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CENTER FOR HEALTH, INTERVENTION, AND PREVENTION
Annual Report July 1, 2009 – June 30, 2010

A. Executive Summary.....	3
B. Introduction	5
C. Mission Statement	5
D. Long-Term Goals for Center for Health, Intervention, and Prevention (CHIP).....	5
E. Progress on CHIP Objectives for FY10.....	5
F. CHIP Objectives for FY11	15
G. CHIP Executive Committee	17
H. CHIP Multidisciplinary Affiliates Collaborative Network	18
I. Results of 2010 CHIP Affiliates Survey.....	20
J. CHIP Health Domains.....	22
K. CHIP Research Investment Capital Competitions	25
L. New Externally-Funded Research Initiatives by CHIP Principal Investigators	26
M. Active CHIP Research Grants (as of May 15, 2010)	27
N. Submitted CHIP Grant Applications (as of May 15, 2010).....	30
O. Dissemination of CHIP Interventions.....	30
P. Selected Current CHIP PI Publications and Presentations	31
Q. CHIP Graduate Student Highlights, Research Achievements, Publications, Presentations and Grant Awards	31
R. CHIP Post-Doctoral Investigators.....	33
S. CHIP Administration.....	33
T. Ongoing Technology Initiatives.....	34
U. New Website Design and Capabilities	36
V. CHIP Physical Facility Update.....	36
W. CHIP Advanced Interactive Technology Center (AITC)	37
X. Center for Health Communication and Marketing (CHCM)	38
Y. CHIP Community Involvement.....	38
APPENDIX 1: New Externally-Funded Research Initiatives by CHIP PIs.....	41
APPENDIX 2: New CHIP Grants Awarded FY10 (July 1, 2009 – May 15, 2010)	44
APPENDIX 3: CHIP Lecture Series 2009-10	46
APPENDIX 4: CICATS PORT CORE	48
APPENDIX 5: CHIP Principal Investigators and Research Affiliates.....	49
APPENDIX 6: CHIP Business Office Functions and Responsibilities.....	58
APPENDIX 7: Announcement of Grant Development Opportunities for CHIP PIs	60
APPENDIX 8: Announcement of CHIP Seed Grant Competition for New Investigators	62
APPENDIX 9: Announcement of Pilot Project Support for CHIP Graduate Students	64
APPENDIX 10: Announcement of CHIP Grant Development Stipends.....	66
APPENDIX 11: Announcement for CHIP Conference Development Grant.....	67
APPENDIX 12: Announcement of Reviews to Help with Grant Development.....	68
APPENDIX 13: CHIP Active and Awarded Grants (July 1, 2009 – May 15, 2010)	69
APPENDIX 14: Center for Health Communication Marketing (CHCM).....	75
APPENDIX 15: CHIP's Advanced Interactive Technology Center (AITC).....	83
APPENDIX 16: CHIP Submitted Grants (July 1, 2009 - May 15, 2010).....	85
APPENDIX 17: Selected FY10 Scholarly Publications and Presentations by CHIP PIs	90
APPENDIX 18: Selected CHIP Graduate Student Research Projects, Publications, Presentations, and Achievements.....	109
APPENDIX 19: CHIP FY10 Organizational Chart*	115

A. Executive Summary

- **Expanded Research Enterprise:** During FY10, CHIP principal investigators launched new U.S. and international interdisciplinary research initiatives in numerous health behavior change domains. In the context of HIV, newly funded initiatives focused on antiretroviral (ARV) medication adherence, HIV prevention for South African high school students, HIV prevention for HIV-positive soldiers in Mozambique, dual protection (prevention of pregnancy and sexually transmitted infections) for HIV-positive individuals in India, and working to improve the treatment of missing data in HIV prevention trials. In other critical health domains, newly-funded initiatives included the use of robotics in interventions for children with autism, an obesity prevention intervention targeting preschool-aged African American and Latino children, a study of cultural factors involved in health disparities for adolescent girls, and an examination of the role food advertisements and public service announcements play in child and teen eating habits and weight gain. Of particular note, again this year, a significant external grant grew from an internal CHIP seed grant and CHIP mentoring. In FY08, Ofer Harel, an assistant professor of Statistics, received a CHIP summer stipend to write a grant proposal for a National Institute of Mental Health (NIMH) K Award, which is a career development award. During FY10, NIMH awarded Dr. Harel the prestigious grant, focused on improving the handling of missing data in HIV prevention research trials. CHIP Principal Investigator Seth Kalichman (Psychology) is serving as Dr. Harel's mentor and co-investigator on the grant. These new grants complement CHIP's considerable, existing, broad-based health behavior change initiatives.
- **Multidisciplinary Affiliates Collaborative Network:** In FY10, new health behavior change researchers joined CHIP's multidisciplinary affiliates collaborative network, bringing its total membership to 126 research affiliates, even as CHIP reviewed all of its members to ensure that they still meet its membership criteria. The resulting community of multidisciplinary expertise, representing nearly all Schools and Colleges within the UConn system as well as 30 other institutions, enables CHIP to assemble teams of investigators able to respond within short timeframes to large-scale research funding opportunities. This year, nearly 80 percent of new externally-funded grants were multidisciplinary collaborations involving members of this network.
- **International Research:** CHIP research continues to become more international in scope, with submitted and active externally-funded projects in Afghanistan, Ethiopia, India, Malaysia, Mozambique, Russia, South Africa, and Uganda. In fact, more than 40 percent of currently active CHIP grants involve work in other countries. CHIP's research portfolio in Africa is especially large, comprising approximately \$16.9 million in active grants across all years.
- **Growth in Externally Funded Research:** In FY10, CHIP again had extraordinary success in attracting external funding for its research. Actual total costs expended on CHIP external grants were \$9.1 million including \$7.2 million in direct costs, and \$1.9 million in recovered indirect costs.¹ The total costs of CHIP grants that are currently active involve \$43.7 million, across all years. Moreover, total costs awarded to CHIP PIs since CHIP's founding in FY02 equal \$66.9 million, direct costs equal \$52.0 million, and indirect costs returned to the University during this interval equal \$14.9 million. In FY10 alone, CHIP PIs received *new*, multiple-year grant awards in excess of \$5.6 million.
- **Grants Submitted:** In FY10, CHIP PIs submitted 49 external grant applications comprising more than \$19.5 million in total costs, \$14.8 million in direct costs, and \$4.7 million in indirect costs.
- **CHIP Funding of Graduate Students:** Grants received by CHIP PIs fund a substantial number of graduate students. During academic year FY10, CHIP external grants funded 35 graduate students (most full-time) across multiple departments while internal University awards funded 3 additional graduate students. Total academic year funding for graduate students from CHIP grants in FY10 was \$386,947. When summer funding from CHIP grants is added, CHIP's total FY10 support for 53 graduate students was \$484,922.
- **CHIP Research Investment Awards:** Each year, CHIP holds internal research funding competitions to stimulate pilot research leading to future external grant applications to be submitted through the Center. CHIP research investment funds are awarded through a rigorous National Institute of Health (NIH)-style panel review process. In FY10, CHIP awarded

¹ Indirect costs (IDCs) are synonymous with "Facilities and Administrative" costs or F&As.

seed grants to CHIP Principal Investigators Deborah McDonald (Nursing) and Crystal Park (Psychology) and to graduate students Garrett Ash (Kinesiology), Laramie Smith (Psychology), and Valerie Earnshaw (Psychology). In addition, during FY10, CHIP Principal Investigator Ofer Harel (Statistics) was awarded a CHIP conference development grant that helped enable Dr. Harel to organize a mini-conference of the Connecticut chapter of the American Statistics Association on handling missing data, held at the University of Connecticut in March 2010. Over the years, for each dollar invested by CHIP in its seed grant program, a return on investment of about \$47 dollars in directly related future external grant funds has been achieved by the Center.

- **Development of CICATS Practice-Oriented Research Translation (PORT) Core:** A major current University focus is the development and funding of the Connecticut Institute for Clinical and Translational Science (CICATS). During FY10, CHIP continued to collaborate with several other UConn/UHC centers and institutes to develop the CICATS Practice-Oriented Research Translation (PORT) Core. As part of this work, CHIP has been involved in the creation, development, and actualization of strategies to enhance the translation, dissemination, and implementation of UConn-developed, health-focused innovations and interventions. A database of over 1,100 research projects was compiled at the Center and is being used to identify UConn-designed, health-focused innovations and interventions that may be available for dissemination. In addition, a “Dissemination and Implementation” section was added to the new CHIP website in order to provide updated, user-friendly information to facilitate the adoption of CHIP-based health behavior change interventions. An additional key feature of CHIP’s involvement in the CICATS has been the development of a pilot project to disseminate CHIP’s *Options* intervention to minority healthcare providers in the Northeast U.S. in collaboration with the W. Montague Cobb Institute of the National Medical Association (NMA). Following successful completion of the pilot project, the partners will seek additional grant funding for a nationwide roll-out of *Options* to the NMA’s full membership.
- **CHIP Ongoing Technology Initiatives:** During FY10, information technology for health behavior and health behavior change research at CHIP was pursued with great potential to enhance multidisciplinary research development among CHIP investigators and to attract substantial external research funds. Recent innovations support the sophisticated use of visual media and information technology in health behavior change research; further webcasting and videoconferencing capability at CHIP to enhance health behavior change research development and dissemination; expand the development of electronic questionnaire, web-based survey, and interactive voice response data collection capabilities; expand the CHIP digital archive; and involve the deployment of new server virtualization technologies. CHIP’s IT team also managed the redesign of CHIP’s website, which now features a more user-friendly interface for site navigation, increased dynamic news content about CHIP researchers and their projects, and “Share It” links to social networking sites, among other items.
- **CHIP Advanced Interactive Technology Center (AITC):** Formerly called the CHIP Virtual Reality (VR) Lab, the CHIP AITC grew out of a recent five-year NIH grant to CHIP Principal Investigator Kerry Marsh (Psychology) to use virtual reality to study sexual risk behavior. During FY10, the CHIP AITC, which features hardware, software, and personnel to produce and support interactive and virtual research, won University approval to become a fee-for-service center available to all UConn researchers. The Center offers services in animation, motion capture, interactive simulations, web-based interactives, VR and other types of advanced interactive technology. The CHIP AITC is a valuable resource for the entire University because it provides researchers access to these technologies without the steep learning curve and costs typically associated with them. The AITC has several initial clients and use of the Center has been proposed in new grant applications by CHIP affiliates.
- **CHIP Lecture Series:** CHIP continues to sponsor an impressive series of lectures and events that brought 18 nationally and internationally recognized leaders in health behavior research from 13 different institutions to the University of Connecticut campus in FY10. These speakers presented on a diverse range of research areas, including sexual health and the Internet, therapeutic robots and clinical applications to autism, community interventions for health promotion, high risk behaviors among youth, social network approaches to HIV prevention, and translation and dissemination of effective interventions, among many others. Many presentations were simulcast to the UConn Health Center and the Center for Interdisciplinary Research on AIDS (CIRA) at Yale University, as well as to other sites. In addition to attending the presentations, CHIP PIs, graduate students, and other affiliates were given the opportunity to meet with each presenter one-on-one, as a group, or by telephone, to discuss research interests and possible collaborations. These visits and talks inform and strengthen CHIP research endeavors.

B. Introduction

In November of 2001, the Chancellor and Provost, and the Interim Vice Provost for Research of the University of Connecticut identified the now Center for Health, Intervention, and Prevention as a potential center of excellence at the University. At that time, the University invested startup funds in the Center to begin to position it as a national and international leader in health behavior change research. Since then, with continued University support, CHIP has achieved impressive growth and structural change as a multidisciplinary research center. In November 2007, the University Board of Trustees designated CHIP as one of very few Major University Research Centers.

This report summarizes CHIP's actions and accomplishments for the past year, supporting the Center's continued scholarly excellence, growth, and further international recognition.

C. Mission Statement

The CHIP Executive Committee revised the CHIP mission statement and long-range goals in FY08, and then reviewed them again in FY09 and decided that no additional changes were needed. They are presented below and on the CHIP website.

Mission Statement: The University of Connecticut's Center for Health, Intervention, and Prevention (CHIP) creates new scientific knowledge and theoretical frameworks in the areas of health behavior, health behavior change, health intervention, and prevention. CHIP disseminates theory-based knowledge and new cutting-edge interventions through research, capacity-building, teaching, mentoring, and collaboration at the university, local, state, national, and international levels.

D. Long-Term Goals for Center for Health, Intervention, and Prevention (CHIP)

Goal 1: CHIP will *provide an interdisciplinary nexus for investigators* across the University of Connecticut to stimulate multidisciplinary collaborations and major new funded research initiatives in health behavior, health behavior change, health intervention, prevention, and other areas involving health behavior change theory and methods.

Goal 2: CHIP will *undertake research* to create new scientific knowledge, theoretical frameworks, and methodological advances in the areas of health behavior, health behavior change, health intervention, and prevention. This work will focus on understanding the dynamics of health behavior, the science of health behavior change, and the science and practice of developing and disseminating effective interventions to the institutions charged with delivering them.

Goal 3: CHIP will *share its expertise* in health behavior and health behavior change, capacity building, and technology with local, state, national, and international agencies and organizations performing health behavior change interventions.

Goal 4: CHIP researchers will *educate and mentor* undergraduate students, graduate students, researchers, and faculty in health behavior change theory, the science of health behavior change, and the science and practice of developing and disseminating effective interventions, in order to develop them into skilled researchers and scholars.

E. Progress on CHIP Objectives for FY10

In the past year, CHIP continued to perform extraordinarily well in meeting the long-term goals that comprise its mission (see above), as well as the short-term objectives that it established for this period. These objectives, and the progress made toward them, are summarized below:

Progress on Research Objectives:

1. Through our CHIP internal grants programs, mentoring, and technical support to PIs, we will continue to support the development of new, high quality, innovative, and timely proposals for externally-funded research through CHIP by individual researchers and teams.

CHIP supports new research and external grant proposals in several ways. It provides an excellent internal grants program, which supports the pilot research often necessary for its PIs to obtain large external grants. Internal grant proposals receive mentoring reviews, which often improve the research that was proposed, and the strongest proposals are funded. The CHIP internal grants program has often been a critical part of CHIP PIs' success in winning external grants. According to many CHIP PIs who have received substantial external grants, the grants would not have been possible without seed grant support awarded competitively through CHIP. In fact, over the years, for each dollar invested by CHIP in its seed grant program, about \$47 dollars in external grant funds have come back to UConn. *(See Section K on pages 25-26 for more information about CHIP's internal grant opportunities.)*

In addition to CHIP's internal grants program, the Center also provides pre-submission reviews of external grants, and a competitive summer stipend to junior faculty who are writing grants to help them succeed in obtaining funding. Ofer Harel of Statistics received a CHIP stipend last summer to write a K award (a prestigious career-development award funded through NIH), and his K award was recently funded by NIMH. A relatively new CHIP service available to affiliates is access to previously submitted, successful CHIP grants to use as models for new grant proposals. Access to model grants is through CHIP's file server and is provided upon request.

Due to these services and others, CHIP PIs, again this year, developed, submitted and received external funding for a substantial number of new grant proposals in diverse areas of health behavior change. In each case, the grant application and grant award process was facilitated by high quality pre-award services and post-award grants management technical support provided by the Center. These services were augmented by help in searching for possible sources of grant support, assistance with creating research teams to write and submit grants, sending prospective grant applications out for internal or external review to major experts in the field for pre-submission feedback, and sending them to statistical and methodological experts for feedback. Together, these innovative programs at the Center resulted in \$5.6 million in new externally-funded grants being awarded in the past year. *(See Appendix 1 on pages 41-43, and Appendix 2 on pages 44-45 for more information about new externally-funded CHIP grants.)*

2. CHIP will continue to be a worldwide leader and to foster new multidisciplinary work in the core problem area of HIV/AIDS.

CHIP received or was notified of the receipt of a number of new HIV/AIDS prevention grants during FY10, continuing its role as a world leader in this domain. At present, CHIP's active portfolio of HIV/AIDS prevention grants exceeds \$35 million in total costs.

Seth Kalichman (Psychology) received a new grant from the National Institute on Alcohol Abuse and Alcoholism (NIAAA) that focuses on the impact of alcohol beliefs on adherence to antiretroviral medications. Specifically, the grant assesses how beliefs that alcohol and antiretroviral medications should not be mixed may affect adherence to these medications.

CHIP Associate Director Deborah Cornman received three new HIV-related grants during the past year, including funding from the U.S. Department of Defense to develop a theoretically-based HIV prevention intervention for HIV-positive soldiers and their families in Mozambique. Dr. Cornman is working closely with physicians and other healthcare staff in Mozambique on the development and evaluation of this important intervention. This "prevention-with-positives" intervention is related to other work on the Options Project that is being conducted by CHIP researchers in several African countries.

Another new grant on which Dr. Cornman is PI involves the collaboration of CHIP team members Rivet Amico, Paul Shuper, Laramie Smith, Jeffrey Fisher, and William Fisher with physicians, epidemiologists, and others from the Centre for the AIDS Programme of Research in South Africa (CAPRISA). CAPRISA is a major HIV research center at Nelson Mandela School of Medicine in Durban, South Africa, and it is partnering with CHIP on a number of HIV prevention projects. One of the major studies on which this team is working is an HIV prevention intervention for South African high school students. The intervention involves the use of financial incentives to promote several activities that could result in HIV risk reduction and increased HIV testing.

Dr. Cornman is one of two PIs (Dr. Trace Kershaw from Yale is the other PI) on a grant from the National Institute of Mental Health (NIMH) for a randomized controlled trial to enhance dual protection (prevention of pregnancy and sexual transmitted infections) among people living with HIV/AIDS in India.

In the past year, CHIP PI Rivet Amico received a subcontract for her participation in NIMH/National Institute of Allergy and Infectious Diseases (NIAID)-funded research on the behavioral aspects of Pre-Exposure Prophylaxis (PrEP) counseling for intermittent exposure. Dr. Amico is serving as a lead behavioral scientist on the project with responsibility for grounding the explanatory models of adherence, the counseling approach, and the implementation, measurement, and monitoring of the behavioral outcomes. Interdisciplinary collaborators on this project include clinical care physicians, virologists, public health professionals, and others.

As referenced earlier, Dr. Ofer Harel of the UConn Department of Statistics received a K award from NIMH to assess and improve the handling of missing data in HIV prevention trials. His mentor and collaborator is Dr. Seth Kalichman of the UConn Psychology department. *(See Appendix 1 on pages 41-43 for brief abstracts of these new grants, and Appendix 2 on pages 44-45 for each grant's funding agency, total costs, direct costs, and indirect costs.)*

In addition to these newly funded efforts, \$6.8 million of the \$19.5 million in CHIP grants that were submitted during the last year involved multidisciplinary work in the HIV/AIDS domain.

3. CHIP will continue to deepen its focus on health behavior change in an array of critical health domains.

In the past year, CHIP expanded its focus into several new health domains. For example, Anjana Bhat (Physical Therapy/Kinesiology) received an NIMH grant on the therapeutic effects of robot-child interactions on children with autism. The study is exploring several possible health-related and other benefits of this intervention. Her collaborators include co-investigator Timothy Gifford (the Director of CHIP's Advanced Interactive Technology Center), as well as Deborah Fein (Psychology) and Kerry Marsh (Psychology).

Stephanie Milan (Psychology) received a grant from NIH/NICHD to help understand the cultural context of health disparities in adolescent girls. Stephanie's collaborators are other faculty in Psychology, as well as individuals in Human Development and Family Studies, and Social Services.

Linda Pescatello (Kinesiology) received three new grants and sub-grants in the past year. She obtained a subgrant from NIH/NIAA/UCHC entitled, "Motivational Interventions for Exercise in Hazardous Drinking College Students," which is investigating exercise and contingency management as interventions to reduce hazardous drinking among college students. A second sub-grant, from NIH/NHLBI/UCHC involves the use of contingency management to promote weight loss in university students. In addition, Dr. Pescatello received a third sub-grant from NIH/NIDA/UCHC to evaluate a contingency management intervention that reinforces participation in low intensity physical activity among active cocaine substance abusers. Dr. Pescatello's collaborators include individuals from Psychiatry, Clinical Psychology, Physiology, and Medicine.

Leslie Snyder (Communication Sciences) received a grant from NIH/NCI to study the impact of food ads and public service announcements on child and teen eating and obesity across media markets. Her collaborator is in the Statistics department.

Amy Gorin (Psychology) received a sub-grant from the Aetna Foundation/Connecticut Children's Medical Center to study the pediatrician's role in preventing childhood obesity. Her collaborator and the grant's PI is CHIP Affiliate Michelle Cloutier, who is a physician.

Finally, Jeff Volek (Kinesiology) was funded by a large private corporation for product-testing research using a proprietary carbohydrate counting system. In addition, Dr. Volek was awarded another grant from a large private corporation to explore the effect of a hydrolized whey protein fraction on vascular function in overweight older men and women.

CHIP continues to expand its work in other health domains as well.

(See Appendix 1 on pages 41-43 for brief abstracts of these new grants, and Appendix 2 on pages 44-45 for each grant's funding agency, total costs, direct costs, and indirect costs.)

4. CHIP will continue to bring local, national, and international researchers together on an ongoing basis from a wide range of health and social science disciplines for lectures, events, and meetings at CHIP to promote cutting-edge, multidisciplinary exchange.

Since 2002, CHIP has organized a highly successful lecture series for the purpose of identifying and bringing together local, national, and international researchers from diverse academic fields with interests in health behavior change and health behavior change intervention research. The *CHIP Lecture Series* provides a forum for CHIP investigators, affiliates, and research staff to hear presentations about new work in development by leading figures in health behavior change research and intervention, and to become familiar with work conducted and published by others within the CHIP network. The series is well attended and is an invaluable context for sharing late-breaking findings and trends in health behavior research.

With support from an educational grant from Boehringer-Ingelheim Pharmaceuticals, Inc., CHIP continued to sponsor the *CHIP Lecture Series* in FY10, bringing 18 nationally- and internationally-recognized leaders in health behavior research from 13 different institutions to CHIP for presentations. These speakers presented on a diverse range of research areas, including weight loss and obesity, sexual health and the Internet, therapeutic robots and clinical applications to autism, community approaches to health promotion, social network approaches to HIV prevention, and translation and dissemination of effective interventions, among many others. Many presentations were simulcast from CHIP to the UConn Health Center and the Center for Interdisciplinary Research on AIDS (CIRA) at Yale University, as well as to other sites. CHIP Lectures were also available via live webcast to up to 200 individuals around the world, who could view them on their PCs. This virtual inclusion of additional colleagues at each presentation greatly enhanced the value and profile of the *Lecture Series* for the University. In addition to attending the presentations, PIs, graduate students, and other affiliates were given the opportunity to meet with each presenter one-on-one, as a group, or by telephone, to discuss research interests and possible collaborations. There were 86 different meetings with presenters this past year and an average "onsite" lecture participation rate at the Center of 28 people.

The *CHIP Lecture Series* is planned and publicized by CHIP administrative staff. Publicity for the events includes posting the series on the CHIP website, sending out announcements through various listservs, and publishing the information on the University Events website and at other venues. To cast as wide a net as possible for persons interested in CHIP's lectures, e-mail announcements are sent to current affiliates, prospective affiliates, and members of other research institutions, hospitals, health clinics, and community-based organizations in Connecticut. For those who respond by phone or e-mail to the announcements and/or who attend the lectures in person, CHIP follows up with additional communications, including invitations to future events and meetings, so that CHIP members can connect with interested individuals to explore the potential for research collaboration. A number of new affiliates and contacts have been identified through this process.

(For a list of "CHIP Lecture Series" presentations made during the current reporting year, see Appendix 3 on pages 46-47.)

5. CHIP will expand its technology capacity and capitalize on new technology innovations to efficiently link CHIP affiliates with resources at CHIP and to connect CHIP investigators with colleagues across the State of Connecticut and throughout the world for research collaboration in health behavior change.

CHIP leverages advances in information technology to connect CHIP researchers with their colleagues and to extend the reach of its technology resources locally, nationally, and worldwide. In FY10, CHIP repositioned its website with a media-centric focus, informing affiliates and interested individuals of the research activities that are being undertaken by CHIP members. A new content area, focusing on *Dissemination and Implementation* of CHIP interventions and research materials, has been added to the website to facilitate CHIP's long-range goal of increasing dissemination and implementation of its work. In addition, stories about CHIP researchers and their

work are now highlighted in a featured section, *CHIP Today*. CHIP has continued to extend its online presence with social networking vehicles; Facebook and Twitter supplement the CHIP website and feature CHIP research, news, and announcements.

Another way that CHIP has been connecting affiliates with one another and with other organizations is through the use of the Tandberg videoconferencing system to broadcast meetings in real time. Participants can interact with one another almost as if they are in the same conference room. In FY10, this technology was extended with the Sonic Foundry Mediasite platform to deliver professional webcasts of the *CHIP Lecture Series* (18 presentations at CHIP by national and international experts with a health behavior focus) to a much broader audience. These webcasts allow viewers to see the speaker and the PowerPoint slides in real time. CHIP lectures are cataloged following the event, available on-demand via the CHIP website, allowing people to view the lectures at their convenience. CHIP maintains an extensive archive of past lectures with accompanying PowerPoint slides and online podcasts available on the CHIP website and Apple iTunes store. (See Appendix 3 on pages 46-47 for “CHIP Lecture Series” topics and speakers during FY10.)

Because a great deal of research is now being conducted internationally, it has been critical to find cost-effective ways to maintain communication among research team members. Voice over Internet Protocol (VOIP) technologies are one of the ways that this has been accomplished at CHIP. Skype is the VOIP technology predominantly used because of its popularity, free Skype-to-Skype calls, and low rates for calls to local, national, and international landline and mobile telephones. In addition, CHIP has recently employed Microsoft Live Meeting to conduct virtual meetings, share presentations and workspaces, and conduct audio/video conferencing. This highly innovative technology allows CHIP researchers to collaborate with affiliates and colleagues locally, nationally, and internationally, breaking down traditional communication barriers.

6. CHIP will expand its work to improve translation and dissemination of behavior change research into clinical and community practice in the U.S. and internationally. Substantial future work in this domain will be done in conjunction with the UConn Clinical and Translational Research Institute.

This year, CHIP performed new work to expand and improve the dissemination of behavior change interventions into clinical and community practice. In this context, the Center continued to further its role in the PORT (Practice-Oriented Research Translation) Core of the Connecticut Institute for Clinical and Translational Science (CICATS), which will widely disseminate evidence-based, health-related interventions and innovations developed at the University. As part of this effort, Jeffrey Fisher (Psychology) received funding to disseminate one of his HIV prevention interventions to minority health care providers, who will implement it with their patients in the northeastern U.S. This project is being conducted in collaboration with the National Medical Association (NMA), a professional association of over 35,000 African American physicians. CHIP also recently created a database of effective health promotion interventions developed at UConn, many by CHIP PIs, which are ready for dissemination. Future efforts will involve working toward the widespread dissemination and implementation of some of these interventions. (For more information about CICATS, see Appendix 4 on page 48.)

This year, as in the past, several externally-funded health behavior change interventions developed at CHIP have been disseminated to public health agencies and other entities. Among others, two of Seth Kalichman’s evidence-based interventions, *Healthy Relationships*, and *NIA: A Program of Purpose*, have been widely disseminated in the U.S. and internationally, as has Bob Broadhead’s *Peer Driven Intervention for Injection Drug Users*. In addition, the *Options HIV Prevention Intervention for People Living with HIV*, developed at CHIP by Jeffrey Fisher and his colleagues with over \$10 million in NIMH funding, has been disseminated within the U.S. and within several countries in Africa. Other interventions developed at the Center have also been widely disseminated, and several CHIP interventions have been selected by the U.S. Centers for Disease Control as model evidence-based interventions worthy of CDC support for widespread dissemination within the U.S.

Dissemination of CHIP research and interventions has also occurred through capacity-building, teaching, and mentoring activities. CHIP affiliate scientists provide trainings for public health officials and public health workers in interventions developed at the Center all over the world, and teach and mentor undergraduates,

graduate students, and post doctorate students about their research and intervention work. CHIP interventions are also disseminated through the Center's new website. (For a more extensive discussion, see the section entitled, "Dissemination of CHIP Interventions" on pages 30-31.)

7. CHIP will publicize its activities and its research.

In recognition of the emphasis the University's academic plan places on public engagement, specifically its strategy of increasing the visibility and accessibility of faculty expertise, CHIP researchers have worked with local, state, and national print and broadcast media to share their research and areas of expertise with as broad an audience as possible. CHIP regularly facilitates these contacts in a number of different ways.

CHIP Principal Investigator **Anjana Bhat**, an assistant professor of Physical Therapy/Kinesiology, and **Timothy Gifford**, director of the CHIP Advanced Interactive Technology Center (AITC), were interviewed by a *New York Times* reporter about their new federal grant to use robotics to help children with autism make strides with physical development, specifically their gross motor skills, as well as with their communication and social skills. The reporter visited Dr. Bhat's lab in mid-April, and interviewed not only Dr. Bhat and Gifford but also the parents of a child participating in the study; as of May 15, the article had not yet been published. In May 2010, this work also was featured in *Psychiatric News*, the newsletter of the American Psychiatric Association.

CHIP Principal Investigator **Jeff Volek**, an associate professor of Kinesiology, recently co-authored *The New Atkins for a New You*, which translates the latest scientific evidence supporting low-carbohydrate diets into layman's terms, making the information readily accessible to the general public. Also, an interview he gave to *Health Day News*, a health news wire service, about low-carbohydrate vs. traditional food pyramid diets, has appeared on local television stations and their websites across the country.

CHIP Principal Investigator **Blair Johnson**, a professor of Psychology, wrote an op-ed about the importance of safer sex education programs for teenagers, which was published in the *Hartford Courant*. Dr. Johnson supported his position in favor of safer sex education with research results from his Synthesis of HIV/AIDS Research Project (SHARP) at CHIP. Now in its third five-year grant cycle, SHARP is one of the longest-running HIV prevention projects funded by the National Institutes of Mental Health (NIMH).

CHIP Principal Investigator **Amy Gorin**, an assistant professor of Psychology who specializes in understanding social and environmental factors that contribute to the obesity epidemic, had her research findings featured in several prominent national media outlets including *Time* magazine, *USA Today*, and *ABC News* during the past year. Of particular interest to the media were Dr. Gorin's findings that one spouse's participation in a behavioral weight loss program had a ripple effect, positively affecting the untreated spouse.

CHIP Principal Investigator and Psychology professor **Seth Kalichman's** book, *Denying AIDS: Conspiracy Theories, Pseudoscience and Human Tragedy* (2009), continued to garner media attention during the past year. Of particular note, Dr. Kalichman was interviewed about the book for a video that appeared on *Newsweek's* website. The popular press book is the first to offer an American perspective on AIDS denialists and their harmful influence on HIV-positive individuals and some of the countries hardest hit by the HIV/AIDS epidemic.

CHIP Principal Investigator **Kerry Marsh**, an associate professor of Psychology, and **Timothy Gifford**, director of the CHIP AITC, were featured in a front page *Hartford Courant* article about using virtual reality technology to bolster University research efforts in Connecticut and nationally. The article included information about Dr. Marsh's federal grant to conduct virtual reality research into impulsive decision-making and sexual risk behaviors. It also highlighted the capabilities of CHIP's AITC and included front page photos taken in the lab.

Progress on Administrative Objectives:

- 8. In FY10, CHIP will complete the redesign of its website. The redesign is intended to increase the effectiveness of CHIP's website as an internal and external communications and marketing tool, to expand the content that can be showcased on the site's homepage, and to make the site easier for users to navigate and for CHIP staff to update. Once completed, the website will be updated and maintained on an ongoing basis.**

CHIP's new website, designed by outside vendor Creative Services, went live on June 7, 2010. The new website reflects substantial improvements and is designed to be easier to navigate; to provide regularly updated content about CHIP researchers in all disciplines; and to provide easy access to CHIP's live webcasts of our *Lecture Series*, as well as downloadable content. (See Section U on page 36 for more information about the new website design.)

- 9. By June 30 of 2010, CHIP will distribute a regular e-newsletter to keep affiliates and other target audiences apprised of CHIP's latest research news and other developments in a timely manner. The e-newsletter will showcase CHIP research findings, newly funded research projects, and funding opportunities. It also will highlight affiliates' new publications and awards, and introduce new CHIP PIs and affiliates to the community. The e-newsletter will begin as a quarterly publication with the possibility of increasing it to a monthly publication. CHIP's redesigned website will include a section for the latest edition of the e-newsletter as well as an e-newsletter archive and a mechanism for subscribing to the e-newsletter. In addition, the e-newsletter will enhance the redesigned website's effectiveness as a marketing and public relations tool by increasing traffic to the site.**

When CHIP switched vendors for its new website last summer, it made a strategic decision not to launch a new e-newsletter before the completion of its redesigned website, because in order to be an effective tool, the e-newsletter ultimately should direct subscribers back to the CHIP website for additional news content and other information. CHIP's new website launched in early June 2010, and CHIP's dissemination, media, and communications specialist, Beth Krane, currently is working with the CHIP IT team to identify a plug-in software program that is compatible with the content management engine for the new website. The plug-in will automatically generate an e-newsletter from the new website's enhanced news features. The first CHIP e-newsletter will be distributed during the 2010 fall semester and will be distributed twice a year the first year with the goal of increasing its frequency during the second year.

- 10. CHIP will review the findings from a Sustainable Offices audit that was conducted at CHIP in FY09 by the Office of Environmental Policy and make changes to how CHIP functions so that it is more energy efficient and "green-friendly." This audit was requested by CHIP to assess office practices with respect to reducing, reusing, and recycling materials as well as energy efficiency.**

Staff reviewed the findings from the Sustainable Offices audit that was conducted at CHIP in FY09 and made several changes in how CHIP functions. For example, in the last year, CHIP changed many systems from paper to electronic versions, such as the employee hiring and separation routing forms, the affiliate application, a biographical form, the annual space use review form, the emergency contact information form, and a newly created Outlook administration calendar.

In addition, selected lights are now turned off in the lobby and corridors during regular business hours, and fewer lights are left on in the CHIP library when it is not in use.

Future changes for consideration include increased waste reduction in the kitchen (i.e., separation of food waste), purchase of a staff bike for use around campus, encouragement to staff to walk rather than drive to and from campus meetings and events as part of a healthy alternative, encouragement to use scrap paper instead of sticky notes, and the use of electronic holiday cards, whenever appropriate.

- 11. By December of 2009, all of CHIP's operating and business procedures and guidelines will have been reviewed, revised, disseminated to PIs, staff, and students, and posted on the CHIP website. This will include the establishment of new procedures for the use of CHIP conference rooms and interview rooms. All procedures and guidelines will be in accordance with UConn policies, and they will be reviewed on an annual basis and as needed.**

The Administrative Team worked collectively on updating and revising existing guidelines and procedures as well as internal forms in the areas of travel, purchasing, grants management (both pre-award and post-award processing), facilities, and library computer usage. New guidelines and procedures were created for

employment and payroll, electronic signature use (for internal use only), IT support, and interview room/computer usage. Two “CHIP Guidelines and Procedures” manuals were created for general use (i.e., given to new employees to read), and the applicable guidelines and procedures were also posted on the CHIP website. The Administrative Team is now more actively referring PIs, staff, and students to the website to ensure greater cooperation and compliance with CHIP’s guidelines and procedures. All of this work was finalized and completed by February 2010. February 2011 is the next date of review for all guidelines and procedures, but they will also be revised on an as needed basis (two have already been updated and revised as of May 2010). New guidelines and procedures will be continually developed based on operational and business needs.

12. The newly established Travel Safety Committee will finalize guidelines for maximizing the safety of all PIs and staff traveling to and working in international research settings. The guidelines will be published in a designated area on CHIP’s redesigned website.

A great deal of CHIP research occurs in foreign countries for which travel of PIs and staff involves some risk. A new comprehensive “CHIP Travel and Safety Information” plan has been created to assist staff and students in their domestic and international travel associated with their research activities at CHIP. This plan includes information relevant to vaccinations/testing/exposure issues, preventive measures, emergency evacuation information, passport and currency/foreign exchange rates information, and government registry information, along with a “Health and Safety Pre-Departure Checklist” and helpful information relating to personal safety basics. This plan will appear on a new link associated with travel on the newly established CHIP website.

The Attorney General’s Office worked with CHIP to develop an “employee acknowledgement” of potential risk involved in travel that is now used in offer and extension letters for staff that will be traveling for research purposes. Similarly, a “release form” was created for graduate students who will be traveling for research purposes.

The Travel Safety Committee also met with the University’s spokesperson and CHIP’s liaison in University Communications to clarify how to proactively respond to any media inquiries about perceived safety issues involving CHIP researchers, staff, and/or research projects overseas. As a follow-up to this meeting, the Committee began interacting with public relations counterparts at international partner institutions to become familiar with their media practices and protocols.

13. A new Cost Savings Committee will be formalized to identify and recommend cost saving measures that can financially benefit CHIP and the University. Relevant procedures and guidelines will be created based on the Committee’s findings.

The CHIP Cost Savings Committee meets semi-annually to discuss cost saving measures that can financially benefit CHIP and the University. In FY10, the Committee met to compare expenses on the CHIP operating budget from past fiscal years with estimates for the current fiscal year. The Committee noted that because CHIP is moving towards a more electronic, paperless, “greener” workplace, it has been spending less money on paper supplies and mail/postage. CHIP also has decreased photocopier lease costs because the newest machine is more compact and efficient. This past year, the Center also decreased its information technology (IT) spending, including equipment and data processing supplies.

The Committee will look into further cost savings measures concerning telephone expenses. CHIP already encourages the use of Skype as much as possible to avoid toll costs. The Committee plans to identify unused phone lines in the building, if any, that could be eliminated, and it has requested an update on UConn’s plan to evaluate the University-wide cost model for telephone and voice mail services.

14. The CHIP Security Committee will continue to review all procedures for maintaining the security of the physical facility, its occupants, and its data semi-annually and as needed.

The CHIP Security/Data Committee meets annually and as needed to review and assess physical and technical security issues related to CHIP operations. In FY10, the Committee met to discuss several items. A theft of a

flash drive occurred in July of 2009, for which the following measures were taken: office occupants were interviewed, a police report was filed, and an e-mail reminder was sent by the Center to staff about taking precautionary measures to prevent such thefts.

Other measures taken during the year to improve security included increased use of “routing forms” when employees end work at CHIP so that they are immediately removed from the DSX card access system; follow through with the key sign-in and sign-out system; and inclusion of security guidelines in the “CHIP Policies and Procedures” manual, which are posted on the website and periodically emailed to staff.

Encryption of University computers has been temporarily halted by UITS. Currently, about 65 machines at CHIP have been encrypted. In the future, CHIP may pursue a method of internal encryption for those at the Center.

Work to physically secure the server room has been completed. There is now an alarm connected to Public Safety as well as a DSX card reader that provides a record of who goes in and out of the room.

In the coming year, the Committee will monitor and maintain current systems, and pursue an improvement of exterior signage specifically for CHIP through the appropriate University entities.

15. In the Spring of 2010, CHIP will successfully complete the University’s Academic Center/Institute Review Committee process for the Center’s recertification.

CHIP completed and submitted its five-year review report in February of 2010. During the 2010 Spring semester, the Academic/Institute Review Committee conducted an in-depth evaluation of the work of the Center noting substantial strengths, while finding no weaknesses.

The Committee evaluated the Center with specific attention to four key components:

- (1) Center/Institute Mission
- (2) Costs/Resources (space, administrative support, number of faculty)
- (3) Scholarly Productivity and Benefits
- (4) Plans for Future Development.

The review process and determination of a recommendation regarding continuation of the Center was guided by the University’s document entitled, *Establishment and Review of Academic Centers/Institutes at the University of Connecticut*.

The committee noted the following strengths:

- The Center includes highly productive faculty who are nationally and internationally recognized scholars, writing and editing scholarly books, publishing numerous peer-reviewed scholarly articles, making many presentations, and serving in important positions in professional societies.
- The Center’s programs do not duplicate programs offered by other centers, institutes, or departments at the University.
- The Center has a clearly articulated mission and well-developed plans for achieving them.
- The Center has attracted \$66.9 million in external funding from FY02 through FY10, with annual funding increasing from \$1.3 million to \$9.1 million.
- The Committee unanimously recommended that CHIP receive a renewed Center recertification for another five-year period beginning in September of 2010.

Progress on Technology Objectives:

16. Pending the receipt of adequate funding, CHIP will implement a second Storage Area Network (SAN) appliance to supplement its existing SAN appliance, increasing the performance and redundancy of the entire

virtualization infrastructure.

In FY10, the CHIP IT Department completed the Storage Area Network (SAN) implementation with the addition of two large-capacity storage appliances to accommodate increasing storage demands. The CHIP SAN has been positioned to serve as the centralized storage backbone for CHIP's virtualization technologies and a supplement to its existing file services. In addition, the new storage appliances have increased the overall performance, redundancy, and reliability of the Center's SAN infrastructure.

17. CHIP will expand its centralized backup infrastructure with a Storage Area Network (SAN) to provide operational backups, later saved on tape for offsite long-term archive.

The CHIP SAN infrastructure has been positioned as a second tier backup device to supplement CHIP's existing centralized backup system. All data residing on the CHIP file server is mirrored to a volume on the SAN, resulting in a second tier of backups to protect our existing research data and current CHIP projects. In addition to this process, CHIP's centralized backup system performs regular backups to tape, which are then relocated to a secure offsite vault. In FY11, pending receipt of necessary funding, CHIP's centralized backup infrastructure will be completely overhauled, with direct backups to SAN, then to tape for long-term archival purposes, in accordance with state and federal retention guidelines.

18. CHIP will update its virtualization infrastructure to enterprise-level operation. VMware's vMotion technology will allow live virtual machine migration to another host in the cluster for host maintenance and/or hardware upgrades without interrupting service. Should one virtual server exceed the resources available on the host, VMware's Distributed Resource Scheduling (DRS) will redistribute the load amongst the other hosts in the cluster in the background with minimal performance implications during the migration.

In FY10, CHIP upgraded its virtualization technology to enterprise-level functionality with three clustered hosts, leveraging vMotion, Distributed Resource Scheduling (DRS), Distributed Network Switches, and Fault-Tolerance capabilities. Positioning CHIP's Storage Area Network (SAN) as the storage backbone for this infrastructure has afforded the Center the required availability and reliability to continue to expand its infrastructure without increasing demands on power, cooling, and physical space. With the aforementioned technologies, CHIP's clustered virtualization infrastructure can withstand multiple host/network failures and distribute workloads amongst members of the cluster accordingly. Fault-tolerance, a feature of great significance, mirrors virtual machines on multiple hosts within the cluster. When combined, these technologies provide immediate, transparent, failover should CHIP encounter hardware/partial network failure.

19. CHIP will continue to expand its Active Directory to all CHIP workstations and servers for a top-down approach to system management. Group policies will be deployed to secure systems and disable known vulnerabilities. A single username/password will be generated for all CHIP faculty, staff, affiliates, and students to access internal CHIP resources, enforcing homeland security best-practices for password expiration and complexity requirements.

CHIP has continued the migration of its servers and workstations to the Active Directory in FY10. A majority of onsite workstations have been added to the directory, providing centralized management and single sign-on capabilities. CHIP's group policies have been refined to increase security with centralized firewall management. In addition, CHIP's Active Directory has been utilized to deploy the CHIP VPN gateway, providing a single identity across systems. As CHIP moves into FY11, many of its IT objectives will harness the centralized directory to extend new services and streamline user administration and access controls.

20. CHIP will leverage its Active Directory to provide Microsoft Exchange services for CHIP faculty, staff, and graduate students. This service will offer new innovations for collaborating and exchanging data between CHIP investigators and colleagues throughout the world.

Due to other unforeseen demands on IT in FY10, this objective has been moved to FY11. In addition to the deployment of Microsoft Exchange services, all room and equipment scheduling processes will be overhauled and integrated into this service when it is implemented.

21. CHIP will deploy McAfee Endpoint Encryption and Symantec Endpoint Protection to all CHIP workstations and laptops. McAfee's Endpoint Encryption will guard against physical theft with a full-disk encryption, requiring pre-boot authentication. Symantec's Endpoint Protection provides virus, spam, and firewall services, supplementing existing systems to protect the integrity of CHIP's sensitive research data.

McAfee Endpoint Encryption was deployed to workstations and laptops that have been or may be involved in the transmission/reception of University data. However, during deployment of this product, several issues were identified, leading to concerns about the integrity of the system and the protected data. As a result, this project has been put on hold, while alternatives are being investigated. To that end, this objective has been continued to FY11.

Symantec Endpoint Protection has been deployed in a decentralized model to protect workstations and laptops from virus and spyware infections. Over the course of deployment, new products came to market offering enhanced detection capabilities and a reduction in system resources. As technology evolves, so does the need to increase end-user protection from new spyware/virus infections. Microsoft Forefront Security has been identified as a comprehensive solution that will address current and long-term needs and meet CHIP's objectives to centralize management and administration functions.

F. CHIP Objectives for FY11

Research Objectives:

- 1.** Through CHIP's internal grants programs, mentoring, and technical support to PIs, the Center will continue to support the development of new, high quality, innovative, and timely proposals for externally-funded research through CHIP, by individual researchers and teams.
- 2.** CHIP will continue to deepen its focus on health behavior change and to foster new multidisciplinary work in a broad array of critical health domains.
- 3.** CHIP will continue to be a worldwide leader and to foster new multidisciplinary work in the core problem area of HIV/AIDS.
- 4.** CHIP will begin to perform increased research with more direct policy implications.
- 5.** CHIP will continue to bring local, national, and international researchers together on an ongoing basis from a wide range of health and social science disciplines for lectures, events, and meetings at CHIP to promote cutting-edge, multidisciplinary exchange.
- 6.** CHIP will continue to expand its technology capacity and capitalize on new technology innovations, to efficiently link CHIP affiliates with resources at CHIP and to connect CHIP investigators with colleagues across the State of Connecticut and throughout the world for research collaboration in health behavior change.
- 7.** CHIP will continue to expand its work to improve translation and dissemination of behavior change research into clinical and community practice in the U.S. and internationally. Substantial future work in this domain will be done in conjunction with the CICATS.

Administrative Objectives:

- 8.** The Administrative Team will update and revise existing guidelines and procedures annually (February) and on an as needed basis. New guidelines and procedures will be developed to address operational needs and to improve and streamline existing administrative processes. One area that will be improved upon is the

coordination and collaboration among the members of the Administrative Team at the time of award of newly funded grants.

9. The Administrative Team will work collaboratively to clearly delineate who (CHIP affiliates, active PIs, graduate students, staff, etc.) has access to what CHIP services and then to more widely and efficiently disseminate that information to those who can potentially access these services. To help achieve this objective, new PIs will be given the opportunity to formally meet with the Administrative Team to learn about the available services and procedures at CHIP. Specific services and opportunities to be addressed in these ways include:
 - Internal funding opportunities (CHIP “seed” grants)
 - *CHIP Lecture Series*
 - Grant financial management services
 - Administrative services
 - Research-related services
10. The Cost Savings Committee will continue to meet semi-annually to identify and recommend cost-saving measures that can benefit CHIP and the University financially. Relevant procedures and guidelines will be created based on the Committee’s findings.
11. The CHIP Security Committee will continue to review all procedures for maintaining and improving the security of the physical facility, its occupants, and its data semi-annually and as needed.
12. CHIP will continue to publicize its activities and its research not only to scholarly audiences but also to public health and community audiences.

Technology Objectives:

13. Pending receipt of adequate funding, CHIP will overhaul its existing backup systems with a more robust backup-to-disk-tape model, building upon CHIP’s existing storage infrastructure. New systems will increase backup retention periods and allow for offsite vaulting of data for extended periods of time in accordance with state and federal data retention guidelines.
14. CHIP will update all mission critical servers to Windows Server 2008 Release 2 to leverage advanced user-centric features, such as DirectAccess (simplify remote access to internal CHIP systems), BitLocker full-disk encryption, and AppLocker application control (decrease spyware/virus occurrences).
15. CHIP will implement Microsoft Exchange services for CHIP affiliates, faculty, staff, and students. This service will provide new opportunities to increase collaborations with CHIP investigators throughout the world. Microsoft Exchange services will replace existing room and equipment reservations systems with a more comprehensive scheduling/calendaring system.
16. CHIP will deploy centralized encryption and endpoint protection technologies, consistent with University standards and industry best practices. New systems will be built upon CHIP’s Active Directory and virtualization infrastructure to facilitate rapid deployment and ease of management/administration.
17. CHIP will create and deploy a Windows 7-based workstation image to all CHIP Administrative Team workstations. Ongoing efforts will be made to deploy Windows 7 to all CHIP workstations and laptops during FY11.
18. CHIP will continue to expand its Active Directory to all workstations, laptops, and servers, harnessing centralized management and single sign-on capabilities. Group policies will be refined to increase overall workstation/laptop security and enhance usability with streamlined Windows configurations and optimizations.
19. CHIP will leverage its Active Directory infrastructure to introduce Office Communications Server. This service will unify communications to increase collaborations via instant messaging, group chat, and audio/video/web conferencing capabilities. Integrating tightly with Microsoft’s Office productivity suite, this service offers new

opportunities to share documents, presentations, spreadsheets, and other desktop applications with CHIP investigators, whether located nationally or internationally.

G. CHIP Executive Committee

In 2009-10, the CHIP Executive Committee consisted of nine members:

CHIP Director

Jeffrey Fisher (Psychology)

CHIP Associate Director

Deborah Cornman (CHIP)

CHIP Affiliates

Michael Copenhaver (Allied Health Sciences)

Pamela Erickson (Anthropology)

Amy Gorin (Psychology)

Blair Johnson (Psychology)

Kerry Marsh (Psychology)

Linda Pescatello (Kinesiology)

Leslie Snyder (Communication Sciences)

The CHIP Executive Committee serves in an advisory capacity to the Center Director and Associate Director, making recommendations to enhance the scientific vision of the Center, to help define Center goals, and to monitor progress toward attaining its goals, as well as providing input on the allocation of Center resources. Furthermore, the Executive Committee monitors and provides feedback on CHIP operations, including grants management, administrative services, CHIP budget expenditures, areas of research, funding of pilot research, and fostering collaborations with other departments, institutions, and the community. The Executive Committee's feedback plays a critical role in the decisions that are made about CHIP, its goals, and its functioning.

During FY10, the Executive Committee was co-chaired by CHIP's Associate Director, Deborah Cornman, and by Blair Johnson, who was elected by Executive Committee members.

Update on Executive Committee Activities in 2009-10

The Executive Committee held two meetings in FY10. At each meeting, the Committee was provided with updates on CHIP's operating budget, grant submissions, newly funded grant proposals, grants management services, IT services, statistical support services, physical facility issues, and CHIP internal grant competitions. Any operational problems were discussed and suggestions for improvements were agreed upon. In addition, the Executive Committee reviewed the CHIP research objectives for 2010-11 and proposed revisions, described on page 15. Numerous actions were taken based on feedback provided by the Committee, such as:

1) IT Improvements

- A second full-time IT person was hired to provide redundancy in the IT department, ensuring consistent, quality IT coverage in the event that IT Director Jonathan Gill is unavailable.
- A Help Ticket System was instituted to better structure, organize, and track the provision of IT services.
- A database was created of all software being used by CHIP PIs, staff, and other affiliates, and the individuals who are using them. This allows people to find out about various software programs, their capabilities, and how useful they are. It also permits cost efficiencies in purchasing software.
- Microsoft Live Meeting software has been purchased, which allows users in different locations to work in a web-based collaborative environment. This software permits people in different locations to engage in web conferencing, hold virtual meetings, and work collaboratively and simultaneously on documents.

2) Marketing of CHIP Services:

- As a result of Executive Committee input, CHIP is focused on developing strategies to more effectively market and disseminate information about CHIP services. The Executive Committee agreed that it was important to (a) increase affiliate awareness of the extensive grant and administrative support services that are available to them which can prevent grant-related problems from occurring, (b) encourage more affiliates to apply for seed grant funding, and (c) ensure involvement of CHIP affiliates from a greater range of disciplines in the planning of the *CHIP Lecture Series* to increase even more the diversity of research areas presented during the *Series*.

H. CHIP Multidisciplinary Affiliates Collaborative Network

In FY10, CHIP's multidisciplinary affiliates collaborative network of PhDs and others with research interests in health behavior and health behavior change added new affiliates, bringing its total membership to 126 research affiliates. To ensure that every one of its affiliates still qualified for membership, CHIP reviewed all of its members this past year, and several members who no longer met the criteria were removed from membership.

CHIP has continued its efforts to expand multidisciplinary collaborations with appropriate members of relevant UConn schools, departments, and centers, considering new requests for affiliation from individuals whose research interests are consistent with CHIP's mission. In the past year, there has been increasing involvement, which has led to new grant applications and/or funded grants, with members of several UConn-Storrs departments, as well as individuals and groups at the University of Connecticut Health Center and others.

In summary, as in previous years, CHIP continues to add affiliates from throughout the University of Connecticut system and beyond who conduct research in the areas of health behavior, health risk dynamics, and health behavior change, with the long-term goal of continually enhancing its research network and promoting the University as a premier institution of health behavior and health intervention research.

(See Appendix 5 on pages 49-57 for a list of CHIP principal investigators and research affiliates.)

CHIP Affiliation and Benefits

Potential CHIP affiliates are identified through new and existing research collaborations, through direct communications between CHIP and other UConn departments and centers, and through the *CHIP Lecture Series* and other CHIP functions. Faculty with health-related research interests who express interest in CHIP are sent a formal invitation to affiliate. The benefits of being a CHIP affiliate are many, and as the Center continues to grow, CHIP services to its affiliates are reviewed and enhanced. Several services of note include providing CHIP affiliates with pre-submission funding for statistical, methodological, and content review of external grant proposals; the *CHIP Lecture Series* that showcases leading scholars from diverse fields of health research; internal grant searching and application assistance; extensive pre- and post-award support; and competitive pilot funding for developing research projects/interventions that will increase the likelihood of affiliates securing external grant funds in the future.

(See Appendix 6 on pages 58-59 for a list of services provided by CHIP and the administrative staff members responsible for each service.)

Selected New Multidisciplinary Affiliates Research Collaborations

CHIP's efforts to enhance multidisciplinary collaboration resulted in several new partnerships formed or furthered during FY10. In fact, in FY10, almost 80% of new CHIP grants involved multidisciplinary collaborations, often within the affiliates' network. The projects described below involve multidisciplinary collaborative grants recently funded or newly submitted.

1. **Exercise and Contingency Management as Interventions for Obesity and Alcohol and Drug Use:** CHIP Principal Investigator Linda Pescatello, a professor of Kinesiology, is collaborating with CHIP affiliates from the UConn

Health Center on three new grants. Dr. Pescatello is working with CHIP Affiliate Dr. Jeremiah Weinstock (grant PI, Psychiatry) to design an intervention that uses exercise, contingency management, and Motivational Interviewing to help college students curb hazardous drinking behavior. She and CHIP Affiliate Dr. Danielle Barry (grant PI, UCHC Psychology) are using contingency management and a healthy lifestyle behavioral intervention that provides tangible rewards for positive behaviors, to intervene with overweight and obese college students. Finally, Dr. Pescatello and CHIP Affiliate Dr. Nancy Petry (grant PI, UCHC Psychiatry) are designing an intervention that uses contingency management to reinforce positive exercise habits in cocaine users, as their pilot data suggests exercise improves drug abuse treatment outcomes.

2. **Robot-Child Interactions as an Intervention for Children with Autism:** CHIP Principal Investigator Anjana Bhat (grant PI), an assistant professor of Physical Therapy/Kinesiology, and CHIP Advanced Interactive Technology Center (AITC) Director Timothy Gifford (grant co-I), who also directs the Ecological Robotics Lab in the Department of Psychology, have received a R21 exploratory grant from the National Institutes of Health (NIH) to use robots to improve the gross motor, social, and communication skills of children with autism between the ages of 4 and 8. The robots initially facilitate child-therapist interaction by establishing a shared focus of attention. The researchers envision the robots also might be used to supplement the intensive therapeutic needs of children with autism in a consistent, reliable manner. CHIP Principal Investigator Kerry Marsh, an associate professor of Psychology, and CHIP Affiliate Deborah Fein, professor of Psychology, are collaborators on the grant.
3. **Dealing with Missing Data in HIV Prevention Trials:** CHIP Principal Investigator Ofer Harel (grant PI), an assistant professor of Statistics, and CHIP Principal Investigator Seth Kalichman (grant co-I and mentor to Dr. Harel), a professor of Psychology, have been awarded an NIH grant to develop new methodologies for advancing clinical and community AIDS behavioral research when researchers only have access to incomplete data sets. The grant is a K award, a career development grant that brings Dr. Harel into the HIV/AIDS research arena.
4. **Helping Children to Grow Up Healthy: The Pediatrician's Role in Preventing Childhood Obesity:** CHIP Affiliate Dr. Michelle Cloutier (grant PI), a professor of Pediatrics at the UConn Health Center, and CHIP Principal Investigator Amy Gorin (grant co-I), an assistant professor of Psychology, have been awarded an Aetna Foundation grant to expand work they began last year with internal funding from CHIP, the UConn Research Foundation, and the Donaghue Foundation. The collaborators are designing an intervention that will bring parents and pediatricians together to target obesity in African American and Latino children as young as age 2 in Hartford. The intervention will be brief (less than three minutes) so that pediatricians are able to deliver it within the context of regular medical visits. The intervention also will use messages that can be culturally-tailored and customized for each family to ensure follow-through in the home environment.
5. **The effect of a Virtual Pain Coach for Spanish-Speaking Older Adults Pilot Study:** CHIP Principal Investigator Deborah McDonald, who is also an associate professor of Nursing, and CHIP AITC Director Timothy Gifford are using a CHIP Seed Grant to conduct a pilot study of the effectiveness of a virtual pain coach for Spanish-speaking older adults with osteoarthritis. Pain treatments for chronic conditions, such as osteoarthritis, require close follow-up and adjustment, especially for older adults at increased risk of adverse events from under- or over-medication. Spanish-speaking older adults face additional challenges clearly communicating about their pain and have been found to communicate less about their pain with their practitioner. The pilot study, which will involve 40 participants, is being conducted with additional partners from the School of Nursing, Hartford Hospital, and the University of Pittsburgh. As is the case with all CHIP seed grants, the researchers hope to use the results from the pilot study to enhance an application for external grant funding.
6. **Community-based HIV Education Research Program for Diverse Ethnic, Disadvantaged, and Disability Groups:** CHIP Principal Investigators Merrill Singer, a professor of Anthropology, and Jean Schensul, founding director of the Institute for Community Research, have submitted a National Institute of Mental Health (NIMH) Research Education Grant (R25) with Elaine O'Keefe, the executive director of Yale University's Center for Interdisciplinary Research on AIDS (CIRA), and CIRA's Barbara Guthrie, an associate professor of Nursing at Yale. The grant proposal addresses the documented challenges and barriers to the advancement of underrepresented,

disadvantaged, ethnic minority, and disability scholars in the field of community-based HIV/AIDS research. As part of the grant, the research team will provide an intensive six-week Summer Institute for 20 such scholars at the advanced post-doctoral and junior faculty level. The Summer Institute will deliver a research education curriculum, training, and professional development opportunities to enrolled scholars; develop and roll out a mentoring typology that addresses structural and individual barriers to advancement of program participants in community-based HIV research; and evaluate the effect and efficacy of the overall education program on scholars, mentors, and their respective organizations.

I. Results of 2010 CHIP Affiliates Survey

CHIP offers a range of services to its principal investigators (PIs) and affiliates. These services include assistance with grant submissions, access to internal CHIP grant competitions, pre- and post-grant award support, IT services, and more. (See *Appendix 6 on pages 58-59 for a list of CHIP services and the administrative staff members responsible for them.*) CHIP periodically evaluates these services and, in January 2010 at the direction of its Executive Committee, CHIP asked PIs, affiliates, research staff, and graduate students to evaluate the quality of its services through an online survey.

Eighty-seven individuals responded to the survey, and results were favorable in all categories. At the same time, CHIP discovered that a majority of affiliates were not fully aware of several CHIP services, which points to a need for CHIP to better publicize this information. This need is targeted in one of the CHIP objectives for FY11: Administrative Objective #9 on page 16.

A summary of the survey results related to key services follows.

CHIP Internal Grants for Affiliates and PIs

CHIP offers five different internal grant opportunities to UConn-affiliated faculty and graduate students (i.e., seed grants for new investigators, seed grants for experienced PIs in health behavior, pilot project grants for graduate students, summer stipends for faculty for grant development, and grants for conference development) as a way to foster research in health behavior and, ultimately, successful external grant applications. Each grant application is rigorously evaluated by a panel of CHIP reviewers that is similar to an NIH review panel, and applicants are provided with detailed written feedback from the reviewers. The survey asked respondents to indicate whether they had applied for an internal grant in the past two years and, if so, whether it benefited their research. Of the 87 respondents, 26.4% indicated that they had previously applied for and were awarded an internal grant. Sixteen of the 23 that were awarded grants and one person that was not awarded a grant reported that applying for the grant furthered their research. Only one person who was awarded a grant indicated that it did not further his/her research (the remaining individuals who applied for internal grants did not answer the question). There were many positive comments about the internal grant opportunities, including one from a CHIP PI who shared, “I received a seed grant from CHIP which was extremely helpful to me in attaining a very large NIMH grant for related work within a few years. I could not have obtained this funding if it were not for the CHIP seed grant.” Similarly, one of the graduate students who applied for a grant reported, “...it has given me good grant-writing experience and also prepared me for some of the larger grants I will go on to apply for later in my studies.” (See *Section K on pages 25-26 and Appendices 7 through 11 on pages 60-67 for more information about CHIP’s internal grants.*)

CHIP Pre-Submission Grant Services: Expert Review and Statistical Analysis

CHIP offers services to assist researchers with pre-submission reviews of their external grant proposals and with analysis of their data. When asked to indicate whether they had made use of these research support services in the past two years, 14 respondents (16.1%) indicated that CHIP had arranged for expert researchers to review their grant proposals prior to submission to an external funder, and 16 (18.4%) had received statistical support from a CHIP-funded statistician. When asked how helpful these services were, 12 said the grant reviews were “very helpful,” 1 said they were “somewhat helpful,” and 1 did not answer the question. Regarding the helpfulness of the statistical services, 8 said they were “very helpful,” 4 said they were “somewhat helpful,” and 4 did not answer the

question. Feedback about these services were very positive as indicated by the following comment from a PI: “These are wonderful services, which are not available in most academic departments and in many research centers. Well appreciated.” (See Appendix 12 on page 68 for more information about these services.)

CHIP Lecture Series

The *CHIP Lecture Series* brings world-renowned researchers to UConn to make presentations on a range of topics related to health behavior, and it also provides opportunities for researchers and graduate students to meet individually with the presenters to discuss research ideas and possible collaborations. A total of 58 (66.7%) respondents indicated that they had attended at least one *CHIP Lecture Series* presentation in the past two years, and 15 (17.2%) had watched one or more presentations online on the CHIP website. When asked for their feedback on the presentations, 23 (38.3%) of the 60 who attended or watched a presentation, indicated that the presentations were “very helpful” to their research, 19 (31.7%) responded that the presentations were “somewhat helpful,” and 27 (45.0%) indicated that the presentations helped them to “identify potential research collaborators.” Not a single respondent who attended or watched a presentation rated the *CHIP Lecture Series* presentations as not being helpful. The comments about the *Lecture Series* were very positive and included the following:

- “*CHIP Lecture Series* researchers are absolutely first rate, and have been beneficial to both faculty and their graduate students. Many graduate students meet with these visiting faculty and form research and professional relationships with them.”
- “The *Lecture Series* is always good at challenging the way I conceptualize my own research, and the opportunity to meet with different investigators who have varied experience and expertise is invaluable.”

(See Appendix 3 on pages 46-47 for a list of “*CHIP Lecture Series*” presentations.)

CHIP’s Pre-award and Post-award Grant Services

Services that are critical to obtaining grants and managing them once awarded are pre-award and post-award grant services. A total of 34 (39.1%) out of 87 survey respondents indicated that they had utilized CHIP **pre-award** services during the past two years. Of the 29 respondents who had used these services and rated their helpfulness, 100% indicated that the services were “somewhat helpful” to “very helpful;” none of the respondents indicated that the services were “not helpful.” Thirty-six respondents (41.4%) indicated that they had used **post-award** grant services in the past 2 years. All 34 of the individuals who had used and rated these services reported that the services were “somewhat helpful” to “very helpful.” As with pre-award services, no one rated post-award services as not being helpful. The comments provided by respondents about pre- and post-award grant services were very positive, as exemplified by the following:

- “The professional staff are all outstanding, competent, and a pleasure to work with on grant-related issues.”
- “The staff do a phenomenal job. No one else on campus offers the quality of services that they provide.”
- “CHIP’s pre- and post-award services are exceptional-- surpassing what is offered elsewhere. They make it possible for faculty to be extremely productive doing what they do best--science, and help them to succeed in their external grant applications.”
- “I cannot emphasize enough how valuable this service is to my research and stress reduction at the University!!!!”

Other CHIP Administrative Services

Other administrative services include assistance with hiring of staff, payroll, human resources/labor relations, purchasing, and travel. All of these services are critical to PIs being able to conduct their research projects as cost- and time-efficiently as possible. Twenty-six (29.9%) of the 87 respondents indicated that they had sought assistance

from the CHIP administrative team in the past two years for the hiring of students and/or research staff, processing of payroll, and/or human resources issues. All 23 of the respondents who rated the helpfulness of these services rated them positively. Similarly, in terms of assistance with purchasing and travel, 31 (35.6%) respondents reported utilizing these services in the past 2 years, and all 29 respondents who rated the helpfulness of these services rated them as “somewhat helpful” to “very helpful.”

CHIP IT Services

Section T on pages 34-36 provide more information about IT services, which include assistance with IT purchases, project management, hardware and software issues, network issues, file server management, and data/file backup. As CHIP research and grants have become progressively more technologically sophisticated, the availability of quality IT support has become a necessity. A total of 43 (49.4%) respondents indicated they were assisted with IT issues in the past 2 years, and 38 (97.4%) of the 39 respondents who rated the helpfulness of the IT services they received, indicated that the services were “somewhat helpful” to “very helpful.” The comments provided by respondents were very positive:

- “The IT Director has been available at all hours of the day (including weekends, holidays) to troubleshoot server issues. Thanks to him, our field study had minimal to no server downtime during study hours! He is highly capable and organized. I am very grateful that we had him on staff. In retrospect, I do not think our project could have succeeded without an IT director of his caliber.”
- “CHIP's IT team is exceptional. They are critical for the sort of cutting-edge, tech-heavy research projects which are a hallmark of CHIP researchers.”
- “I couldn't live without the level of IT service we have--it is very good quality, and they are very patient with my limited tech knowledge (they don't make me feel dumb when I ask a question), which is very important because I'm not afraid or put off when I need to use them!”

J. CHIP Health Domains

CHIP principal investigators (PIs) conduct research related to health-risk behavior and behavioral change across a range of academic disciplines and health domains. Since 2002, CHIP investigators have successfully secured research grants totaling over \$67 million to study the dynamics of health risk behavior within specific populations and to develop interventions to reduce risk behaviors.

At present, CHIP has \$43.7 million in active grants in the following health domains: HIV/AIDS, sexual behavior, alcohol and substance abuse, medication adherence and management, obesity, exercise science, cancer, autism, health communication and marketing, and virtual reality (VR) as a method to study health behavior. (*A list of the active CHIP grants for FY10 is provided in Appendix 13 on pages 69-74.*)

A description of active CHIP research within each health domain follows.

HIV/AIDS

Much CHIP research to date has been conducted in the area of HIV/AIDS risk behavior including understanding the dynamics of risky behavior, creating HIV prevention interventions for at-risk and HIV-positive populations, creating family planning interventions for HIV-positive individuals, creating interventions to improve antiretroviral medication adherence, and performing meta-analyses of existing HIV interventions to determine which ones are most effective.

CHIP's HIV/AIDS research has grown increasingly international and, over the years, has included grant-funded projects conducted or proposed (not all currently active) in Afghanistan, China, Ethiopia, India, Malaysia, Mozambique, Russia, South Africa, Thailand, Uganda, Ukraine and Vietnam.

SEXUAL BEHAVIOR

CHIP research on sexual behavior includes the development and evaluation of interventions for pregnancy prevention, prevention of sexually transmitted infections, and HIV prevention. Current projects in this area also include meta-analyses of existing safer sex interventions and family planning campaigns, development of a safer sex video game geared toward young urban adults, and use of virtual reality (VR) technology to measure study participants' rapid, emotion-based reactions to condoms.

ALCOHOL AND SUBSTANCE USE

CHIP alcohol use research includes interventions addressing alcohol-related HIV risk behaviors in HIV-positive individuals and in men and women in South Africa, as well as alcohol-related obstacles to antiretroviral medication adherence. Other lines of alcohol-related research at CHIP involve studying the impact of an exercise regimen on college students' hazardous drinking behavior, and studying the effects of alcohol advertising on youth drinking.

CHIP substance use research comprises risk reduction interventions for injection drug users including for newly released HIV-infected prisoners transitioning back into the community and high risk HIV-negative and status unknown individuals participating in methadone maintenance drug treatment. Other CHIP research in this domain includes an intervention using exercise to reduce drug use among cocaine users and an intervention using place-based social marketing to reduce youth drug use at parties.

Much of CHIP's research in this domain has been internationally-based, including research performed or proposed (not all currently active) in China, Malaysia, Russia, South Africa, Thailand, Ukraine, and Vietnam.

MEDICATION ADHERENCE AND MANAGEMENT

In the realm of medication adherence, CHIP investigators have created a novel software program to increase HIV-positive patients' adherence to antiretroviral medications. This technology is designed to meet the specific needs of HIV-positive individuals for whom medication adherence is especially challenging. Other CHIP research on medication adherence is targeting individuals with poor literacy skills and recently released prisoners transitioning back into the community.

In the realm of medication management, CHIP investigators have developed a user-friendly software program for older adults with hypertension to learn more about their medications and potentially dangerous drug interactions. The program, which runs on a tablet computer, has been licensed to a company that provides web-based monitoring and management solutions to improve the quality and reduce the cost of care for patients with chronic conditions.

OBESITY

CHIP obesity research seeks to understand and change the social and environmental factors contributing to our nation's obesity epidemic. Research projects include changing the home environment of individuals participating in behavioral weight loss interventions, involving spouses or partners in weight loss efforts, and working with parents and pediatricians to address childhood obesity in children as young as two years of age.

Another line of obesity research involves analyzing the impact of food advertisements and public service announcements (PSAs) on child and teen eating habits and weight.

An obesity research interest group at CHIP includes faculty members from UConn's Psychology, Kinesiology, Nursing, Nutritional Sciences, Public Health, Pediatrics, and Communication Sciences departments with a common interest in understanding, preventing, and treating obesity and related co-morbidities

EXERCISE SCIENCE

CHIP investigators from UConn's top-ranked Kinesiology Department have active grants in exercise genomics, which involves studying how genetic variations influence the effects of exercise on health outcomes, such as blood pressure and muscle size and strength.

Another line of exercise science research at CHIP involves studying the impact of physical activity and prize incentives on adherence to treatment among HIV-positive substance users, cocaine users, alcohol users, and overweight and obese individuals.

CHIP researchers from the Kinesiology Department also are studying the role of acute and chronic ingestion of whey protein on the body's response to resistance training. Other work is focused on determining metabolic and hormonal responses to foods low in carbohydrates.

CANCER

Current CHIP cancer research is focused on (1) quality-of-life issues for adolescent and young adult cancer survivors, including the development of new health-related quality-of-life measures, (2) the perceptions of couples dealing with cancer regarding the disease's impact on self, partner, and marriage, and (3) the knowledge and attitudes of gay men toward prostate cancer and other Gay-Lesbian-Bisexual-Transgendered (GLBT) health issues. In addition, CHIP cancer researchers from the departments of Psychology and Human Development and Family Studies (HDFS) are studying the impact of a lifestyle intervention for breast cancer survivors.

AUTISM

An interdisciplinary team of CHIP researchers, including kinesiologists and psychologists, has a federal grant to study the impact of using robots as intervention tools for children with autism. The team's preliminary research in this area shows that children with and without autism respond well to robot interactions, such as playing imitation games. The project's robot-child interactions will provide a novel approach for helping autistic children simultaneously improve gross and fine motor skills as well as social communication skills.

HEALTH COMMUNICATION AND MARKETING

CHIP research projects in the domain of health communication and marketing include the development of an HIV prevention video game geared toward young urban adults, place-based social marketing to prevent youth drug abuse, and the meta-analysis of health communication campaigns. Most of these projects are made possible, at least in part, through funding from the Centers for Disease Control and Prevention (CDC).

A separate CDC grant to CHIP Principal Investigator and Communication Sciences Professor Leslie Snyder funded the creation of the Center for Health Communication and Marketing (CHCM), "a center within a center" at CHIP. CHCM focuses on understanding relationships between at-risk populations and their contexts, communication strategies, messages, and behavior change.

(Appendix 14 on pages 75-82 provides additional information about CHCM and its research activities.)

VIRTUAL REALITY AS A METHOD TO STUDY HEALTH BEHAVIOR

Advanced interactive technologies, including virtual reality (VR), allow researchers to immerse subjects in situations that would be cost-prohibitive, dangerous, or even impossible in the real world. VR also lets researchers monitor subjects' real-time responses to various scenarios, making it a valuable tool for social science research.

At CHIP, a federal grant to study sexual risk behavior in VR environments has led to the creation of the CHIP Advanced Interactive Technology Center (AITC), with hardware, software, and personnel capabilities to produce and support interactive and VR research.

CHIP's AITC is now a fee-for-service center available to the entire university. In addition to working on Kerry Marsh's sexual risk behavior grant, AITC staff members currently are working with researchers from a number of disciplines, including Nursing and Engineering, on projects or grant proposals involving interactive or VR technologies.

(See Appendix 15 on pages 83-84 for a description of the services provided by AITC.)

K. CHIP Research Investment Capital Competitions

Generally, CHIP conducts five competitions for CHIP Research Investment Capital funds. The purpose of these competitions is to provide pilot and seed grant resources to investigators to stimulate new research in health behavior change at UConn of the type and quality that is likely to lead to external funding. Historically, some of CHIP's largest, most successful external grants were made possible because they were able to include critical pilot data that was paid for by one of the research investment capital competitions described below:

- 1) **Grant Development Opportunities for CHIP Principal Investigators** - Provides funds to established CHIP investigators to support new research development initiatives and pilot work that will lead to future external grant applications in the areas of health behavior change and health risk prevention.
- 2) **CHIP "Seed Grant" Opportunities for New Investigators** - Provides funds to investigators who are more junior and have not previously received significant external funding in health behavior change, to support new research development initiatives and pilot work that will lead to future external grant applications in the area of health behavior change.
- 3) **Pilot Projects in Health Intervention and Prevention Research for Graduate Students** - Provides graduate students with the opportunity to prepare independent research proposals for original pilot work while in graduate school and to have their proposals reviewed by an NIH-style panel. Priority is given to promising research likely to develop into a larger study and garner external funding (e.g., a National Research Service Award proposal through the National Institute of Mental Health). The best proposals are funded so that the pilot work can be performed.
- 4) **CHIP Grant Development Stipend Competition for Junior Faculty** - CHIP offers summer stipends to junior faculty who are CHIP affiliates to assist them with writing successful grant applications to obtain external funding for research in health behavior change. Specifically, CHIP provides \$5,000 stipends to be paid during the summer months, to support junior faculty financially for the time they devote to writing a grant proposal for external submission before the end of the summer. Winners of the competition receive mentoring, statistical and methodological consultation (if needed), and help with the grant submission process from the CHIP business team. In the application for the stipend, prospective awardees are asked to describe the focus of the grant application to be written, how it contributes to the literature, the type of grant (R21, R03) to be applied for, and to show evidence that the funding agency has interest in supporting this type of work. The proposals are reviewed by an internal review committee within CHIP.
- 5) **CHIP Conference Development Grant** - CHIP provides funding on occasion to CHIP investigators for conferences that stimulate innovative, multidisciplinary, and/or multi-institutional collaboration in health behavior change research. Funds are provided to invite key national and international researchers to CHIP and University of Connecticut to share recent work in new, underexplored areas, or at the intersection of disciplines. Conference topics and/or themes should lead to new, multidisciplinary and/or multi-institutional project development as well as to new scholarship in the area of health behavior change.

Grant Review Process for CHIP Research Investment Capital Competitions

Calls for proposals for these competitions are sent to all CHIP affiliates and prospective affiliates in December of each year. Reviews are performed in early spring of the following year, and funds are awarded before the end of each fiscal year. *(Please see Appendices 7 through 11 on pages 60-67 for this year's announcement for each of these competitions.)*

An important component of the CHIP internal research funding competitions is mentoring. All proposals submitted receive mentoring reviews from a rigorous NIH-style review panel that provides guidance on how to improve the proposal for subsequent external review, whether the project is ultimately funded by CHIP or not. The competition process also includes a “reviewer mentoring” component that involves senior reviewers coaching selected junior reviewers on the review process.

The review meetings for all CHIP grant competitions are structured and conducted as typical NIH study section meetings at which primary and secondary reviewers give their initial scores, then their reviews, followed by discussion and final scoring. The committees are charged with making funding recommendations, so reviews are scored by open polling, followed by the group deriving consensus scores. The committees also have the power to revise the budgets in the grants, in the way that NIH committees can make budget recommendations.

Stacey Leeds of CHIP provides communication and logistical assistance for the faculty and graduate student review process.

Results of CHIP Research Investment Capital Competitions

The proposals which are submitted in response to the announcements in Appendices 7 through 11, constitute the “seed corn” from which future CHIP research grant proposals emerge. It is critical that CHIP have sufficient funds to fully support these competitions each fiscal year, because availability of these funds has serious impact on the success of future CHIP external grant submissions, the breadth of the scientific work emerging from CHIP research, as well as the indirect costs (IDCs) CHIP can return to the University. In the coming year, targeted outreach will occur to generate even a large number of submitted proposals for CHIP internal research funding.

This past year, the CHIP Review Committee was chaired by affiliates Michael Copenhaver, an assistant professor of Allied Health Sciences, and Amy Gorin, an assistant professor of Psychology. Committee members also included CHIP affiliates Linda Pescatello, a professor of Kinesiology, and CHIP graduate students Matthew Kostek (Kinesiology) and Robert Low (Psychology).

In February 2010, the CHIP Review Committee funded a \$1,500 seed grant for each of the following CHIP graduate students:

- Laramie Smith and Valerie Earnshaw (Psychology) for a proposal entitled, *Evaluation and Generalizability of the HIV Stigma Framework*.
- Garrett Ash (Kinesiology) for a proposal entitled, *A Pilot Study of the Comparison of the Immediate After Effects of Aerobic (AE) and Ischemic Handgrip (IHG) Exercise on Blood Pressure (BP) and Vascular Function Among Adults with High Blood Pressure*.

The CHIP Review Committee also awarded \$15,000 each to two CHIP faculty members:

- Associate Professor Crystal Park of Psychology for a grant proposal entitled, *Preliminary Test of a Psychospiritual Intervention for Improving Health-related Quality of Life in Congestive Heart Failure*.
- Associate Professor of Nursing Deborah McDonald for a proposal entitled, *The Effect of a Virtual Pain Coach for Spanish Speaking Older Adults Pilot Study*.

In addition, CHIP PI Ofer Harel, an assistant professor of Statistics, was awarded a CHIP conference development grant that helped Dr. Harel organize and the University to host a mini-conference of the Connecticut chapter of the American Statistics Association in March 2010. The conference focused on the analysis of incomplete data sets, an area in which Dr. Harel recently was awarded a significant external grant. It drew 130 attendees from academia and industry.

L. New Externally-Funded Research Initiatives by CHIP Principal Investigators

In FY10, CHIP Principal Investigators were awarded \$5.6M of new external funding to direct multidisciplinary research activities in the areas of HIV prevention, enhancing reproductive health, preventing obesity, understanding

and eliminating health disparities, exercise and its possible association with the prevention of cocaine abuse, and other important health domains.

(Brief abstracts of these new grants can be found in Appendix 1 on pages 41-43. A list of these grants, their funding agencies, and the total costs, direct costs, and indirect costs associated with each is contained in Appendix 2 on pages 44-45.)

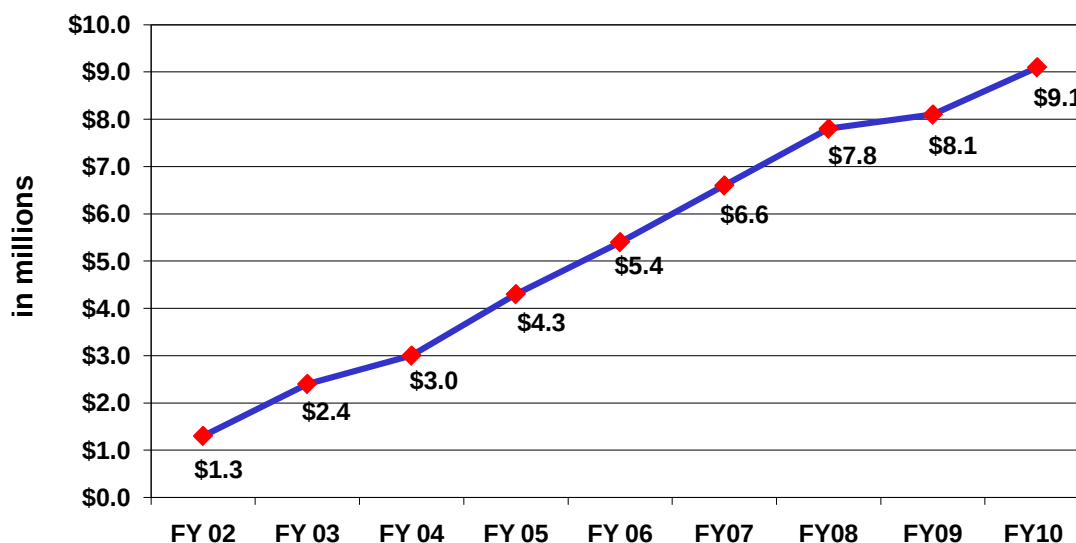
M. Active CHIP Research Grants (as of May 15, 2010)

For actual research expenditures in FY10 alone, there was \$9.1 million in total costs expended on external CHIP grants, \$7.2 million in direct costs, and \$1.9 million in recovered indirect costs. Total costs per year have increased 7 times from FY02 (from \$1.3 million to \$9.1 million in just seven years), as have direct costs and indirect costs.

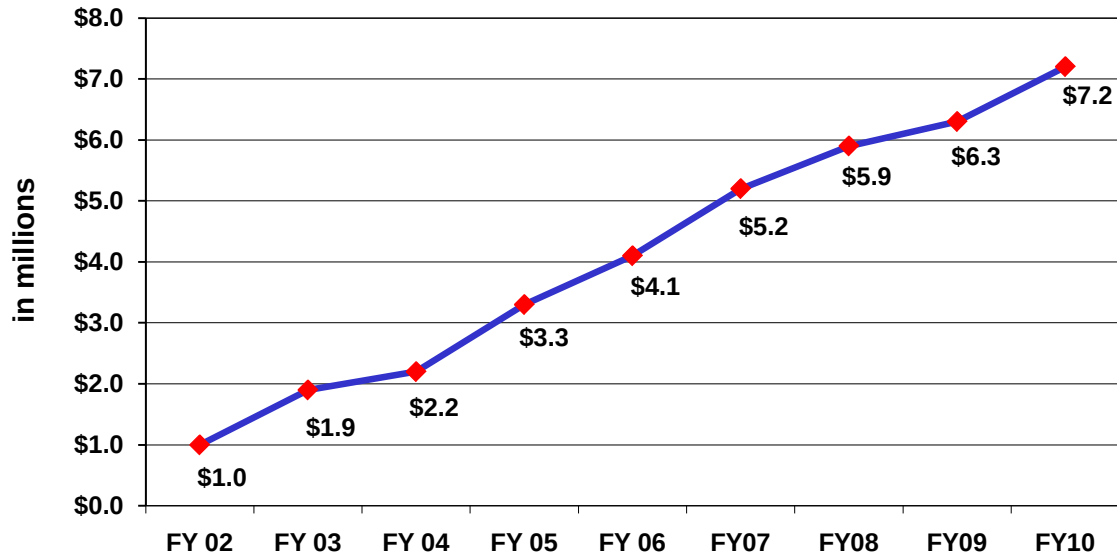
For financial summaries of CHIP grant total costs, direct costs, and indirect costs over the last several fiscal years, see the three figures immediately below.

(For a current list of CHIP Active and Awarded Grants, see Appendix 13 on pages 69-74. For a current list of CHIP grants that have been submitted for external funding during the past year, see Appendix 16 on pages 85-89.)

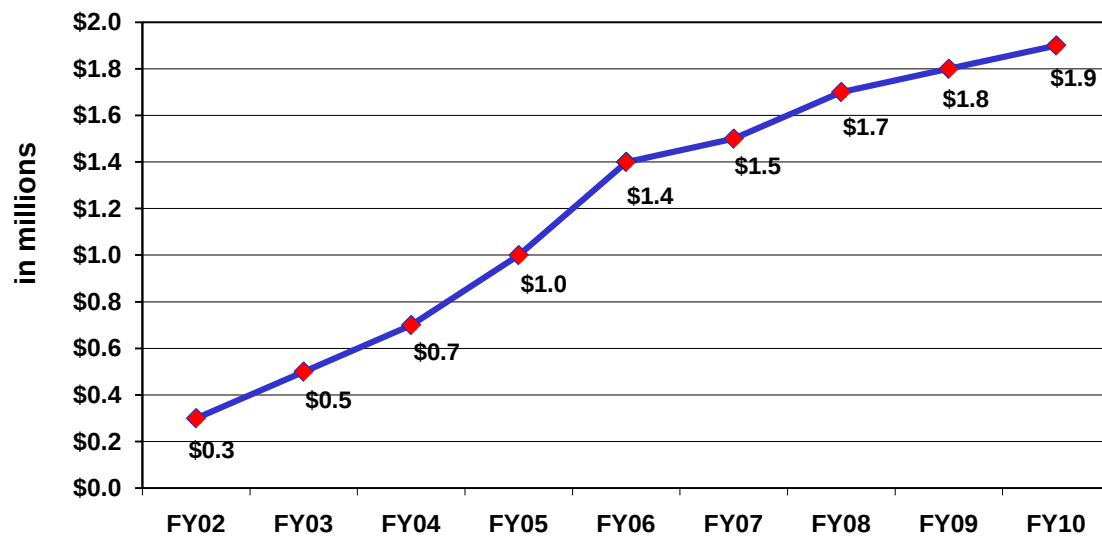
Actual Total Costs Per Year Expended on External CHIP Grants



Actual Direct Costs Per Year Expended on External CHIP Grants

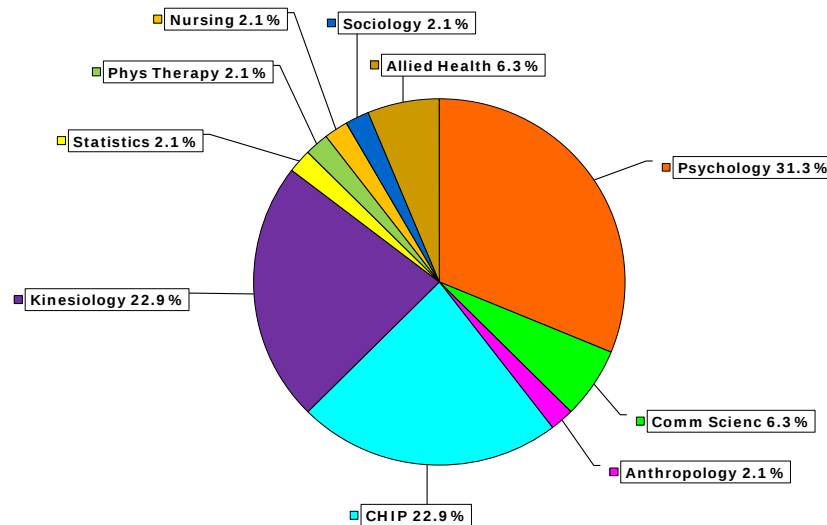


Actual Indirect Costs Per Year Recovered from External CHIP Grants

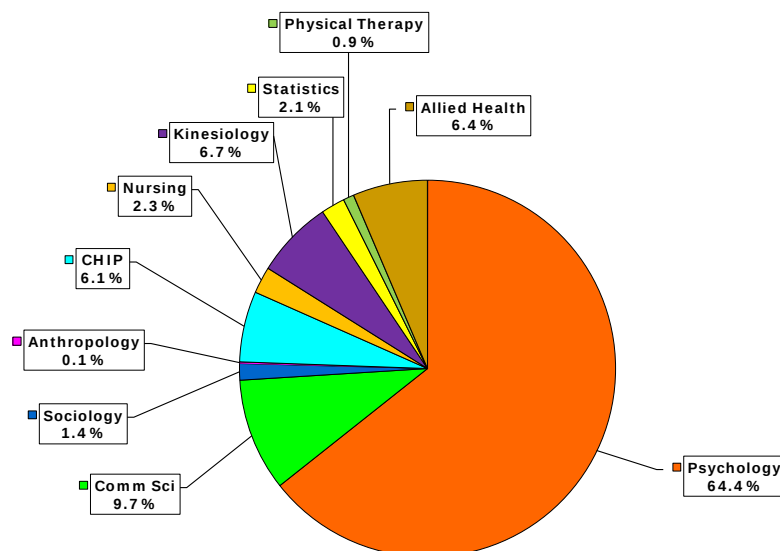


As can be seen in the following two pie charts, CHIP grants span many departments at UConn. Note the differences between the pie charts for the percentage of overall number of CHIP grants by department and the percentage of overall CHIP grant dollars by department.

**Distribution of # of Current CHIP Grants by Department
(Out of 48 Total Grants as of May 15, 2010)**



**Distribution of Current CHIP Grant Dollars by Department
(Total Costs across All Years of Grants as of May 15, 2010)**



N. Submitted CHIP Grant Applications (as of May 15, 2010)

Through May 15, 2010 of FY10, CHIP Principal Investigators had submitted 49 external grant applications comprising \$19.5 million in total costs, \$14.8 million in direct costs, and \$4.7 million in indirect costs. (*For details of these submitted grants, see Appendix 16 on pages 85-89*). Of these grants, as noted above, fully \$5.6 million (total costs) have already been funded thus far this fiscal year.

(*Those grants that were submitted in FY10 that have already been funded are listed both in Appendix 2 on pages 44-45 and in Appendix 13 on pages 69-74.*)

O. Dissemination of CHIP Interventions

In the past year, CHIP made some major gains in achieving its goal of improving translation and dissemination of behavior change research into clinical and community practice. A major effort in this regard is the Connecticut Institute for Clinical and Translational Science (CICATS) Practice-Oriented Research Translation (Port) Core (*described fully in Appendix 4 on page 48*). In addition, new grant proposals have been funded, or submitted, this year by CHIP Principal Investigators for work with substantial dissemination and implementation components. CHIP Affiliate Michelle Cloutier, a pediatric pulmonologist at Connecticut Children's Medical Center, and Amy Gorin (Psychology) received a grant (discussed earlier) from the Aetna Foundation to disseminate known behavioral strategies for weight control into a high risk population of urban, low-income African American and Latino mothers of 2- to 4-year-old children in Connecticut. Dr. Deborah Fein (Psychology) submitted a grant entitled "Teaching Skills to Toddlers," which involves the development of video-enriched teaching programs aimed at parents of young children with autism. This intervention will be widely disseminated internationally, to help parents help their children with autism to function better in a number of domains with health-related and other implications. In addition, Dr. Fisher (Psychology) recently submitted a supplement to his NIMH grant to perform work to improve dissemination and implementation of HIV prevention interventions in resource poor countries.

In the past year, the Center has continued to achieve tremendous success in disseminating cutting-edge, theory-based interventions initially developed and evaluated by CHIP investigators, to health organizations nationally and globally that are working in communities with high rates of HIV and other health concerns. Seth Kalichman (Psychology) developed two HIV prevention interventions that are listed in the CDC's *Compendium of Evidence-Based HIV Prevention Interventions: Healthy Relationships*, a multi-session, group-level HIV risk reduction intervention for PLWHA, and *NIA: A Program of Purpose*, a video-based, motivational skills-building, small-group HIV prevention intervention for heterosexual African American men living in urban areas. *Healthy Relationships* is one of the most widely disseminated HIV prevention interventions in the world.

The *Options/Opciones Project* (PI: Jeffrey Fisher, Psychology), which is a healthcare provider-delivered HIV prevention intervention for people living with HIV (PLWH) who are in clinical care, has been disseminated broadly throughout the U.S. and Africa since it was first developed in 2000. *Options* is listed in the *2009 Compendium of Interventions* by the U.S. Centers for Disease Control and Prevention (CDC) as a promising intervention. In FY10, *Options* was funded by PEPFAR (U.S. President's Emergency Plan for AIDS Relief) to be implemented and evaluated in 7 military hospitals in Ethiopia, Mozambique, and Uganda (PI: Deborah Cornman, CHIP), and it was funded by NIMH (National Institute of Mental Health) to be implemented and evaluated in 16 public health care clinics in South Africa (PI: Jeffrey Fisher). In the past year, Dr. Fisher also received funding to support the dissemination of *Options* to minority health care providers in the Northeast U.S., in collaboration with the W. Montague Cobb Institute of the National Medical Association (NMA), a professional organization of 35,000 African American health care providers throughout the country.

Robert Broadhead (Sociology) developed and evaluated an HIV prevention intervention for intravenous drug users over several years. Entitled the *Peer-Driven Intervention (PDI)*, it seeks to reduce HIV transmission among injection drug users (IDUs) by using active IDUs to educate their IDU-peers in HIV prevention and to recruit their peers to attend enhanced HIV prevention services, for which they earn nominal rewards. The model was demonstrated to be

effective, and Dr. Broadhead has received extensive funding to disseminate the model globally, including in China, New Zealand, Ukraine, Russia, Thailand, Vietnam, and U.S.

Additionally, in FY10, the *CHIP Lecture Series* continued to bring to campus well-known speakers (e.g., Jeremy Grimshaw, University of Ottawa, and Abraham Wandersman, University of South Carolina) who do cutting-edge research on dissemination and implementation, and to make available these presentations in archived form through the CHIP website as well as through live webcasts and broadcasts. And the new CHIP website includes a section on *Dissemination and Implementation* which will be helpful to researchers and public health organizations wishing to adopt health behavior change interventions developed at CHIP.

P. Selected Current CHIP PI Publications and Presentations

Many highly prestigious scholarly publications were published and numerous important presentations were delivered by CHIP Principal Investigators and their research associates during the fiscal year from July 1, 2009 to June 30, 2010. These PIs include Rivet Amico, Anjana Bhat, Thomas Blank, Robert Broadhead, Michael Copenhaver, Deborah Cornman, Pamela Erickson, Jeff Fisher, Amy Gorin, Ofer Harel, Blair Johnson, Seth Kalichman, William Kraemer, Carl Maresh, Kerry Marsh, Stephanie Milan, Patricia Neafsey, Crystal Park, Linda Pescatello, Leickness Simbayi, Merrill Singer, Leslie Snyder, and Jeff Volek. The list of publications and presentations in the Appendix does not include publications by our PhD affiliates who do not currently have active CHIP grants, a list that would be much longer. (See Appendix 17 on pages 90-108 for selected CHIP PI publications and presentations during the last fiscal year).

Q. CHIP Graduate Student Highlights, Research Achievements, Publications, Presentations and Grant Awards

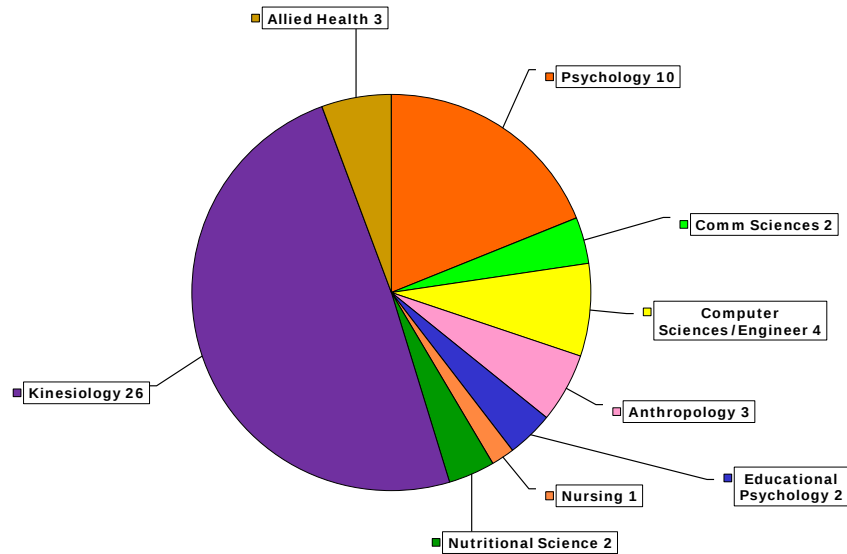
Graduate students working with CHIP principal investigators benefit tremendously from the unique research, collaborative, professional, and mentorship opportunities available through the Center. CHIP graduate students consistently publish in many of the most prestigious peer-reviewed journals in their field, present at professional conferences around the world, and secure internal and external funding for research projects. Moreover, they provide an invaluable asset to CHIP principal investigators as substantial contributors to collaborative research projects and grants.

During academic year FY10, CHIP external grants funded 35 graduate students (most full-time) across multiple departments, while internal University awards funded 3 additional graduate students. Total *academic year* CHIP funding for graduate students in FY10 was \$386,947. When adding summer funding for graduate students, CHIP's total FY10 support for 53 graduate students was \$484,922.

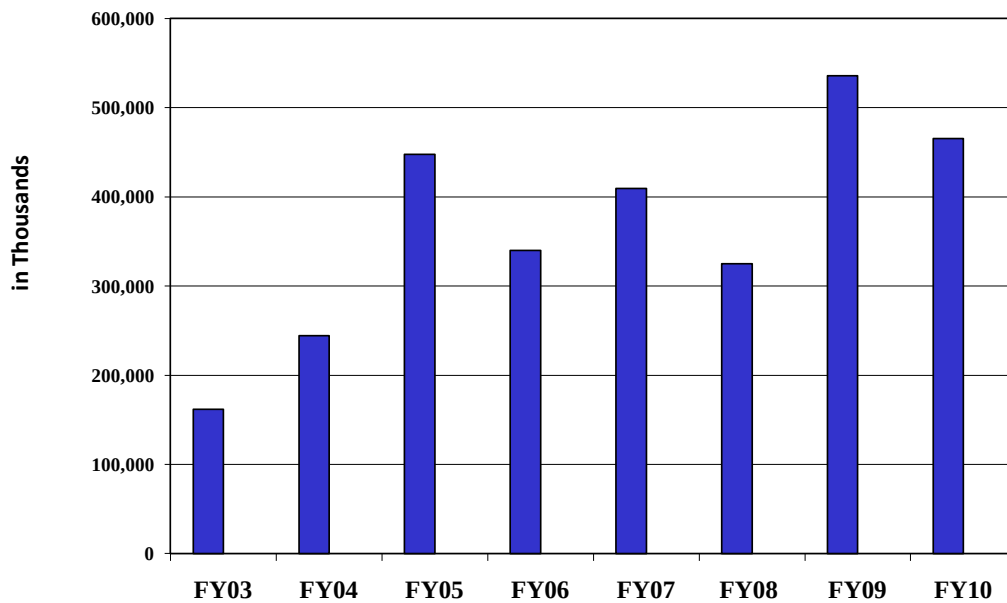
The pie chart on page 32 shows the number of graduate students in each department that were funded by CHIP grants. And the graph that follows demonstrates the increasing amount of CHIP grant funds spent on graduate students each year.

(See Appendix 18 on pages 109-114 for a list of selected graduate student publications, presentations, and awards.)

Number of CHIP Grant-Funded Graduate Students by Department as of May 15, 2010



Support for Graduate Students generated by CHIP Grants



In FY10, CHIP grants employed 53 graduate students across multiple UConn Departments.

R. CHIP Post-Doctoral Investigators

During FY10, **Joanne Cunningham**, **Tania B. Huedo-Medina**, **Brian R. Kupchak**, and **Nnenna Ohalete** served as postdoctoral investigators at CHIP. CHIP post-docs collaborate with CHIP PIs on funded research while typically pursuing their own independent research. Many former CHIP post-doctorates have gone on to have their own significant independently-funded research portfolios. Furthermore, CHIP post-docs have also gone on to procure tenure track positions at major research institutions.

- **Joanne Cunningham, Ph.D.**, joined the research team of CHIP Director Jeffrey Fisher (Psychology) in 2009 in the role of project manager for the W. Montague Cobb Institute/National Medical Association (NMA) *Options Project*. (See section entitled, “Dissemination of CHIP Interventions” on pages 30-31). Prior to joining CHIP, Dr. Cunningham was the project coordinator for a National Institute of Health (NIH)-funded study of premenstrual dysphoric disorder at the PMS & Perinatal Research Program at Yale University. Dr. Cunningham completed a postdoctoral fellowship in geriatric psychiatry at Weill Cornell Medical College of Cornell University. She received her doctorate in Anthropology and Psychology from the University of Michigan, Ann Arbor. In addition to her work in HIV secondary prevention, Dr. Cunningham’s research interests include mood disorders and substance abuse, with a particular focus on how patients’ illness beliefs function as barriers to care.
- **Tania B. Huedo-Medina, Ph.D.**, joined the research team of Dr. Blair T. Johnson (Psychology) in 2006, to contribute work on the grant “Syntheses of HIV/AIDS Research Project II.” Dr. Huedo-Medina is a post-doctoral research associate scientist at CHIP. She holds a Ph.D. in Quantitative Methods from the University of National Long Distance Education (UNED) in Madrid, Spain, specializing in practical and theoretical methodological issues for meta-analysis in Social and Clinical Psychology. Dr. Huedo-Medina has expertise in developing mathematical assumptions for methods in meta-analysis and studying their performances using simulated Monte Carlo data. She is currently working on meta-analyses for HIV prevention and improving methods for research synthesis methodology. Dr. Huedo-Medina also collaborates with Dr. Snyder on the efficacy of tailoring health promotion communications and with Dr. Pescatello on the efficacy of physical activity interventions for cancer patients and survivors.
- **Brian R. Kupchak, Ph.D., M.T. (ASCP)**, joined the research team of Dr. Jeff Volek (Kinesiology) to contribute work on the grant, “Investigation of Whey Protein Supplementation for Physiologic Enhancement to Resistance Training and Dietary Regimes in Young adults.” Dr. Kupchak is a post-doctoral fellow in the Kinesiology Department. He holds a Ph.D. in Chemistry from the University of Florida in Gainesville, Florida, focusing on Adiponectin and Progesterone receptors and their effects on zinc and iron transport in yeast. He is currently studying how resistance exercise may improve coagulation parameters to prevent strokes and deep vein thromboses.
- **Nnenna Ohalete, Ph.D.**, joined the research team of Dr. Pamela Erickson (Anthropology) in the Spring of 2009 to contribute work on the PHRESH grant. Dr. Ohalete is a post-doctoral fellow from the School of Nursing. She holds a Ph.D. from the University of San Diego in San Diego, California. Her current work focuses broadly on reproductive health and African American fathering issues. She is currently working on a female condom study in collaboration with Dr. Margaret Weeks at the Institute for Community Research (ICR) in Hartford, and is working with Dr. Fisher on the dissemination of the *Options Project* within the National Medical Association (NMA).

S. CHIP Administration

CHIP conducted two recruitment searches this year. A new IT position was created as a direct result of increased IT involvement in research grants as well as increased need for additional assistance due to a high volume of customer demand. Furthermore, the Executive Committee felt it was critical for CHIP to have additional IT staff to provide IT “back-up support” to ensure an appropriate safety net. Brian Marofsky was hired into this position on November 12, 2009 as a part-time (80%) Computer Technical Support Consultant II, and he increased his effort to full-time on

January 15, 2010. Since Brian's employment began, external grant funding for this position has ranged from 25% to 40%, with the CHIP operational budget providing the remaining funding.

The second recruitment search was conducted when Rebecca Ortiz resigned from her position as a Program Assistant II on December 3, 2009 to accept a similar position in the Department of Journalism. Sheila Ciccone began as the temporary replacement in December of 2009 and continued until a full recruitment search was concluded with the hiring of Diane Willcutts as a Program Assistant I on April 8, 2010. Diane worked with CHIP Director Jeffrey Fisher previously on his AIDS Risk Reduction Project from 1990 to 1996 and has the research and writing skills that this position requires.

Jonathan Gill requested and received a position reclassification from a Computer Technical Support Consultant II to a Computer Technical Support Consultant III effective August 16, 2009. As the IT Director, Jonathan supervises Brian Marofsky and two student computer consultants: Keith Woodward and Sam Salorio. Keith has worked at CHIP IT for 4 years and will continue in the role of Webmaster. Sam was hired in January of 2010 as a student AV Specialist responsible for recording the *CHIP Lecture Series* and converting old *Lecture Series* content into a more current format for easier downloading and viewing. Sam's position ended in June, so Keith will resume the recording of the *Lecture Series* in the Fall of 2010.

During FY10, the CHIP Business Unit consisted of Susan Hoge, Administrative Manager I (100% FTE); Vasinee Long, Grants and Contracts Specialist (100% FTE); Melissa Stone, Administrative Services Specialist II (100% FTE); Sarah Bothell, Administrative Services Specialist II (100% FTE); Diane Willcutts, Program Assistant I (67% FTE); Jonathan Gill, Computer Technical Support Consultant III (70% FTE); Brian Marofsky, Computer Technical Support Consultant II (60% FTE); Stacey Leeds, Administrative Specialist (35% FTE); and Beth Krane, University Dissemination Specialist (40% FTE).

Melissa Stone has continued to provide additional financial budgetary grant support to Vasinee Long, while Sarah Bothell has begun to provide support to Vasinee with IDC projections. The CHIP administrative staff continues to operate as a highly competent administrative team that has vast experience with and expertise in organizational, operational, and grants management.

(A list of current CHIP administrative tasks and the people responsible for each of them is included in Appendix 6 on pages 58-59, and the CHIP Organizational Chart is shown in Appendix 19 on page 115.)

T. Ongoing Technology Initiatives

Advanced technology for health behavior research at CHIP is being pursued in seven interrelated IT initiatives. Progress in many of these domains has been significant. Each of these initiatives has great potential to enhance multidisciplinary research development among CHIP investigators and to attract substantial external research funds. The seven initiatives comprise the following:

- 1) Creation of **multimedia production capability at CHIP** to advance sophisticated use of visual media and information technology in health behavior change intervention and prevention research.
- 2) Development of **webcasting and videoconferencing capability at CHIP** to enhance health behavior change research development and the dissemination of the lectures from the *CHIP Lecture Series*.
- 3) Development of **electronic questionnaires, web-based survey capabilities, and interactive voice response (IVR) data collection capabilities**.
- 4) Creation of a **CHIP electronic archive** to make the *CHIP Lecture Series* and scholarship tools developed at the Center available to CHIP investigators and others, nationally and internationally.
- 5) Development of **server virtualization technologies at CHIP** to foster IT-driven research initiatives with grant-specific IT service offerings.

- 6) Development of **innovative information technology systems** to support CHIP's mission, specifically the dissemination of theory-based knowledge and development of cutting-edge, technology-driven, health behavior change interventions and preventions.
- 7) Development of **immersive virtual technology expertise** for advancement of health behavior change research. (*For a full description of CHIP's Advanced Interactive Technology Center (AITC), which includes the Virtual Reality (VR) Laboratory, see page 37 and Appendix 15 on pages 83-84*).

Use of Multimedia for Intervention Development

CHIP has a history of using cutting-edge media in research to deliver health behavior change interventions to targeted populations. Use of high-quality visual media (video and computer-interactive formats) in empirically-validated, theory-based health behavior change interventions has been shown both to increase the effectiveness of intervention delivery and reduce the cost of disseminating interventions in community settings. The National Institutes of Health (NIH) and other funders have a strong interest in funding projects that employ such media to enhance the reach, impact, and cost-effectiveness of health behavior change interventions among at-risk populations.

Webcasting and Videoconferencing

In the past few years, CHIP has made a substantial investment in developing the capacity for webcasting and videoconferencing at the Center, which was further enhanced with the acquisition of a live media streaming appliance in a joint venture with the Institute for Teaching and Learning (ITL). Webcasting is the use of the Internet to deliver live, video-based content to individuals at remote workstations anywhere in the world. CHIP has leveraged this technology to broadcast its *Lecture Series* events in real-time, in addition to providing content on demand via the CHIP website.

Videoconferencing utilizes network communications to provide the ability for live interactive communication between geographically-dispersed users. Meetings at CHIP can harness videoconferencing technology to include colleagues at remote locations. Recent innovations include the deployment of *Microsoft Live Meeting*, offering increased collaborative opportunities, two-way video conferencing, and the ability to conduct video conferences via a web-based interface (eliminating the need for specialized videoconferencing hardware).

Electronic Questionnaires, Web-Based Survey Capability, and Interactive Voice Response

A number of CHIP investigators conduct survey research on health behavior change. One element of the CHIP technology initiative is to support CHIP investigators in the use of electronic, web-based, and interactive voice response (IVR) survey capability. This approach allows automation of a number of survey functions including the streamlining of data collection and data entry.

The CHIP IT department has initiated a search to find a robust web-based survey application with advanced multimedia capabilities to replace the eListen software package. Follow-ups with CHIP investigators and graduate students have indicated that the eListen survey software package does not meet their needs. LimeSurvey, an open-source community-based software package, is currently being evaluated as the official replacement for eListen. Continuous development in this area will ensure that CHIP investigators, affiliates, and graduate students have access to cutting-edge web-based survey and data collection software.

CHIP Electronic Archive

Over the years, CHIP researchers have published many articles, made numerous presentations, and developed many interventions, manuals, and measures related to health behavior and health behavior change. In addition, each year, CHIP has sponsored bi-weekly talks during the Spring and Fall semesters by health behavior researchers from around the world. One of CHIP's goals has been to provide easy and ongoing access to this wealth of information and resources. Basically, this is being accomplished by creating the equivalent of an "Electronic Archive" in which all of

this information is moved onto an electronically searchable medium that can be accessed by students, researchers, and collaborators. To that end, CHIP has harnessed multiple mediums to disseminate different elements of this information: (1) UConn Library Digital Commons, (2) NIH's PubMed Central, (3) recently revised CHIP website with new sections dedicated to dissemination and implementation of CHIP interventions, (4) *CHIP Lecture Series* podcasts, available within the Apple iTunes Library, and (5) archives available on the CHIP website of the *CHIP Lecture Series* and more recent *Lecture Series* webcasts.

Server Virtualization Technology at CHIP

Within the past year, CHIP has made a substantial investment in virtualization technologies, specifically VMware's vSphere Virtual Infrastructure. With the purchase of multiple high-end servers and a centralized storage area network, physical servers can be consolidated into a highly available infrastructure without increasing demands for space, cooling, and power. Virtualization technology provides CHIP PIs with the opportunity to leverage cutting-edge information technology services to support research initiatives with custom-tailored application servers and data collection systems. It is clear that with the cost savings, the environmentally friendly aspects, and the ease of implementation, that server virtualization is a valuable addition to CHIP's current information technology services.

Innovations in Information Technology (IT) Systems

In the past few years, CHIP has made considerable investments in our information technology infrastructure to support CHIP and its technology-driven health behavior and health behavior change interventions. Through cutting-edge advancements in technology, we have bridged the gap between geographically-dispersed investigators, cohorts, and affiliates with innovations in video conferencing and collaborative tools. With server virtualization technology, we have the capability to host project-specific virtual servers, encouraging new and highly innovative online interventions with central data collection capabilities. Enhanced physical/logical security implementations protect our valuable research data, increase reliability for client/server-based interventions and data collection, and open the door to new interventions that may involve personal health information. CHIP strives to be a leader in information technology as it applies to the advancement of health behavior and health behavior change research.

U. New Website Design and Capabilities

For the past year, CHIP worked with Creative Services on the design of the new CHIP website. Brian Marofsky has assumed the role of Website Project Manager, and Keith Woodward is the Webmaster for the website. The new website was launched on June 7, 2010.

Some of its new features include:

- New design, colors, layout.
- New menu bar and quick links box to more easily navigate the site.
- "Share it" links to social media sites such as Facebook, Twitter, etc.
- New picture slide show to highlight the health domains in which CHIP performs research.
- Dynamic content to feature new and noteworthy CHIP information which will keep the home page fresh and current.
- Expanded CHIP Business Office pages to provide more comprehensive information (policies, forms, links, etc.) to our PI's, affiliates, students and staff.
- New Dissemination and Implementation (D&I) pages that feature health behavior change intervention materials created by CHIP PIs.

V. CHIP Physical Facility Update

Central to CHIP's impressive growth is the CHIP research facility at 2006 Hillside Road on the Storrs campus. Since taking occupancy of the facility in March 2003 and its renovated second floor in July 2007, CHIP investigators and administrative staff have worked to establish it as a highly productive site for multidisciplinary, collaborative

research in health behavior change. The resulting dramatic growth over the past few years has shown convincingly that having the ability to house investigators from multiple disciplines and their research teams in a single site greatly facilitates the evolution and the conduct of collaborative multi- and interdisciplinary research. Since moving into the facility seven years ago, CHIP investigators have competed successfully for \$51.9 million in total costs in new grants.

The current CHIP research facility has office space for 20 faculty, Ph.D.s, and post-docs, 10 research associates, up to 8 Center staff, 26 graduate student researchers, and 5 student workers who represent a variety of key disciplines, the vast majority of whom are funded by external grants. At CHIP, affiliated faculty, post-docs, graduate students, undergraduate students, CHIP staff members, and project-related support staff are accommodated and have access to critical research space. Often, CHIP-affiliated faculty are housed with their graduate students and grant-funded staff to conduct their research as a unit. In the CHIP research facility, faculty, post-docs, and students from Allied Health, Anthropology, Communication Sciences, Kinesiology, Nursing, Nutritional Sciences, Psychology, Sociology, and related fields work together on research projects, and apply for additional funding together. This includes many of the most productive researchers at the University, several of whom have consistently had external funding in excess of one million dollars per year. This enhanced multidisciplinary environment has vast benefits for UConn, resulting in improved research and additional funding opportunities, as well as unique opportunities for mentoring students and junior faculty.

A very substantial amount of funded research is conducted in the CHIP research facility, which has ten small interview cubicles for conducting research, a focus group room with 10 large overstuffed chairs to create a relaxing environment for participants, four meeting and presentation rooms that can also be used for research, and a small library for CHIP's health behavior change resources. The main first floor conference room where meetings and presentations are held is outfitted with multimedia presentation capability. On the second floor, there is a large University-operated, long-distance learning media classroom that can house about 60 people for the *CHIP Lecture Series*, and which can also be reserved for large research projects. The new Advanced Interactive Technology Center (AITC), which includes a Virtual Reality (VR) Laboratory (*described in Appendix 15 on pages 83-84*) and will become a major resource for CHIP and the University, is also housed on the second floor.

W. CHIP Advanced Interactive Technology Center (AITC)

The CHIP Advanced Interactive Technology Center (AITC) was established to provide researchers in the University of Connecticut community with access to high-end interactive technology. The Center's software, equipment, and personnel expertise can be utilized on a time-and-material cost basis to provide researchers with all of the capabilities without having to incur the entire costs of acquiring the equipment and expertise to effectively utilize it. The CHIP AITC offers services in animation, motion capture, interactive simulations, web-based interactives, virtual reality (VR), and other types of advanced interactive technology. Center staff can provide all the technical skills to create complete applications that serve a researcher's specific needs. The Center also has a full line of interactive equipment that researchers can use to run experiments utilizing the interactive content.

Interactive technology, including VR, has been demonstrated to be an effective tool for research. Researchers utilize VR to provide a rich medium for immersing subjects into complex environments for the purposes of testing their responses. This capability enables the researcher to place the participant in situations that would be cost prohibitive, socially unacceptable, dangerous, or even impossible in the real world. VR and other interactive applications extend the reach of the researcher in a cost effective and repeatable way. The situations that are simulated can be repeated with great control over key variables. This technology increases the experimental reach of the researcher while providing a tool for systematizing the delivery of stimulus to the participant and the acquisition of relevant data.

In order to continually provide excellent production and implementation services to the community, the Center hires students and nonacademic personnel, and trains them in the techniques involved. The AITC will grow the available talent at the University and will help to foster other projects in related fields. The Center seeks students with skills in animation, graphic arts, computer programming, dramatic arts and motion picture production, to name

a few. These students are drawn from all departments. *(For a full description of the AITC, see Appendix 15 on pages 83-84).*

X. Center for Health Communication and Marketing (CHCM)

The Center for Health Communication and Marketing (CHCM) is a Center within the Center for Health, Intervention, and Prevention (CHIP) at the University of Connecticut (UConn) in Storrs. Established in September 2005, CHCM is funded by a \$3.8 million federal grant from the Centers for Disease Control through September 2010. The grant was one of the first two in the nation to be awarded to establish a Center of Excellence in Health Communication and Health Marketing; a third was funded in 2006. CHCM is an example of how CHIP is able to foster and catalyze new research, expeditiously and efficiently organizing an interdisciplinary effort to respond to a request for proposals in a timely manner. *(For a full description of CHCM, see Appendix 14 on pages 75-82.)*

Y. CHIP Community Involvement

Through its health promotion intervention research trials, and the dissemination of its work in Connecticut, the United States, and places worldwide, CHIP research has helped to improve public health in communities near and far. In addition to promoting multidisciplinary scholarly research and its dissemination that affects critical health outcomes for individuals and community-level health, CHIP also is committed to being an active and involved member of the community in areas relevant to its mission. In the past year, CHIP has contributed to a number of community activities in the areas of HIV/AIDS and promotion of prevention and public health.

CHIP co-sponsored, with the Department of Athletics, Husky Sport, and other University entities, an observance of World AIDS Day, consisting of a week of events that brought awareness to the University community about the current worldwide state of HIV/AIDS. Numerous activities were held to raise funds for organizations in Africa serving families afflicted with HIV/AIDS. CHIP also co-sponsored “AIDS Science Day” with the Center for Interdisciplinary Research on AIDS (CIRA) at Yale University. This involved presentations by both scientists and members of the community on HIV and its consequences, treatment, and prevention.

Individual CHIP principal investigators also regularly make significant contributions to the community in ways that draw on their unique expertise. Seth Kalichman, a Psychology professor and CHIP PI, continues to donate royalties from his recent book on AIDS Denialism for the purchase of antiretroviral medications for individuals with HIV who cannot access them. Merrill Singer (serving as chair) and Pam Erickson, professors of Anthropology and CHIP PIs, were actively involved with a “National Public Health Week” initiative at UConn, which brought speakers, films, a career fair, and art competition to engage undergraduate students in building an understanding about public health and prevention in the broadest terms. Deborah McDonald, associate professor of Nursing and a CHIP PI, is serving as co-investigator on an unfunded study at Saint Francis Hospital and Medical Center addressing ways to improve pain outcomes for surgical patients who take opioids for their chronic pain. Amy Gorin, assistant professor of Psychology and a CHIP PI, is an active member of the Hartford Childhood Obesity Coalition, a working collaboration among community organizations, schools, local and regional government, advocacy groups, health care centers and practitioners, and researchers aimed at preventing and decreasing childhood obesity in Hartford. Stephanie Milan, an assistant professor of Psychology and a CHIP PI, serves as a member of the Connecticut Medicaid Managed Care Women’s Health Subcommittee, providing recommendations to the Medicaid council about evidence-based interventions to promote the health of low-income women and children. With the Community Health Center, Inc., Milan also serves as a consultant for building research infrastructure to enhance evidence-based clinical care for low-income patient populations in Connecticut and as a member of the organization’s community advisory board for adolescent health services. Many other CHIP faculty and graduate students have performed similar work to help the community.

In addition, in FY10, CHIP formed a new committee tasked with expanding the Center’s public engagement activities. In May 2010, members of the committee (CHIP Director Jeffrey Fisher, CHIP Associate Director Deborah Cornman, and CHIP administrative team members Susan Hoge, Jonathan Gill, Melissa Stone, Diane Willcutts, and Beth Krane) met with Matthew Farley, associate director of the University’s Office for Community Outreach to discuss additional

opportunities for leveraging CHIP researchers' unique expertise to benefit the University, local, state and northeastern U.S. communities as well as to build on existing CHIP public engagement activities through established research projects nationwide and overseas. Farley also discussed possible community partners for CHIP and the idea of creating a diversified portfolio of public engagement to reflect CHIP researchers and staff members' expertise and personal interests. Dr. Cornman is now serving as a CHIP representative and member of the UConn Public Engagement Forum.

Appendices

APPENDIX 1: New Externally-Funded Research Initiatives by CHIP PIs

K. Rivet Amico (CHIP) received a \$45,778 subcontract from National Institutes of Health (NIH)/National Institute of Allergy and Infectious Diseases (NIAID)/Family Health International entitled, “HPTN 067 Behavioral Aspects of PrEP Counseling for Intermittent Exposure.” HPTN 067 is an open label Pre-exposure Prophylaxis (PrEP) trial investigating the effects of antiretroviral medication regimen schedule on adherence to PrEP, as well as other important aspects of PrEP use, including risk compensation, forecasting of and planning for sexual events, and information, motivation, and behavioral skills for both PrEP and condom use. PrEP refers to an experimental HIV prevention strategy that uses antiretroviral medications to protect HIV-negative individuals from infection. This study involves men who have sex with men (MSMs) in Bangkok, Thailand, and heterosexual women in Cape Town, South Africa. As part of a multidisciplinary team involving physicians and psychologists, Dr. Amico serves as a lead behavioral scientist.

Anjana Bhat (Physical Therapy/Kinesiology) received a \$404,639 grant from NIH/National Institute of Mental Health (NIMH) entitled, “Robot Child Interactions as an Intervention Tool for Children with Autism.” The overall goal of this research is to develop novel intervention techniques for children diagnosed with low and high functioning Autism Spectrum Disorders (ASD). Specifically, the proposed project will examine the efficacy of robot child interactions for enhancing motor coordination and postural control impairments of children with ASD as well as improving their social communication skills. The multidisciplinary research team, including kinesiologists and psychologists, believes that robot-based social intervention is an uncharted, promising intervention tool for enhancing social communication and motor skills in children with ASD.

Deborah H. Cornman (CHIP) received a \$636,356 subcontract from NIH/National Institute of Child Health and Human Development (NICHD)/Yale University entitled, “Randomized Controlled Trial to Enhance Dual Protection among PLHIV in India.” The purpose of this collaborative project between Yale University, the University of Connecticut, and the Indian Network for People Living with HIV/AIDS (INP+) in India is to design, pilot test, and evaluate a theory-based, culturally-adapted, peer counselor-delivered intervention to assist married men and women living with HIV who are clients of INP+ in Tamil Nadu, India and who do not intend to initiate a pregnancy in the next two years, to adopt dual contraceptive methods (consistent condom use in combination with consistent use of another effective contraceptive method). If successful, this intervention will prevent unintended pregnancies, vertical transmission of HIV to infants, transmission of sexually transmitted infections (STIs), transmission of HIV to an HIV-negative partner, and transmission of drug-resistant strains of HIV between HIV-positive spouses. The intervention will be a culturally-adapted version of CHIP’s *Options* intervention, described in the Dissemination section of this report.

Deborah H. Cornman received a \$120,000 subcontract from the U.S. Centers for Disease Control and Prevention (CDC) /Center for the AIDS Programme of Research in South Africa (CAPRISA) entitled, “The RHIVA (Reducing HIV in Adolescents) Project.” The RHIVA Project aims to develop a school-based incentivized HIV prevention intervention and assess its impact on HIV incidence among 9th and 10th graders attending secondary schools in Vulindlela, South Africa in a randomized controlled trial. Secondary outcomes of the RHIVA project include school attendance, academic performance, sexual risk behaviors, HIV testing, and pregnancy. Both control and intervention schools will receive a standardized Department of Education 7-module curriculum that includes information about HIV and HIV prevention. In addition, students at the intervention schools will receive an enhanced, evidence-based HIV prevention component as well as various cash incentives for achieving one or more of 5 contingencies (i.e., school attendance, academic achievement, book reports, participation in extramural activities, and HIV testing). The overall aim of the project is to reduce HIV incidence, particularly among female adolescents, by using extrinsic rewards, support, and opportunities for success to increase students’ intrinsic motivation to adopt healthier life choices.

Deborah H. Cornman received a \$331,000 grant from U.S. Department of Defense (DoD)/ DoD HIV/AIDS Prevention Program (DPHAPP) entitled, “Prevention with Positives in Military Settings in Mozambique 2010.” The overall goal of this project is to work collaboratively with the Mozambique Armed Defense Forces (FADM), the U.S. Embassy, and DoD/DHAPP on the development, implementation, evaluation and wider dissemination of an evidence-based HIV risk reduction counseling program that reduces risky sexual behavior among HIV-POSITIVE soldiers and HIV-positive civilians who attend military clinics in Mozambique. The present proposal continues the work that was initiated in

2007 at Maputo Military Day Hospital and extended to Nampula Military Hospital in 2009, and it expands upon it to include 3 additional FADM healthcare facilities at Beira, Tete, and Chimoio. At the end of 2010, peer educators at 5 FADM healthcare facilities will have been trained in and will be implementing this HIV risk reduction counseling program as standard-of-care with HIV-positive patients. The long-term goal is to make this program available to healthcare facilities throughout FADM.

Amy Gorin (Psychology) received a \$75,596 subcontract from Aetna Foundation/Connecticut Children's Medical Center (CCMC) entitled, "Helping Children to Grow up Healthy: The Pediatrician's Role in Preventing Childhood Obesity." This project is testing the impact of brief motivational counseling delivered by pediatricians to mothers of 2- to 4-year-old Latino and African American children in Hartford on children's weight gain trajectories, eating behaviors, and physical activity habits. The intervention will take less than three minutes, so pediatricians will be able to deliver it within the context of regular medical visits. It also will use messages that can be culturally tailored and customized for each family for follow-through in the home environment. Dr. Gorin's collaborator and PI for the contracting grant is CHIP affiliate Dr. Michelle Cloutier (UCHC/Pediatrics).

Ofer Harel (Statistics) received a \$906,393 grant from NIH/NIMH entitled, "Dealing with Missing Data in HIV Prevention Trials." Dr. Harel's long-term goal is to develop new methodologies for advancing clinical and community AIDS behavioral research, leading to enhanced HIV prevention interventions. This application supports the mission of the NIMH by providing methodologies for conducting research with incomplete data sets. This grant is a K award or career development grant that brings Dr. Harel into the HIV/AIDS research arena. CHIP PI Seth Kalichman (Psychology) is Dr. Harel's mentor and is serving as co-investigator on the grant.

Seth Kalichman (Psychology) received a \$956,194 grant from NIH/National Institute on Alcohol Abuse and Alcoholism entitled, "Alcohol Beliefs and HIV Adherence." Successful treatment of HIV infection with antiretroviral medications requires persistent lifetime adherence, and alcohol is a known barrier to medication adherence. Less is known, however, about interruptions to treatment that result from beliefs that medications and alcohol should never be mixed. Believing that mixing alcohol with HIV treatments leads to adverse reactions can result in patients deliberately stopping their medications for extended periods of time. The proposed research uses innovative technologies to monitor adherence to prescribed medication regimens and to monitor alcohol consumption. The study will specifically answer the questions (a) "Do interactive toxicity beliefs impact HIV treatment non-adherence over and above quantity and frequency of alcohol use?," (b) "What are the origins, perceptions, and experiences that form the basis for interactive toxicity beliefs?," and (c) "How can interactive toxicity beliefs be addressed in interventions?"

Stephanie Milan (Psychology) received a \$426,914 grant from NIH/NICHD entitled, "The Cultural Context of Health Disparities in Adolescent Girls." Disparities in reproductive health and overweight/obesity are well-established by adolescence, with African American and Latina adolescent girls at greatest risk. The goal of this mixed-methods study is to identify ways that parents' culturally rooted ideas about gender may directly and indirectly influence specific health cognitions (e.g., attitudes, norms) and behaviors (e.g., unprotected sexual activity, limited physical activity) associated with these health outcomes among adolescent girls. Dr. Milan's multidisciplinary team includes psychologists and faculty from UConn's Department of Human Development and Family Studies.

Linda Pescatello (Kinesiology) received a \$225,568 subcontract from NIH/NIAAA/UCHC entitled, "Motivational Interventions for Exercise in Hazardous Drinking College Students." The purpose of this grant is to investigate exercise and contingency management as interventions to reduce hazardous drinking among college students. Dr. Pescatello's collaborator on this grant is CHIP Affiliate Dr. Jeremiah Weinstock (grant PI), a UCHC psychiatrist.

Linda Pescatello received a \$221,433 subcontract from NIH/National Heart, Lung and Blood Institute (NHLBI)/UCHC entitled, "Contingency Management for Promoting Weight Loss in University Students." The purpose of this grant is to evaluate the efficacy of a behavioral lifestyle and contingency management intervention to promote weight loss in overweight and obese university students. Dr. Pescatello is part of a multidisciplinary team lead by CHIP Affiliate Dr. Danielle Barry, a UCHC psychologist.

Linda Pescatello received a \$615,787 subcontract from NIH/National Institute on Drug Abuse (NIDA)/UCHC entitled, "Reinforcing Exercise in Cocaine Abusers." The purpose of this grant is to evaluate a contingency management intervention that reinforces participation in low intensity physical activity among cocaine abusers. Dr. Pescatello's collaborator on this grant is CHIP Affiliate Dr. Nancy Petry (grant PI), a UCHC psychiatrist.

Leslie Snyder (Communication Sciences) received a \$420,750 grant from NIH/National Cancer Institute (NCI) entitled, "Impact of Food Ads & PSAs on Child & Teen Eating & Obesity Across Media Markets." The aim of this study is to disentangle the contributions of television viewing, food advertising, and pro-nutrition public service announcements (PSAs) to children's and adolescents' food consumption and health outcomes, controlling for factors identified in the literature as potential moderators of food marketing effects. The study is examining these relationships using a novel approach – a multilevel analysis of differences in children's and adolescents' food consumption and health outcomes by the media markets in which they live, given that markets vary in the amounts of spending per capita on advertising for healthy and unhealthy foods and PSAs. Dr. Snyder's collaborator is CHIP Affiliate and Assistant Professor of Statistics, Cyr M'lan.

Jeff Volek (Kinesiology) received a \$73,302 grant from a large private corporation to conduct product testing research using a proprietary carbohydrate counting system. As part of the study, healthy men and women will come to the Human Performance Laboratory on 5 separate occasions and ingest varying levels of carbohydrate in the form of white bread in order to determine the 2 hour glucose area under the curve. Subjects will be invited back to the laboratory for subsequent testing where they will consume test food products, and the specialized carbohydrate count for each product will be extrapolated from the corresponding glucose area under the curve using the standard curve.

Jeff Volek received a \$165,092 grant from a large private corporation entitled, "Effect of a Hydrolyzed Whey Protein Fraction (NOP-47) on Vascular Function in Overweight Older Men and Women." The goal of this project is to determine the equivalent glycemic load (EGL) of various foods that have relatively low carbohydrate content. EGL is defined as the amount of available carbohydrate from white bread which raises blood glucose to the same extent as one serving of the food.

APPENDIX 2: New CHIP Grants Awarded FY10 (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	No. Yrs	Start Date	End Date	Agency	Title
Amico, K. Rivet	PSY	\$45,778	\$29,920	\$15,858	1	11/01/09	05/31/10	NIH/NIMH/FHI	HPTN 067 Behavioral Aspects of PrEP Counseling for Intermittent Exposure
Bhat, Anjana	PT/K	\$404,639	\$267,934	\$136,705	2	09/30/09	09/29/11	NIH/NIMH	Robot Child Interactions as an Intervention for Children with Autism
Cornman, Deborah	CH	\$331,000	\$262,699	\$68,301	3	07/01/10	06/30/13	DOD/DHAPP	Prevention with Positives in Military Settings in Mozambique 2010
Cornman, Deborah	CH	\$636,356	\$417,285	\$219,071	4	09/10/09	08/31/13	NIH/Yale	Randomized Controlled Trial to Enhance Reproductive Health of PLHIV in India
Cornman, Deborah	CH	\$120,000	\$96,005	\$23,995	1	11/01/09	10/31/10	CAPRISA	RHIVA Project
Gorin, Amy	PSY	\$75,596	\$65,735	\$9,861	2	02/01/10	12/31/12	Aetna Foundation/CCMC	Helping Children to Grow Up Healthy: The Pediatrician's Role in Preventing Childhood Obesity
Harel, Ofer	ST	\$906,393	\$839,253	\$67,140	5	04/09/10	03/31/15	NIH/NIMH	Dealing with Missing Data in HIV Prevention Trials
Kalichman, Seth C.	PSY	\$956,194	\$759,503	\$196,691	2	09/30/09	08/31/11	NIH/NIAAA	Alcohol Beliefs and HIV Adherence (RC1)
Milan, Stephanie	PSY	\$426,914	\$287,021	\$139,893	2	05/01/10	04/30/12	NIH/NICHD	The cultural context of health disparities in adolescent girls
Pescatello, Linda	K	\$225,568	\$147,825	\$77,743	1	07/20/09	05/31/10	NIH/NIAAA/UCHC	Motivational Intervention for Exercise in Hazardous Drinking College Students

APPENDIX 2: New CHIP Grants Awarded FY10 (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	No. Yrs	Start Date	End Date	Agency	Title
Pescatello, Linda	K	\$221,433	\$145,559	\$75,874	2	07/15/09	05/31/11	NIH/NIHLBI/UHC	Contingency Management for Promoting Weight Loss in University Students (R21)
Pescatello, Linda	K	\$615,787	\$403,168	\$212,619	5	09/30/09	08/31/14	NIH/NIDA/UC HC	Reinforcing Exercise in Cocaine Abusers
Snyder, Leslie B.	CS	\$366,053	\$239,250	\$126,803	2	02/01/10	12/31/11	NIH/NCI	Impact of Food Ads & PSAs on Child & Teen Eating & Adiposity Across Media Markets
Volek, Jeff	K	\$73,302	\$47,563	\$25,739	1	07/01/09	06/30/10	Private corporation	Product Testing using a proprietary carbohydrate measurement system
Volek, Jeff	K	\$165,092	\$123,495	\$41,597	1	03/01/10	12/25/10	Private corporation	Effect of a Hydrolyzed Whey Protein Fraction (NOP-47) on Vascular Function in Overweight Older Men and Women
TOTAL GRANTS AWARD	15	\$5,570,105	\$4,132,215	\$1,437,890					

Department:

AHS	Allied Health Sciences
AN	Anthropology
CH	CHIP
CS	Communication Sciences
HDF	Human Development & Family Studies
K	Kinesiology
N	Nursing
PS	Political Science
PT	Physical Therapy
PSY	Psychology
SO	Sociology
ST	Statistics

APPENDIX 3: CHIP Lecture Series 2009-10

<i>Date</i>	<i>Speaker</i>	<i>Title / Topic</i>
Date	Speaker	Title / Topic
09/17/09	Rick Zimmerman <i>Virginia Commonwealth University</i>	"Looking Back: Emerging Themes from HIV Prevention Work Thus Far"
09/24/09	Don Operario <i>Brown University</i>	"AIDS Orphans and Vulnerable Children in South Africa: Intergenerational Health Risks"
10/01/09	Marijn de Bruin <i>Wageningen University, Netherlands</i>	"How Care Provided to Intervention and Control Groups Impacts Adherence Behavior and Clinical Outcomes in HIV: A Meta-Analysis of Randomized Controlled Trials"
10/08/09	Colleen Redding <i>University of Rhode Island</i>	"Tailored Population-based Interventions to Improve Sexual Health"
10/15/09	Hart Blanton <i>University of Connecticut</i>	"Early Applications of Deviance Regulation Theory to Norms-Based Health Communications"
11/12/09	Carl Latkin <i>John Hopkins University</i>	"Social Network Approaches to HIV Prevention"
11/19/09	Jeremy Grimshaw <i>University of Ottawa</i>	"Building the Science of Knowledge Translation"
12/03/09	Nabilla El-Bassel <i>Columbia University</i>	"HIV among Drug Users in Kazakhstan: Driving Forces and Implications for HIV Prevention & Treatment"
12/10/09	Keith Bellizzi <i>University of Connecticut</i>	"The Cancer Survivorship and Aging Interface"
01/21/10	Ross Buck <i>University of Connecticut</i>	"Emotion and reason in safe sex communication and warning: Implications for the design of interventions"
02/04/10	Yifrah Kaminer <i>UConn Health Center</i>	"Youth High-Risk Behaviors from a Developmental Perspective: Barriers & Opportunities for Improved Intervention and Public Health Policies"
02/11/10	James Watt <i>University of Connecticut</i>	"Avatars, Anonymity and Social Connection: Implications for Health Games and Health Communication"
03/04/10	Ben Robins <i>University of Hertfordshire, UK</i>	"Robots as Therapeutic Toys: Encouraging Social Interaction Skills in Children with Autism"

<i>Date</i>	<i>Speaker</i>	<i>Title / Topic</i>
04/01/10	Jeff Kelly <i>CAIR, Medical College of Wisconsin</i>	"HIV Prevention Interventions to Reach Hidden and High-Risk Social Networks in the Community"
04/15/10	Udi Davidovich <i>GGD Amsterdam</i>	"Sexual Health and the Internet"
04/22/10	Abe Wandersman <i>University of South Carolina</i>	"Promoting Science-based Approaches: Bridging Research and Practice by Integrating Research to Practice Models and Community-Centered Models"
05/06/10	Jeanette Ickovics <i>Yale University</i>	"Building Bridges:" Community Interventions for Health"
05/20/10	Susan Kiene <i>Brown University</i>	"Health Behavior Change Interventions during Routine Outpatient Clinical Care in Uganda: HIV Counseling, Testing, and Family Planning Interventions"

***Following lectures were simulcast to CHIP by
Center for Interdisciplinary Research on AIDS (CIRA) at Yale University***

<i>Date</i>	<i>Speaker</i>	<i>Title / Topic</i>
01/28/10	Edward White <i>Yale University</i>	"The Epidemic of HIV Among Drug Injectors and Homosexually Active Men in St. Petersburg, Russian Federation"
02/25/10	Steven Goodreau <i>University of Washington</i>	"Biological and Demographic Causes of High HIV and STD Prevalence in Men Who Have Sex With Men"
03/25/10	Wafaie Fawzi <i>Harvard School of Public Health</i>	"Nutritional Interventions for Prevention and Management of Infectious Disease"

APPENDIX 4: CICATS PORT CORE

Summary of the Continued Development of the Connecticut Institute for Clinical and Translational Science (CICATS) Practice-Oriented Research Translation (PORT) Core July 2009 - June 2010

In FY10, CHIP researchers collaborated with several UConn/UHC-affiliated researchers and other centers and institutes to continue to develop the Practice-Oriented Research Translation Core: Strategic Community Engagement Alliance (PORT: SCEA). This work contributed to the existing Connecticut Institute for Clinical and Translational Science (CICATS) and the CICATS application for major National Institutes of Health (NIH) funding. The PORT: SCEA Core is charged with advancing both the science and the practice of dissemination and implementation (D&I) of UConn-developed, evidence-based health promotion and disease prevention innovations. The most recent iteration of the CICATS NIH application, which was submitted in October 2009, was rated very favorably and may be funded on the next submission.

CHIP is currently involved in the creation of a critical element of the PORT: SCEA Core called the Federated Dissemination and Implementation (D&I) Innovation Laboratory. The Federated D&I Innovation Laboratory will oversee the creation, implementation, and development of specific strategies designed to (a) incorporate a D&I focus into existing and new health-related research projects, (b) provide D&I support services and training, (c) strengthen and enhance the amount of D&I research underway at UConn, (d) contribute to more and better D&I activity, and (e) contribute to the science of D&I.

In the past year, CHIP's contribution to the PORT-based Federated D&I Innovation Laboratory included efforts to help build the infrastructure needed to support D&I practices across the University. A database of over 1,100 research projects was compiled in conjunction with the Office for Sponsored Programs and the UConn-Storrs Institutional Review Board and is being used to identify UConn-designed, health-focused innovations and interventions that may be available for dissemination. Two important synthesis resources—the D&I Expertise Compendium and D&I Grants Database—were created by CHIP in order to help researchers identify relevant D&I research tools and funding opportunities for their work. Finally, a Dissemination section was added to the new CHIP website in order to provide up-to-date, user-friendly information about CHIP-based research innovations. This section of the site went live in June 2010 and provides visitors with a brief synopsis of D&I resources for community stakeholders and researchers, and informational fact sheets about evidence-based health innovations available at CHIP. These additions to the CHIP website will help increase dissemination of CHIP-based innovations and will serve as a template for dissemination of other innovations across the University.

An additional key feature of CHIP's involvement in the CICATS has been the development of a pilot project to disseminate CHIP's *Options Project* in collaboration with the W. Montague Cobb Institute of the National Medical Association (NMA). Following successful completion of the pilot project, the partners will seek additional grant funding for a nationwide roll-out of *Options* to the NMA's full membership.

(This pilot project is described in greater detail in the section entitled "Dissemination of CHIP Interventions" on page 30.)

APPENDIX 5: CHIP Principal Investigators and Research Affiliates

Principal Investigators

K. Rivet Amico, Ph.D.
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Deborah H. Cornman, Ph.D.
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Robin Whittemore, Ph.D., APRN

Associate Professor of Nursing

APPENDIX 6: CHIP Business Office Functions and Responsibilities

Business Office Function	1 st Staff Member	2 nd Staff Member
Accounts Payable/Out-of-Pocket Reimbursements	Melissa Stone	Sarah Bothell
CHIP Annual Report	Beth Krane	Debbie Cornman
CHIP Seed Grant Budgets/Expenses	Sarah Bothell	Melissa Stone
CHIP Seed Grant Pre-Submission/Applications	Stacey Leeds	Diane Willcutts
Conference Room and Pod/Key/Equipment Sign-Out	Diane Willcutts	Sarah Bothell
Facilities – Report Problems at CHIP	Diane Willcutts	Melissa Stone
Facilities – New Space Requirements	Stacey Leeds	Jeffrey Fisher
Grant Management (Pre-Award & Post-Award)	Vasinee Long	Melissa Stone
Human Resources/Personnel (Faculty & Staff)	Susan Hoge	Deborah Cornman/ Jeffrey Fisher
Inventory on Loan/ACT-40s	Sarah Bothell	Melissa Stone
IT Management/Support	Jonathan Gill	Brian Marofsky
IT Purchasing Advice/Quotations	Brian Marofsky	Jonathan Gill
Keys	Susan Hoge	Sarah Bothell
Keycards (Proximity Cards)	Brian Marofsky	Jonathan Gill
Labor/Union Relations (Staff & Students)	Susan Hoge	Deborah Cornman/ Jeffrey Fisher
Lecture Series	Stacey Leeds	Diane Willcutts
LISTSERV Management	Stacey Leeds	Sarah Bothell
Mail Service	Diane Willcutts	Sarah Bothell
NETID Requests	Susan Hoge	Diane Willcutts
Parking Tags	Diane Willcutts	Susan Hoge
Participant Incentives/Cash Advances	Melissa Stone	Sarah Bothell
Payroll (Faculty, Staff, & Students)	Susan Hoge	Sarah Bothell
Personal Service Agreements (PSAs)	Melissa Stone	Vasinee Long
Purchasing – CHIP	Sarah Bothell	Melissa Stone
Purchasing – Grants	Melissa Stone	Sarah Bothell

Business Office Function	1st Staff Member	2nd Staff Member
Security	Stacey Leeds	Susan Hoge
Student Employment/Issues (Graduate Student, Student Labor, & Work Study)	Susan Hoge	Sarah Bothell
Telecommunications (Landlines, Cell Phones, & Blackberries)	Sarah Bothell	Melissa Stone
Travel – Authorizations and Reimbursements	Sarah Bothell	Melissa Stone
Website Administration/Management	Brian Marofsky	Keith Woodward

APPENDIX 7: Announcement of Grant Development Opportunities for CHIP Pls



To: CHIP Principal Investigators

From: Jeffrey D. Fisher, Ph.D., Director, Center for Health, Intervention, and Prevention

Date: 11/06/09

Re: **Grant Development Opportunities for CHIP Principal Investigators** (Individuals with external grants through CHIP or submitted through CHIP)

Established Pls with grants through CHIP may apply for funds to support new research development initiatives and pilot work that will lead to future external grant applications to be submitted through CHIP in the areas of health behavior change and health risk prevention.

Funds will be distributed based on the following criteria:

- Scientific merit of the research plan based on internal and/or external reviews
- Completed project's likelihood to elicit external funding
- Importance of the research question
- Extent to which the project is novel or innovative, especially proposals testing new methodologies and/or theories in need of pilot data
- Composition of the research team (preference will be given to interdisciplinary work)
- Relevance of the work to the mission of CHIP
- Extent to which the project demonstrates collaboration with community-based organizations may be a plus.
- Priority will be given to principal investigators who have one or fewer CHIP internal grants project underway at a time.

Funds from previous CHIP grants should be expended and/or closed out.

In addition, we will also consider where the PI is in his/her funding cycle (e.g., at the start of a large grant vs. at the end), and the track record of the PI in realizing outcomes (e.g., external grants) from his or her previous CHIP internal grants. All grant funds must be expended within two years of the award date. Unexpended funds will revert to CHIP.

Guidelines for Submission for Research Investment Development Funds

1. Applications must be for work that will assist markedly in the submission of new substantial, external grant applications, to be submitted through CHIP by a specified target date.
2. Applications should describe the scope of the work, its contribution to the field, and its potential interest to a particular funding agency. Applications should be modeled after the U. S. Department of Health and Human Services' PHS 398 (<http://grants1.nih.gov/grants/funding/phs398/phs398.html>) and include:
 - Face page.
 - Description of the work, performance sites, and key personnel.
 - Research grant table of contents.
 - Detailed budget (generally \$15,000 or less).
 - Biographical sketch of the investigator and other key personnel.
 - Research plan (maximum 10 pages, which can be single-spaced, not including reference list).

- a. Specific aims.
 - b. Background and significance.
 - c. Research design/method/data analysis.
 - d. Explanation of how this research will be used to acquire external funding (e.g., type of award, funding agency), and why this preliminary research assists the investigator's ability to receive external funding).
 - e. References.
- Pending protocol number from the Institutional Review Board. A copy of protocol and/or approval letter should be submitted before funds can be released.
- Appendices are not required nor encouraged, and should not be used to circumvent the
- 10-page maximum.
- Format: Times New Roman, font size 12, and 1-inch margins.
3. Include a line item budget for all costs involved, which should normally be for pilot research, staff, participant and travel costs, and costs associated with grant development and submission, and only infrequently for equipment.
4. Applications must be predominantly the work of the PI, and for the benefit of the PI's own research program. Applications written primarily by graduate students or others in the PI's name will not be considered.
5. Applications must be accompanied by a certification letter indicating that any external grant applications which derive from the seed grant research will be submitted through CHIP.
6. Send a brief letter of intent electronically by **December 7, 2009**, that includes an overview and estimated total project cost to **Stacey Leeds** at c.stacey.leeds@uconn.edu. Submit final applications electronically only by **January 11, 2010 to Stacey Leeds**.

Please contact Jeff Fisher at 860-486-4940 or at jeffrey.fisher@uconn.edu with any questions regarding this opportunity.

APPENDIX 8: Announcement of CHIP Seed Grant Competition for New Investigators



To: CHIP Affiliates
From: Jeffrey D. Fisher, Director, Center for Health, Intervention, and Prevention
Date: 11/06/09

Re: CHIP “Seed Grant” Development Opportunities

The Center for Health, Intervention, and Prevention (CHIP) will support new research development efforts and pilot work leading to future grant applications submitted through CHIP by the applicant. These grants are only open to CHIP Affiliates who have not previously received significant external funding in health behavior change. All grants funds must be expended within two years of the award date; unexpended funds will revert to CHIP.

Guidelines for Distribution of “Seed Grant” Funds

1. Applications for receipt of funds must be for work that will assist markedly in the submission of new, substantial, external grant applications by a specified target date and that will be submitted for external funding through CHIP.
2. Applications should describe the scope of the work, its contribution to the field, and the potential interest to a particular funding agency. Proposals should be modeled after the U. S. Department of Health and Human Services’ PHS 398 (<http://grants1.nih.gov/grants/funding/phs398/phs398.html>). Thus, proposals should include:
 - Face page.
 - Description of the work, performance sites, and key personnel.
 - Research grant table of contents.
 - Detailed budget (less than \$7,500).
 - Line item budget for all costs involved for pilot research, staff, participant and travel costs, and other costs associated with grant development and submission, and only infrequently for equipment.
 - Biographical sketch of the investigator and other key personnel.
 - Research plan (maximum 10 pages, not including reference list).
 - a. Specific aims.
 - b. Background and significance.
 - c. Research design/method/data analysis.
 - d. Explanation of how this research will be used to acquire external funding (e.g., type of award, funding agency) and why the preliminary research assists the PI’s ability to receive external funding.
 - e. References.
 - Pending protocol number from the Institutional Review Board. A copy of protocol and/or approval letter should be submitted before funds can be released.
 - Appendices are discouraged and should not be used to circumvent the 10-page description limit.
 - Format: Times New Roman, font size 12, can be single-spaced, and 1-inch margins.
 - Certification letter that any future external grant applications resulting from the pilot work will be submitted through CHIP.
3. Applications must be predominantly the work of a Principal Investigator (PI) and for the benefit of the PI’s research program. Applications written primarily by graduate students or others in the PI’s name will not be considered.

4. Send a brief letter of intent electronically by **December 7, 2009** with an overview of your project and a preliminary estimated total cost to **Stacey Leeds** at c.stacey.leeds@uconn.edu. Submit final application electronically only by January **11, 2010** to **Stacey Leeds**.

Priority for funding will be based on:

1. Scientific merit of the research plan.
2. Completed project's likelihood to elicit external funding.
3. Importance of the research question.
4. Extent to which the project is novel or innovative.
5. Composition of the research team (e.g., cross-disciplinary).
6. Principal Investigator has one or fewer CHIP internal grants underway at the time. Funds from previous CHIP internal grants should be expended and/or closed out.
7. Relevance to the mission of CHIP.
8. Extent to which the project demonstrates collaboration with community-based organizations may be a plus.

CHIP projects may be in any area of health behavior or health behavior change.

Please contact Jeff Fisher at 860-486-4940 or at jeffrey.fisher@uconn.edu with any questions regarding this opportunity.

APPENDIX 9: Announcement of Pilot Project Support for CHIP Graduate Students



To: CHIP Affiliates and Colleagues
From: Jeffrey D. Fisher, Ph.D., Director, Center for Health, Intervention, and Prevention
Date: 11/06/09

Re: Pilot Projects for Graduate Students in Health Intervention and Prevention Research

Deadlines

Letter of Intent: December 7, 2009
Application: January 12, 2009

Purpose

To conduct preliminary research in any health area related to the overarching goals of CHIP (i.e., to study the dynamics of health risk behavior and processes of health behavioral change in individuals and at-risk populations). Priority is given to promising research likely to develop into a larger study and garner external funding (e.g., an NRSA proposal through NIMH).

Eligibility

Graduate students of CHIP Affiliates or CHIP graduate student affiliates are invited to apply. *Students must be enrolled in a program leading to a research degree such as the Ph.D. at the University of Connecticut.*

Allowable Costs

Funds may be used to support routine research-related expenses (but not the investigator's salary) such as payment of participants, copying of research material (e.g., questionnaires, consent forms), specialized equipment (e.g., micro-cassette recorder/transcriber), or paying research assistants with specialized skills necessary for the proposed project (e.g., fluency in Spanish). Funds may *not* be used to support travel to conferences, routine office equipment (e.g., computers), or student tuition and/or fees.

Letter of Intent

Prior to submitting proposals, investigators should submit a letter of intent providing a descriptive title of the proposed project; a short abstract (maximum of 250 words); the research area (e.g., nutrition, communication, psychology); an estimated total cost for the project; and the name, phone number, e-mail address, and mailing address of the student investigator proposing the work and his/her CHIP-affiliated sponsor. Furthermore, the letter should include a statement by the student's adviser indicating that the adviser has read and approves of the proposal and will ensure high quality work by the student. Submit the letter of intent electronically by the above date to Stacey Leeds at c.stacey.leeds@uconn.edu. Final proposals must be submitted electronically by the above date to Stacey Leeds (paper copies will not be accepted).

Guidelines for Submission

Proposals should be modeled after the U. S. Department of Health and Human Services' PHS 398 (<http://grants1.nih.gov/grants/funding/phs398/phs398.html>). Proposals should include:

1. Face page.
2. Description of the work, performance sites, and key personnel.
3. Research grant table of contents.
4. Detailed budget (not to exceed \$1,500).
5. Biographical sketch of the student and other key personnel.
6. Research plan (maximum 5 pages, not including reference list):
 - a. Specific aims.
 - b. Background and significance.
 - c. Research design/method/data analysis.
 - d. Information on how this research will ultimately be used to acquire external funding (e.g., type of award such as NRSA proposal, and why this preliminary research assists the investigator's ability to receive external funding).
 - e. References.
7. Pending protocol number from the Institutional Review Board. A copy of protocol and/or approval letter should be submitted before funds can be released.
8. Format: Times New Roman or Courier, font size 12, can be single-spaced, and 1-inch margins, submitted electronically only.

Review Process

Graduate students who have not submitted proposals will be given an opportunity to participate in the review process. In this context, they will be mentored by faculty with prior reviewing experience. The review committee may be composed of the following individuals:

- Four CHIP graduate students (two with previous external grant funding and two without previous grant funding).
- Two CHIP-affiliated post-doctorates.
- Two CHIP PIs.

Funding will be awarded based on the:

- Scientific merit of the research plan.
- Completed project's likelihood to elicit external funding.
- Importance of the research question.
- Extent to which the project is novel or innovative, especially proposals that test new methodologies and/or theories in need of pilot data.
- Composition of the research team (e.g., interdisciplinary).
- Relevance to the mission of CHIP.

Please contact Jeff Fisher at 860-486-4940 or at jeffrey.fisher@uconn.edu with any questions regarding this opportunity.

APPENDIX 10: Announcement of CHIP Grant Development Stipends



To: CHIP Affiliates
From: Jeff Fisher, Director, Center for Health, Intervention, and Prevention
Date: 11/06/09

Re: CHIP Grant Development Stipend Competition

CHIP would like to offer summer stipends to junior faculty who are CHIP affiliates to assist them with writing successful grant applications in health behavior change. We are seeking applications from CHIP-affiliated junior faculty to compete for the stipend. Applications should describe the focus of the grant application to be written, how it contributes to the literature, the type of grant (R21, R01), the agency, any funding mechanism under which the grant will be submitted. Applications should also specify, in some detail, the work you will do on the grant during the period covered by the CHIP stipend. ***Applications should contain, in brief form, the content of sections A-D of typical NIMH grant applications and should not exceed five single-spaced pages with NIMH margins.*** Evidence that the funding agency is interested in the area under study will be helpful.

Applications for this stipend will be reviewed by a CHIP internal grants committee, by NIMH grant review rules. We propose to fund one or two successful applicants for the 2010 summer, at \$5000 each, to be paid to successful applicants as a stipend when the grant application is submitted to an external funding agency.

While the grant is being prepared, CHIP will mentor the grant writer and will also send the proposal, before it is submitted to the funder, for external review by the major experts in the field. We may also send the proposal to program officials at NIH for feedback. All feedback can be incorporated in the final external grant application.

Those selected for the CHIP Grant Development Stipend cannot do summer teaching in 2009 during the period of the stipend.

Send a brief letter of intent electronically by **December 7, 2009** to **Stacey Leeds** at c.stacey.leeds@uconn.edu. The final application is due electronically only by **January 11, 2010 by midnight**. Please include a current curriculum vitae and recommendation from a corresponding University department.

Please contact Jeff Fisher at 860-486-4940 or at jeffrey.fisher@uconn.edu with any questions regarding this opportunity.

APPENDIX 11: Announcement for CHIP Conference Development Grant



To: CHIP Affiliates
From: Jeff Fisher, Director, Center for Health, Intervention, and Prevention
Date: 11/06/09

Re: Conference Development Grant

CHIP requests proposals for conferences that could be convened for the purpose of stimulating innovative, multidisciplinary and/or multi-institutional collaboration in research related to CHIP's mission. Funds are available for one and possibly two small conferences to invite key national and international researchers to CHIP and the University of Connecticut to share recent work in new, under-explored areas, or at the intersection of disciplines. Conference topics and/or themes should lead to new, multidisciplinary and/or multi-institutional project development, as well as to new scholarship in the area of health behavior change. Conferences should lead ultimately to new grant applications submitted through CHIP.

Guidelines for Submission of Conference Development Grants:

1. Applications for conference development funds should demonstrate how the conference may lead to significant new research collaboration and scholarship relevant to CHIP's mission.
2. The topic of the conference, key participants and research questions to be explored, contribution of the meeting to field (or fields) of interest, scholarship goals, and potential for new collaborative endeavors should be described in the application. Proposals should be no more than ten pages, which can be single-spaced (not including references). Please indicate conference organizers, keynote speakers, number of invitees, anticipated attendance, prospective dates for the meeting, partnering institutions, and other funding sources being pursued.
3. There should be a line item budget for all costs involved, which should be for organizational costs, travel, and costs associated with conference planning, development, and implementation. Please note that preference will be given for funding proposals which involve cost sharing with other individuals or entities (i.e., CHIP pays only part of the cost of the conference, which has received commitments of support from others as well.). Normally, CHIP's contribution will be \$2,500 or less.
4. Include with your proposal the names of two external reviewers (from outside University of Connecticut) and two internal reviewers (at University of Connecticut) whose expertise would be relevant to review your proposal. Only one internal reviewer may be affiliated with CHIP.
5. Send a brief letter of intent electronically that includes a total cost estimate by **December 7, 2009** to Stacey Leeds at c.stacey.leeds@uconn.edu. Submit applications electronically to Stacey Leeds by **January 11, 2010**.

Please contact Jeff Fisher at 860-486-4940 or at jeffrey.fisher@uconn.edu with any questions regarding this opportunity.

APPENDIX 12: Announcement of Reviews to Help with Grant Development



To: CHIP Affiliates

From: Jeff Fisher, Director, Center for Health, Intervention, and Prevention

Date: 11/06/09

Re: Pre-Submission Grant Review (for individuals planning to submit external grants through CHIP)

I am pleased to announce an opportunity for research development support through CHIP. Investigators in the process of preparing grant proposals for submission to external funding agencies may apply to CHIP for an internal review by one or more experienced CHIP investigators prior to submission of the grant.

If CHIP does not have expertise “in house,” you may suggest experts who could provide a helpful review (e.g., former members of an NIMH review panel). CHIP will pay an honorarium to them for their review. This provides investigators with the opportunity to have their proposal reviewed by CHIP investigators or others with extensive experience in successful grant writing and grant review for federal agencies or other large funding entities.

In addition to reviews of content, CHIP will also arrange for reviews of statistics or methodology if deemed critical to the success of a grant proposal.

Guidelines for Application to CHIP for Internal Review of Proposals

1. Individuals wishing to apply for internal review of an external grant proposal should contact the Director of CHIP by letter or email at least 2 months prior to the submission date for the grant. This gives the Director time to select, notify, and obtain consent and a review from qualified reviewers.

The letter should be accompanied by an abstract, and a brief description of the project that addresses the scope of the work, its anticipated contribution to the field, and its interest to a particular funding agency. The letter should also indicate key personnel and collaborators on the grant.

2. Proposals being submitted to CHIP for external review should be more or less completely written and in the final format required by the funding agency prior to CHIP sending them out for external review. Grants for external review should be sent at least a month before the submission deadline so the reviewer’s comments can be incorporated into the final grant application.
3. Please include with your request, the names and contact information of two internal reviewers at CHIP and possibly two external reviewers (outside of CHIP) whose expertise would be relevant to review your proposal.

Please contact Jeff Fisher at 860-486-4940 or at jeffrey.fisher@uconn.edu with any questions regarding this opportunity.

APPENDIX 13: CHIP Active and Awarded Grants (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	FY10 Total Costs Awarded	No. Yrs in Project	Start Date	End Date	Agency	Title
Amico, K. Rivet	PSY	\$99,872	\$23,403	\$12,404	\$35,807	3	09/08/08	06/30/11	NIH/NIMH Univ. of Mississippi	Multidimensional HIV Treatment Adherence Intervention
Amico, K. Rivet	PSY	\$45,778	\$29,920	\$15,858	\$45,778	1	11/01/09	05/31/10	NIH/NIMH/FHI	HPTN 067 Behavioral Aspects of PrEP Counseling for Intermittent Exposure
Bhat, Anjana	PT/K	\$404,639	\$137,061	\$67,342	\$204,403	2	09/30/09	09/29/11	NIH/NIMH	Robot Child Interactions as an Intervention for Children with Autism
Broadhead, Robert S.	SO	\$624,622	\$0	\$0	\$0	5	09/01/04	08/31/09	NIH/NIDA	Global Expansion of Peer-Driven Interventions K02 DA17615
Copenhaver, Michael M.	AHS	\$2,316,748	\$343,519	\$153,645	\$497,164	5	09/30/06	05/31/11	NIH/NIDA	Testing a Community-Friendly Risk Reduction Intervention for Injection Drug Users 1R01DA022122-01A1
Copenhaver, Michael M.	AHS	\$125,736	\$15,626	\$8,282	\$23,908	5	09/01/08	08/31/13	NIH/NIDA/Yale	Adapting HHRP for Positive Transitions (PT) in Malaysia
Cornman, Deborah H.	CH	\$350,000	\$0	\$0	\$0	2	12/01/07	11/30/09	DOD/DHAPP	Increasing ARV Adherence in a Military Setting in Uganda N68171-06-0012
Cornman, Deborah H.	CH	\$300,000	\$0	\$0	\$0	2	12/01/07	11/30/09	DOD/DHAPP	Prevention for Positives in a Military Setting in Mozambique N68171-06-0012

APPENDIX 13: CHIP Active and Awarded Grants (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	FY10 Total Costs Awarded	No. Yrs in Project	Start Date	End Date	Agency	Title
Cornman, Deborah H.	CH	\$100,000	\$0	\$0	\$0	2	12/01/08	04/30/10	DOD/DHAPP	Expanded ARV Adherence Program and Prevention-with-Positives Program in UGANDA 2008-2009
Cornman, Deborah H.	CH	\$150,000	\$0	\$0	\$0	2	12/01/08	06/30/10	DOD/DHAPP	Prevention with Positives in Mozambique 2008-09
Cornman, Deborah H.	CH	\$331,000	\$0	\$0	\$0	3	7/01/10	06/30/13	DOD/DHAPP	Prevention with Positives in Military Settings in Mozambique 2010
Cornman, Deborah H.	CH	\$425,000	\$0	\$0	\$0	2	04/01/09	03/31/11	DOD/DHAPP	ARV Adherence and Prevention with Positives in Military Settings in Ethiopia
Cornman, Deborah H.	CH	\$115,509	\$26,132	\$13,850	\$39,982	3	09/01/08	08/31/11	CDC/Family Planning Council	Family Planning & Preconception HIV Testing
Cornman, Deborah H.	CH	\$636,356	\$112,000	\$57,269	\$169,269	4	09/10/09	08/31/13	NIH/Yale	Randomized Controlled Trial to Enhance Reproductive Health of PLHIV in India
Cornman, Deborah H.	CH	\$120,000	\$96,005	\$23,995	\$120,000	1	11/01/09	10/31/10	CAPRISA	RHIVA Project
Fisher, Jeffrey	PSY	\$6,413,577	\$1,315,068	\$215,982	\$1,531,050	5	01/11/07	12/31/11	NIH/NIMH	Integrating HIV Prevention into Clinical Care for PLWHA in South Africa 1R01MH077524-01A1
Gorin, Amy	PSY	\$317,100	\$0	\$0	\$0	2	08/27/07	04/30/10	NHLBI	Modifying obesogenic homes: Impact on weight maintenance (LEAP)

APPENDIX 13: CHIP Active and Awarded Grants (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	FY10 Total Costs Awarded	No. Yrs in Project	Start Date	End Date	Agency	Title
Gorin, Amy	PSY	\$75,596	\$28,057	\$4,209	\$32,266	2	02/01/10	12/31/12	Aetna Foundation/CCMC	Helping Children to Grow Up Healthy: The Pediatrician's Role in Preventing Childhood Obesity
Harel, Ofer	ST	\$906,393	\$164,965	\$13,197	\$178,162	5	04/09/10	03/31/15	NIH/NIMH	Dealing with Missing Data in HIV Prevention Trials
Johnson, Blair T.	PSY	\$2,796,137	\$398,861	\$145,979	\$544,840	5	01/01/09	12/31/13	NIH/NIMH	Syntheses of HIV Risk Reduction, Phase III
Kalichman, Seth C.	PSY	\$2,777,473	\$0	\$0	\$0	5	04/01/05	03/31/10	NIH/NIMH	HIV Treatment Adherence/Risk Reduction Integrated (R01 MH071164)
Kalichman, Seth C.	PSY	\$2,658,014	\$407,690	\$127,948	\$535,638	5	09/04/05	08/31/10	NIH/NIMH	Brief HIV Prevention Counseling in South Africa (Multisite)
Kalichman, Seth C.	PSY	\$183,761	\$0	\$0	\$0	3	4/1/07	3/31/10	NIH/NIMH	Treatment Adherence HIV Treatment Adherence/Risk Reduction Integrated (Supplement)
Kalichman, Seth C.	PSY	\$2,960,702	\$484,444	\$90,345	\$574,789	5	09/30/07	08/30/12	NIH/NIAAA	Multilevel Alcohol-HIV/AIDS Prevention in South Africa
Kalichman, Seth C.	PSY	\$2,652,359	\$426,068	\$96,948	\$523,016	5	12/01/07	11/30/12	NIH/NIMH	HIV/AIDS Treatment Adherence Intervention for People with Poor Reading Literacy Skills
Kalichman, Seth C.	PSY	\$2,977,426	\$511,513	\$57,235	\$568,748	5	09/30/08	08/31/13	NIH/NIAAA	Alcohol-Related HIV Risks among South African Women

APPENDIX 13: CHIP Active and Awarded Grants (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	FY10 Total Costs Awarded	No. Yrs in Project	Start Date	End Date	Agency	Title
Kalichman, Seth C.	PSY	\$956,194	\$366,596	\$94,535	\$461,131	2	09/30/09	08/31/11	NIH/NIAAA	Alcohol Beliefs and HIV Adherence (RC1)
Kraemer, William	K	\$162,600	\$0	\$0	\$0	2	12/01/07	09/30/10	US Army	Maximizing the Osteogenic Properties of Plyometric Exercise to Induce Optimal Structural Adaptations in Bone and Muscle: Effects on Endocrine and Cellular Controls
Maresh, Carl	K	\$166,088	\$0	\$0	\$0	4	06/01/05	09/30/10	Danisco USA Inc	Betaine Study II: Study of Mechanisms in Skeletal Muscle
Marsh, Kerry L.	PSY	\$2,789,655	\$337,259	\$96,599	\$433,858	5	03/01/08	02/28/13	NIH	Implicit Attitudes and HIV Risk Behavior in Virtual Environment 1R01MH78738-01A2
Milan, Stephanie	PSY	\$426,914	\$156,128	\$79,568	\$235,696	2	05/1/10	04/30/12	NIH/NICHD	The Cultural Context of Health Disparities in Adolescent Girls
Neafsey, Patricia	N	\$1,011,292	\$0	\$0	\$0	3	09/15/05	06/30/10	NIH	Reducing Adverse Self-Med Behaviors in Older Adults R01 HL084208
Park, Crystal	PSY	\$247,500	\$75,000	\$7,500	\$82,500	3	01/01/09	12/31/11	LAF	Advances in Assessment of Late Adolescent and Young Adult Cancer Survivors' QOL
Pescatello, Linda	K	\$263,661	\$45,502	\$24,116	\$69,618	4	06/01/07	05/31/11	NHLBI/Hartford Hospital	The Effect of Statins on Skeletal Muscle Function

APPENDIX 13: CHIP Active and Awarded Grants (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	FY10 Total Costs Awarded	No. Yrs in Project	Start Date	End Date	Agency	Title
Pescatello, Linda	K	\$175,952	\$27,421	\$14,531	\$41,952	4	07/01/08	06/30/12	NIH/UCHC	Healthy Activities for Prize Incentives (HAPI)
Pescatello, Linda	K	\$24,317	\$11,626	\$6,084	\$17,710	1	08/01/08	11/30/09	NIH/UCHC	ARC Pilot Study (ARC)
Pescatello, Linda	K	\$225,568	\$72,469	\$37,804	\$110,273	1	7/20/09	5/31/10	NIH/NIAAA/UCHC	Motivational Intervention for Exercise in Hazardous Drinking College Students
Pescatello, Linda	K	\$221,433	\$73,959	\$37,926	\$111,885	2	07/15/09	05/31/11	NIH/NIHLBI/UCHC	Contingency Management for Promoting Weight Loss in University Students (R21)
Pescatello, Linda	K	\$615,787	\$60,344	\$30,922	\$91,266	5	09/30/09	08/31/14	NIH/NIDA/UCHC	Reinforcing Exercise in Cocaine Abusers
Simbayi, Leickness	PS	\$152,000	\$50,000	\$26,000	\$76,000	2	07/03/08	08/30/10	NIH/NIMH	HIV Behavioral Disinbition Risk Reduction for Recently Circumcised South African Men
Singer, Merrill	AN	\$63,070	\$5,889	\$3,121	\$9,010	5	09/01/08	06/30/13	NIH/Yale	Center for Interdisciplinary Research on AIDS (CIRA)
Synder, Leslie B.	CS	\$2,566,201	\$0	\$0	\$0	5	09/30/05	09/29/10	CDC	Center of Excellence for Health Communication & Marketing-Core/ICR
Synder, Leslie B.	CS	\$1,326,192	\$0	\$0	\$0	5	09/30/05	09/29/10	CDC	HIV Prevention Video Game for Urban Minority for Emerging Adults
Synder, Leslie B.	CS	\$366,053	\$130,500	\$69,165	\$199,665	2	02/01/10	12/31/11	NIH/NCI	Impact of Food Ads & PSAs on Child & Teen Eating & Adiposity Across Media Markets

APPENDIX 13: CHIP Active and Awarded Grants (July 1, 2009 – May 15, 2010)

Principal Investigator	Dept	Total Costs Awarded	FY10 Direct Costs Awarded	FY10 Indirect Costs Awarded	FY10 Total Costs Awarded	No. Yrs in Project	Start Date	End Date	Agency	Title
Volek, Jeff	K	\$851,649	\$0	\$0	\$0	3	10/01/07	11/30/10	Private corporation	Investigation of Whey Protein Supplementation for Physiologic Enhancement to Resistance Training and Dietary Regimes in Young Adults
Volek, Jeff	K	\$73,302	\$47,563	\$25,739	\$73,302	1	07/1/09	06/30/10	Private corporation	Product Testing using a Proprietary Carbohydrate Measurement System.
Volek, Jeff	K	\$165,092	\$123,495	\$41,597	\$165,092	1	03/01/10	12/25/10	Private corporation	Effect of a Hydrolyzed Whey Protein Fraction (NOP-47) on Vascular Function in Overweight Older Men and Women
TOTAL ACTIVE GRANTS AWARDED	48	\$43,714,319	\$6,104,083	\$1,699,695	\$7,803,778					

Department:

AHS	Allied Health Sciences	PSY	Psychology
AN	Anthropology	SO	Sociology
CH	CHIP	ST	Statistics
CS	Communication Sciences		
HDF	Human Development & Family Studies		
K	Kinesiology		
N	Nursing		
PT	Physical Therapy		
PS	Political Science		

APPENDIX 14: Center for Health Communication Marketing (CHCM)

Mission

CHCM's mission is to conduct cutting edge research for informing the design and dissemination of health communication and marketing interventions and practices. The Center focuses on the relationships between at-risk populations and their contexts, communication strategies, messages, and behavior change. An overarching goal is to understand what types of interventions work best in which situations. CHCM builds on expertise in health, communication, persuasion, diffusion, behavior change theory, psychology, research methods, and evaluation. CHCM projects include the design, implementation, evaluation, and dissemination of successful health interventions for at-risk populations across a range of health issues, systematic research synthesis of the effectiveness of prior health communication approaches, and monitoring of health communication practices. In addition, the Center meets one of the U.S. Department of Health and Human Services "Healthy People 2010" goals, which aim to increase the quality and years of healthy life.

Aims of the Center

- Advance basic theoretical understanding of health communication and marketing and its role in health behavior change, decision-making, and reactions to emergencies among people in diverse cultures, organizations, and policy contexts.
- Develop new understanding about the interrelationships between at-risk populations, communication strategies, messages, and behavior that can directly inform the design of health communication and marketing interventions.
- Build a knowledge base of comparative intervention approaches.
- Monitor existing health communication and marketing practices that may impede or improve health.
- Produce innovative, theoretically-driven, evidence-based health communication and social marketing interventions.
- Improve theory and practice of dissemination and translation of theory- and evidence-based interventions for different types of health-promoting organizations and diverse communities.
- Actively disseminate successful evidence-based interventions and public health practices.
- Support interdisciplinary collaborations resulting in new research proposals, innovative interventions, and significant advances in theory and methods.
- Host a website featuring a database of successful interventions, research on monitoring of existing health communication and marketing practices, notices of conferences and lecture series, and grant opportunities.
- Forge relationships with a wide range of organizations including the State Public Health Department, health and communication-related businesses, health delivery organizations, community-based organizations, and health-oriented foundations.

CHCM Organizational Structure

CHCM's formal organizational structure consists of the Principal Investigator, Executive Committee, Scientific Advisory Board, External Advisory Board of Professionals, and a Research Affiliate Committee. Administratively, CHCM is managed by the Administrative Core Director, the Associate Director, and the Executive Committee.

The **Administrative Core** is responsible for program coordination, administration, monitoring and evaluation of CHCM. The management style and organizational structure focus attention on the role of health communication and marketing theories and methods, and enhance existing intervention research at UConn and collaborating institutions. The administrative core facilitates and fosters interdisciplinary collaboration and individual initiative in a

climate of productivity and creativity, and provides a nurturing environment for junior researchers and students. There are two external boards of advisors: one consists of professionals in health, communication, and technology from state, non-profit, and for-profit entities, and the other includes researchers from academic and consulting organizations.

CHCM Executive Committee Members (located at UConn unless otherwise indicated):

Dr. Leslie Snyder, Director, CHCM; Professor, Communication Sciences
Dr. Jeffrey Fisher, Director, CHIP; Board of Trustees Distinguished Professor of Psychology
Dr. Robert Broadhead, Professor, Sociology
Dr. Pamela Erickson, Professor, Anthropology
Dr. Blair Johnson, Professor, Psychology
Dr. Seth Kalichman, Professor, Psychology
Dr. Carolyn Lin, Professor, Communication Sciences
Dr. Rafael Perez-Escamilla, Professor, Yale
Dr. Jean Schensul, Senior Scientist, Institute for Community Research, Hartford, CT

CHCM Scientific Advisory Board Members:

Dr. Frank Biocca, Ameritech Professor, Telecom Inf Std MD Communication, Michigan State University
Dr. Jane Brown, Professor, Journalism/Mass Communication, University of North Carolina
Dr. Linda Degutis, Director, Yale Center for Public Health, Yale University
Dr. William deJong, Coordinator of Doctoral Education, Social & Behavioral Sciences, Boston University
Dr. Timothy Edgar, Graduate Program Director, Health Communications, Emerson College
Dr. Robert Hornik, Annenberg School for Communication, University of Pennsylvania
Dr. Eileen Berlin Ray, Professor and Director, Communications Mgmt. Div., Cleveland State University
Dr. Michael Slater, Professor, School of Communication, The Ohio State University
Dr. William Smith, Director, Social Change Group, Academy for Educational Development
Dr. Kasisomayajula Viswanath, Associate Professor, Dana Farber Cancer Institute and School of Public Health, Harvard University

CHCM External Board of Professionals:

Mr. Danny Briere, President, MBlast & Telechoice
Ms. Deborah Crane, Community Programs Director, Generations Family Health Center, Inc.
Dr. J. Robert Galvin, Commissioner, State of Connecticut Department of Public Health
Mr. William Gerrish, Director, Office of Communications, State of CT Department of Public Health
Mr. Philip Swayze, Researcher and Writer (*HealthCare Directions*), BCBS of Rhode Island
Mr. Dwayne Proctor, Senior Communications Officer, Robert Wood Johnson Foundation
Dr. Marion Ball, IBM – Global Leadership Initiative, Center for Healthcare Management
Mr. Glen Orkin, Motion, Inc.

The **Scientific Core** brings together a multi-disciplinary group of scholars in a structured way to advance theory and methods of research in health communication and marketing. The scientific core contributes to the field by identifying research priorities in the discipline, conducting original descriptive research to monitor the current state of research practice and disseminate successful interventions. This group explores ways in which to develop techniques to monitor the amount, approach, and substance of health communication by community-based and non-profit organizations, health delivery organizations, and the world-wide web. The scientific core, comprised of senior investigators and specialists, is organized into six groups for addressing specific areas of concern: (1) Research Methods, (2) Meta-Analyses, (3) Behavior Change Theory and Message Design, (4) Information Technology, (5) Communication Strategy, and (6) At-Risk Populations and Health Care. Each group consists of researchers from a variety of disciplines, theoretical approaches, and health foci. Individuals in the groups are from UConn unless otherwise indicated.

Research Methods Core Group:

K. Rivet Amico, CHIP

Dipak Dey, Professor and Chair, Statistics

Pamela I. Erickson, Associate Professor, Anthropology

David A. Kenny, Distinguished Professor, Psychology

Leslie Snyder, CHCM Director and Professor, Communication Sciences

Meta-Analysis Core Group:

Dipak Dey, Professor and Chair, Statistics

Blair T. Johnson, Core Area Leader, Professor, Psychology

Leslie B. Snyder, CHCM Director and Professor, Communication Sciences

Behavior Change Theory and Message Design Core Group:

Jeffrey D. Fisher, Core Area Leader, CHIP Director, Board of Trustees Distinguished Professor of Psychology

Ross Buck, Professor, Communication Sciences

Michael M. Copenhaver, Assistant Professor, Allied Health Sciences

Blair T. Johnson, Professor, Psychology

Kerry L. Marsh, Associate Professor, Psychology & Greater Hartford Campus

Leslie B. Snyder, CHCM Director and Professor, Communication Sciences

Communication Strategy Core Group:

Leslie Snyder, Core Area Leader, Professor, Communication Sciences

Thomas Babor, Professor and Chair, Community Medicine, UConn Medical Center

Robert Broadhead, Professor, Sociology

Seth C. Kalichman, Professor, Psychology

Carolyn Lin, Professor, Communication Sciences

Rafael Pérez-Escamilla, Associate Professor, Nutritional Sciences, College of Agriculture and Natural Resources

Jean J. Schensul, Senior Scientist, Founding Director, Institute for Community Research, Hartford, CT

Narasimhan Srinivasan, Associate Professor, Marketing, School of Business

Art Vanlear, Associate Professor, Communication Sciences

At-Risk Populations and Health Care Core Group:

Rafael Pérez-Escamilla, Core Area Leader, Associate Professor, Nutritional Sciences

Pamela I. Erickson, Associate Professor, Anthropology

Patricia J. Neafsey, Professor, Pharmacology, School of Nursing

Linda S. Pescatello, Professor, Kinesiology

Juan Salazar, Assistant Professor, Pediatrics, UConn Medical Center

Jean J. Schensul, Senior Scientist and Founding Director, Institute for Community Research, Hartford, CT

Eileen Storey, MD, MPH, Professor Emerita, Division of Occupational and Environmental Medicine, UConn Medical Center

Information Technology Core Group:

Carolyn Lin, Core Area Leader, Professor, Communication Sciences

Kirstie Cope-Farrar, Assistant Professor, Communication Sciences

Thomas W. Miller, Professor, Psychiatry/College of Medicine, University of Kentucky

Patricia J. Neafsey, Professor, School of Nursing

The **Research Affiliates** of CHCM collaborate on research, attend talks and seminars, and respond to internal and external requests for proposals.

CHCM Research Affiliates (located at UConn unless otherwise indicated)

Dr. Tom Babor, Professor and Chair, Community Medicine, UCHC

Dr. Susan Beeman, Program Director, Center for Public Health & Health Policy

Dr. Robert Broadhead, Professor, Sociology

Dr. Ross Buck, Professor and Chair, Communication Sciences

Dr. Kirstie Cope-Farrar, Assistant Professor, Communication Sciences

Dr. Deborah H. Cornman, Associate Director, CHIP, Associate Research Scientist

Dr. Dipak Dey, Professor and Head, Statistics

Dr. Sarah Diamond, Research Associate, Institute for Community Research

Dr. Pamela Erickson, Professor, Department of Anthropology

Ms. Nilda Fernandez, Community Health, Family Social Work, School of Medicine, UCHC

Dr. Ann Ferris, Professor, Nutritional Sciences

Dr. Jeffrey Fisher, Director, CHIP, Distinguished Professor of Psychology

Mr. William Gerrish, Director, Office of Communications, State of CT Department of Public Health

Mr. Randall Hoyt, Assistant Professor, Visual Communication Design, School of Fine Arts

Dr. Blair Johnson, Professor, Psychology

Dr. Seth Kalichman, Professor, Psychology

Dr. David Kenny, Professor, Psychology

Dr. Jeffrey Kramer, Director, Center for Health Care and Insurance Studies, School of Business

Dr. Sheryl LaCoursiere, Post-Doctoral Fellow, School of Nursing, Yale University

Dr. Anthony Lemieux, Assistant Professor, School of Natural and Social Sciences, SUNY/Purchase

Dr. Carolyn Lin, Professor, Communication Sciences

Dr. Kerry Marsh, Associate Professor, CHIP/Psychology

Dr. Deborah McDonald, Professor, School of Nursing

Dr. Thomas Miller, Professor Emeritus, Dept. of Psychiatry, College of Medicine, University of Kentucky

Dr. Patricia Neafsey, Professor, School of Nursing (Pharmacology)

Dr. Ann O'Connell, Associate Professor, Educational Psychology, Ohio State University

Dr. Rafael Perez-Escamilla, Professor, Nutritional Sciences

Dr. Linda Pescatello, Professor, Kinesiology

Dr. Geeta Pfau, Assistant Director, Health Services, Eastern Connecticut State University

Dr. Michelle Pierce, Assistant Educator in Residence, Nutritional Sciences, University of Connecticut

Dr. Cynthia Rosengard, Assistant Professor of Medicine (Research), Bio Med Medicine, Brown University

Dr. Juan Salazar, Director of Pediatric and Youth HIV Program, CT Children's Medical Center

Dr. Jean Schensul, Senior Scientist, Institute for Community Research

Dr. Merrill Singer, Professor, Anthropology

Dr. Leslie Snyder, Director of CHCM and Professor of Communication Sciences

Dr. Eileen Storey, Professor Emerita, Division of Occupational & Environmental Medicine, UCHC

Dr. Narasimhan Srinivasan, Associate Professor, Marketing, School of Business

Dr. Christine Unson, Assistant Professor, Department of Public Health, Southern Connecticut State University

Dr. Arthur Vanlear, Associate Professor, Communication Sciences

Dr. Shih-Lun Alex Wang, Assistant Professor, Communication Sciences, UConn Stamford

Dr. David Weakliem, Professor, Sociology

Research Projects

Project 1: "HIV/STI Prevention for Out-of-School Emerging Adults Using a Video Game" - Dr. Leslie Snyder, P.I., Drs. Kirstie Cope-Farrar & William Barta, Co-PIs

This research project is designed to create and test the efficacy of an interactive video game to promote safer sex among urban 18- to 26-year-olds. This age group is of particular importance as they have the highest incidence of unprotected sex and very high rates of HIV and other sexually transmitted infections (STIs). The game uses principles of behavior change within a fun, engaging experience.

Project Progress for FY10: The research team tested successive versions of the video game with members of the target group, and the game developers refined the video game and completed the beta version in December. As of this writing, the randomized control trial of the videogame's impact on the target group is underway.

Goals for FY11: To analyze the data and write up the results. In addition, we expect to write additional grant proposals for the next stage of research funding.

Project 2: “Place-Based Social Marketing to Prevent Party Drug Use Among Urban Youth” - Dr. Jean Schensul, PI, Drs. Sarah Diamond & Rey Bermudez, Co-PIs, Institute for Community Research, Hartford, CT; Dr. Leslie Snyder, UConn, Co-PI.

This research project is designed to prevent an increase in substance use over time among urban youth aged 14-20 years who are non-users or low level users, by demonstrating the fun in attending substance-free events and by promoting and supporting substance-free group norms. The intervention consisted of (1) producing a series of live entertainment shows that incorporate critical components of urban youth culture to deliver drug prevention messages, (2) creating promotional materials that promote being substance-free and distributing them at the events, and (3) creating a CD-ROM with original music and spoken-word pieces written specifically for this project. The performances by local artists and visual art products, under the “Xperience” logo, contained messages about the risks of club drug use. The project trained the artists to incorporate research-based messages in their original work. In theory, the audience in attendance at one of these shows would be more likely to accept messages endorsed by local celebrities. At the same time, the project promotes local artists and culture, strengthens positive community ties, and reinforces substance-free norms. An additional project goal is to design a model for this type of intervention that can be conducted by community or municipal organizations in other cities. The intervention builds on ICR’s two-decade history of research and participatory intervention programming with urban adolescents and urban artists in an innovative way.

Project Progress for FY10: The research team continued analysis of the evaluation data and worked on a paper addressing the outcomes of the project.

Project Goals for FY11: Submit publications to journals, and continue to explore avenues for additional funding.

Project 3: “Impact of Food Ads & PSAs on Child & Teen Eating and Obesity Across Media Markets” - Dr. Leslie Snyder, P.I., Dr. Fran Fleming-Milici, Research Assistant

This project was newly funded in 2010 by the National Cancer Institute to address research gaps in understanding the links between advertising and consumption of high-caloric low-nutrient foods among children and teenagers. The aim of the study is to disentangle the contributions of television viewing, food advertising, and pro-nutrition public service announcements (PSAs) to children’s and adolescents’ food consumption and health outcomes, controlling for factors identified in the literature as potential moderators of food marketing effects. The research team will conduct a multilevel analysis of large national datasets that contain food consumption and health outcome data at the individual level, combined with industry data on the monetary value of advertising for particular products and PSAs per media market. The results should inform the debate about the effects of food marketing for unhealthy products on children. The study should also contribute to our understanding of the collective effect of existing PSAs and advertising for healthy food products, informing future efforts to promote good nutrition among children.

Project Progress for FY10: Because the data that are used in the project are restricted, we established a secure room within CHIP to house the stand-alone computer, applied for and received IRB approval for the project, and applied for and received two datasets. When the funds were awarded in January 2010 we hired a research assistant for the project, and establish a coding scheme for the advertising and PSA data. We are in the process of coding the data at present.

Goals for FY11: Complete coding of the food and nutrition ads and PSAs. Clean and analyze the datasets; conduct analyses; report on results and prepare them for publication.

Project 4: Grant Supplement: “The Distribution and Effects of Personal Public Service Announcements to Promote HIV Testing,” Leslie Snyder, UConn, PI.

In September, 2008, Dr. Snyder received a supplement to the Center grant to study the effectiveness of short video messages (also called personal public service announcements) that promote HIV testing among young adults. E-health interventions using cell phones and e-mails are seen as a promising new intervention area, but there is little

empirical evidence about their effectiveness (Kahur, 2008). The grant takes advantage of HIV testing promotion messages created by young people for another project to study reactions to the videos and the natural distribution of short videos via new communication technologies through peer networks. University of Georgia, under Dr. Vicki Friemuth, is a collaborator on the research, having received a sister grant to examine differences between the messages and initial reactions to them. We conducted two studies. In the first, we intercepted community members in urban Atlanta (the first generation) and asked them to view the messages, give their reactions, and pass the messages along to at least two people. The team then followed up with telephone interviews to the participants' friends (the second generation) who had, in principle, received a video message, asking their reactions to the videos and whether (and to whom) they sent the messages. The second study seeded the messages with college students recruited from classes at UConn and University of Georgia, and asked them to email links to the video messages to their friends,

Project Progress for FY10: The data are in the process of being analyzed, and have been presented at four national conferences. Thus far, we are finding that some community members did send the videos, but that the viral spread is very weak. College students did not choose to forward the email links for the videos, perhaps due to the nature of the topic. There were also lessons learned about the methodology of conducting research on viral messages.

Project Goals for FY11: Finish the analysis and write up the results.

Other Research in Progress

- **Meta-analysis of health interventions that use tailoring.** Tailoring involves soliciting information from each individual and then providing each person with specific messages matched to his/her answers. The results are being written up for publication, and they have been presented at several conferences.
- **Meta-analyses of nutrition education and communication interventions.** A paper has been drafted, and the results were presented at several conferences.
- **Meta-analyses of HIV media campaigns.** A paper is under revision for the *American Journal of Public Health*, and the results have been presented at several conferences.
- **Monitoring of public service announcements.** The goal of this project is to describe public service announcements (PSAs) aired since 2001. The research team coded which health topic is addressed by the PSAs, and is writing up a paper comparing the relative emphasis of health topics to public health priorities. We are also writing up a paper that compares the number of PSAs promoting cancer prevention, detection, and treatment to public health data on cancer morbidity and mortality. Finally, they are in the process of coding the focus of cancer PSAs, with a goal of conducting a multi-level study of the effects of PSAs on cancer screening behaviors in the national population. The research on PSAs has been presented at several conferences.
- **Monitoring alcohol advertisements.** One study in this research program established the effects of alcohol advertising exposure on youth using national survey data of adolescents linked with advertising data from industry. We found that youth who view more alcohol advertisement are more likely to begin drinking, and that viewing anti-drinking PSAs protects against drinking onset. The antagonistic effects are interesting, but youth are exposed to much greater amounts of alcohol advertising than PSAs. A second study examined the content of alcohol advertisements in terms of messages at the end exhorting viewers to drink responsibly. A team at CHCM is finalizing a paper for publication on the nature of responsibility messages contained in all televised national alcohol advertisements and public service announcements aired in 2007. The alcohol advertising studies have been presented at national and international conferences.
- **Analysis of the health communication and marketing practices of all 50 state public health departments.** The goal of this project is to survey the health communication needs and practices at the state level. A team at CHCM has drafted a questionnaire based in part on qualitative interviews with public health officials in five states and had it reviewed by people at the CDC, Association of State and Territorial Health Officials (ASTHO), and National Public Health Information Coalition (NPHIC). These organizations have all agreed to be co-

signatories to a letter introducing the study. NPHIC has agreed to allow the team to email the questionnaire to their membership.

Scholarly Activity and Accomplishments

In FY10, CHCM Principal Investigators and selected Research Affiliates:

- Published 1 book, 28 journal articles, 5 book chapters, and 8 conference proceedings.
- Presented 22 invited scholarly colloquia, presentations, or symposia.
- Served as invited consultant on 3 occasions.

Other CHCM Activities and Progress

- Co-sponsored CHIP Lecture: Colleen Redding, October 8, 2009, *Tailored Population-based Interventions to Improve Sexual Health*.
- Submitted new research grants.

CHCM FY11 Objectives

- In addition to the project specific goals above, in the coming year we will continue to seek interdisciplinary collaboration on new research projects.
- Submit additional grant proposals.

APPENDIX 15: CHIP's Advanced Interactive Technology Center (AITC)

History

In 2006, CHIP Principal Investigator Kerry Marsh (Psychology) received a seed grant from CHIP to use virtual reality as an experimental medium for her research. Based partly on the results of this initial work, Marsh was awarded a large grant from the National Institutes of Health (NIH) to continue research along these lines. In 2008, the funding enabled the establishment of a modest Virtual Reality (VR) Lab. In the summer of 2008, it was proposed to CHIP Director Jeffrey Fisher that the capabilities of the lab be made available to other CHIP researchers and to the greater university community, and Dr. Fisher responded by authorizing the procurement of additional equipment to support the growth of the lab. At this time, the lab began to be utilized by additional researchers. Deborah McDonald, a CHIP affiliate in the school of Nursing, hired the lab to produce an interactive application to train patients how to interact with doctors when questioned about specific issues.

In 2009, CHIP submitted a proposal to the Service Center and Cost Recovery Committee (SCCRC) to become a service center. On October 1, 2009, the committee approved the creation of the CHIP AITC as a service center with Timothy Gifford as the Center's director. The AITC will have a broader focus than the original virtual reality lab. On January 25, 2010, the SCCRC approved the pricing structure for the fees and rates charged to users of the Center, including the pay rates for Center personnel and the Center usage fee.

Operations

The Center is structured for complete cost recovery. The only costs incurred during general operations are those that will be paid for by researchers' funding sources. Users of the Center pay for each hour of services needed to produce their application or to assist in the running of their experiment. The hourly rate is calculated by combining the cost for each staff member plus the Center usage fee. The Center usage fee is calculated through a set of assumptions about the overall cost to administer the Center, provide routine maintenance, and promote the Center and grow its client base.

Staff

The Center is directed by Timothy Gifford. Gifford brings 20 years of experience from private industry in filmmaking, computer graphics, software development, simulation, robotics, and virtual reality. As director, Gifford provides the vision for development and growth of the Center as well as design and production direction for each application produced by the Center. Christian Wannamaker provides software development and support to the Center. Christian is a recent graduate from UConn's School of Engineering with a Master's of Science degree in Computer Science. Christian has worked on VR projects for the last 2 years on Kerry Marsh's grant. Susan Hoge and Sarah Bothell provide invaluable administrative support to the Center, helping to establish policies and budgetary structure. Going forward their time will be covered by the Center usage fee. The Center is currently seeking student labor to fill two positions. The first is an administrative assistant to aid in production scheduling and job tracking. The second is to provide production support. At its height this year, the Center had up to 6 students and employees working on VR production at the same time.

Facility

The CHIP AITC is currently located in rooms 202, 203, and 223 in the J. Ray Ryan Building. Administration, client meetings, and production are carried out in room 203. Room 223 provides additional office space for production staff. Room 202 provides lab space where VR display equipment and motion tracking systems are housed. The high tech classroom on the second floor of Ryan can also be used as a large volume interactive lab where a participant can walk around an area as large 20 feet square without encumbrance. There is a small storage room off of room 202 where the Center stores equipment when not in use.

The CHIP AITC has a small satellite office in the Psychology labs on the Greater Hartford campus of UCONN. This office houses some production equipment and can support interactive activities with equipment brought from the main location.

Equipment and Software

The AITC has specialized equipment for VR applications including head-mounted displays, data gloves, magnetic tracking systems, and optical tracking systems. The Center has a wide selection of production workstations with several software packages designed for use in the animation and game development market. These packages are used for the specialized task of producing interactive applications.

Clients

To date, the Center has been utilized by 2 clients.

Kerry Marsh, associate professor of Psychology, is utilizing the Center for creating virtual environments for experiments proposed in a 5-year NIMH grant entitled, "Implicit Attitudes and HIV Risk Behavior in Virtual Environments," and funded beginning in 2008.

Deborah McDonald, associate professor in UConn's School of Nursing, is using applications produced at the CHIP AITC to study the effect of a virtual pain communication coach on older adults' pain.

In addition, use of the Center has been proposed in several grant applications by CHIP affiliates in Nursing, Engineering, Communication Sciences, and Psychology. The Center also has been engaged for work as part of awarded grants over the next three years. Researchers include Deborah McDonald and Dr. Peter Luh (Engineering).

Marketing

During the coming year, the AITC will develop marketing materials and will begin actively pursuing new customers. This will be done through direct emailing, internal presentations, and articles in University press outlets. As the AITC grows, marketing efforts will also grow to include other research institutions within the state. The services and facilities of the AITC may also be offered to the commercial marketplace, following applicable University policies. This will have the benefit of increasing the resources of the Center and extending its reach and reputation.

Capability

The AITC will work to seek new funding sources to acquire additional equipment and software to increase its capabilities and value to the University and broader community. The AITC is currently in negotiation with the University to implement an in-kind contribution program that would allow researchers to donate time and equipment in exchange for production credits. This will enable the University to amortize the cost of existing equipment over several research projects. This will greatly increase the technical capability that is available to the general UConn research community.

Conclusion

The Center is an educational resource to the University population, providing exposure, training, and expertise in cutting-edge interactive technologies. The Center provides a vehicle for developing ideas that can be turned into funded research, bringing research dollars to the university, as well as recognition. The vision for the AITC is to grow with usage, increasing equipment, software and staffing. The AITC will bring this ever-increasing capability to each researcher. The software development will be combined with existing libraries, contributing to the overall capability of the Center. The CHIP AITC is a vehicle for enhancing the research capabilities of the University by lowering costs and increasing the availability of cutting-edge simulations, VR, and other interactive technologies for the UConn community as a whole.

APPENDIX 16: CHIP Submitted Grants (July 1, 2009 - May 15, 2010)

Principal Investigator	Dept	Direct Costs Requested	F&As Requested	Total Costs Requested	Yrs	Start Date	End Date	Agency	Title
Amico, K. Rivet	CH	\$100,836	\$53,443	\$154,279	3	04/01/10	03/31/13	NIH/NIMH/ U. Mississippi Medical Center	Linkage to HIV Care in Mississippi
Amico, K. Rivet	CH	\$29,920	\$15,858	\$45,778	1	11/01/09	05/31/10	NIH/FHI	HPTN 067 Behavioral Aspects of PrEP Counseling for Intermittent Exposure
Amico, K. Rivet	CH	\$84,980	\$45,040	\$130,020	5	12/01/10	11/30/15	NIH/NIMH/ Wayne State	Motivation-Based Outreach to African-American Young Men Who Have Sex With Men
Bhat, Anjana	PT/K	\$75,000	\$35,985	\$110,985	1	07/01/10	06/30/11	DOD/Dept. of the Army	Robot Child Interactions in Children with Autism
Blank, Thomas	HDF	\$75,000	\$36,565	\$111,565	1	09/01/11	08/31/11	DoD	Communicating Narratives of the Breast Cancer Experience Using New Technologies
Blank, Thomas	HDF	\$75,000	\$37,300	\$112,300	1	01/01/11	12/31/11	DoD	Treatment-Caused Erectile Dysfunction as a Couples Matter: An Innovative Dyadic Method to Understand its Impacts
Cornman, Deborah	CH	\$295,503	\$154,497	\$450,000	1	08/01/09	07/31/10	DOD/DHAPP	Increasing Healthy Behavior among PLWHA in Military Settings in Ethiopia FY09-10
Cornman, Deborah	CH	\$79,365	\$20,635	\$100,000	1	12/01/09	11/30/10	DOD/DHAPP	Prevention for Positives in a Military Setting in Mozambique 2009-10 (Continuation)
Cornman, Deborah	CH	\$119,837	\$30,163	\$150,000	1	12/01/09	11/30/10	DOD/DHAPP	Health Maintenance Program for Military PLWH in Uganda 2009-10
Cornman, Deborah	CH	\$96,005	\$23,995	\$120,000	1	11/01/09	10/31/10	CAPRISA	RHIVA Project
Copenhaver, Michael	AHS	\$0	\$0	\$0	5	07/01/10	06/30/15	NIH/NIDA	HIV Risk Reduction Among HIV- Infected Drug Users

APPENDIX 16: CHIP Submitted Grants (July 1, 2009 - May 15, 2010)

Principal Investigator	Dept	Direct Costs Requested	F&As Requested	Total Costs Requested	Yrs	Start Date	End Date	Agency	Title
Copenhaver, Michael	AHS	\$2,667,351	\$880,102	\$3,547,453	5	01/01/11	12/31/15	NIH/NIDA	HIV Risk Reduction and Antiretroviral Adherence among HIV-Infected Injection Drug Users
Cruess, Dean	PSY	\$0	\$0	\$0	3	04/01/10	03/31/13	NIH/NIMH	Internet-Based HIV Prevention Intervention Development
Cruess, Dean	PSY	\$450,000	\$217,830	\$667,830	3	12/01/10	11/30/13	NIH/NIMH	Internet-Based STI/HIV Prevention for HIV+ Internet Users
Erickson, Pamela	AN	\$100,000	\$51,940	\$151,940	2	07/01/10	06/30/12	NIH	Social Construction of Sexual and Reproductive Behavior Among Minority Emerging Adults
Fein, Deborah	PSY	\$763,840	\$402,715	\$1,166,555	3	03/01/10	02/28/13	US Dept of Education	Teaching Skills to Toddlers: A Program for Caregivers
Fein, Deborah	PSY	\$450,000	\$231,690	\$681,690	3	07/01/10	06/30/13	NIH/NIMH	Teaching Skills to Toddlers: A Program for Caregivers
Gorin, Amy	PSY	\$70,202	\$37,206	\$107,408	5	04/01/10	03/31/15	NIH/U. of Tennessee	Reducing Television Viewing During Behavioral Obesity Treatment in Adults
Gorin, Amy	PSY	\$381,806	\$114,819	\$496,625	5	08/01/10	07/31/12	NIH	Medical, Community, and Family Partnerships to Prevent Obesity in Latino Children
Gorin, Amy	PSY	\$167,308	\$88,674	\$255,982	5	08/01/10	07/31/12	U Rochester/NIH	Virtual Translation of Diabetes Prevention to Primary Care
Gorin, Amy	PSY	\$178,362	\$94,532	\$272,894	5	09/01/10	08/31/15	U Rochester/NIH	Improving Health in Diabetes & Sustaining Motivation using Virtual Environments
Gorin, Amy	PSY	\$10,411	\$2,707	\$13,118	1	12/01/10	11/30/11	Walmart Foundation/CCMC	Role of Community Health Workers in Preventing Childhood Obesity
Harel, Ofer	ST	\$907,395	\$72,592	\$979,987	5	04/01/10	03/31/15	NIH/NIMH	Dealing with Missing Data in HIV Prevention Trials

APPENDIX 16: CHIP Submitted Grants (July 1, 2009 - May 15, 2010)

Principal Investigator	Dept	Direct Costs Requested	F&As Requested	Total Costs Requested	Yrs	Start Date	End Date	Agency	Title
Johnson, Blair	PSY	\$134,307	\$10,744	\$145,051	1	09/01/10	08/31/10	NIH	Geospatial Factors in HIV Prevention Trial Outcomes
Johnson, Blair	PSY	\$9,327	\$4,943	\$14,270	1	05/17/10	12/31/10	NIH/NIMH	SHARP III Diversity Supplement
Kelly, Kristin	PS	\$66,400	\$33,599	\$99,999	1	12/01/10	11/30/11	NIH	Implementing Health Information Technology in Safety.Net Clinics: An Assessment of Patient Experiences
Kraemer, William	K	\$64,580	\$34,227	\$98,807	2	04/01/10	03/31/12	NIH	A Print-Based Resistance Training Intervention for Middle-Aged Adults
Kraemer, William	K	\$34,797	\$12,621	\$47,418	1	08/01/10	05/31/11	Private corporation	A Pilot Study: The Examination of a Cold-Weather Compression Garment on Power and Strength Measures
Kraemer, William	K	\$9,528	\$0	\$9,528	1	10/01/09	09/30/10	US Army	Maximizing the Osteogenic Properties of Plyometric Exercise to Induce Optimal Structural Adaptations in Bone and Muscle: Effects on Endocrine and Cellular Controls (continuation)
Kurz, Brenda	AN	\$98,577	\$0	\$98,577	1	10/01/09	09/30/10	The Bill and Melinda Gates Foundation	Screening Maternal Depression as a Barrier to Child Malnutrition
Lin, Carolyn	CS	\$275,000	\$135,907	\$410,907	2	07/01/10	06/30/12	NIH	Dial Nutrition Education (DINE): A Point-of-Purchase Nutrition Label Education System
Lin, Carolyn	CS	\$275,000	\$134,314	\$409,314	2	12/16/10	12/15/12	NIH/NIA	A Social Drinking Journey via a Virtual Reality World
McDonald, Deborah	N	\$799,804	\$58,025	\$857,829	4	01/01/10	12/31/13	Donaghue Foundation	The Effect of a Virtual Pain Coach on Older Adults' Pain

APPENDIX 16: CHIP Submitted Grants (July 1, 2009 - May 15, 2010)

Principal Investigator	Dept	Direct Costs Requested	F&As Requested	Total Costs Requested	Yrs	Start Date	End Date	Agency	Title
Park, Crystal	PSY	\$318,438	\$122,541	\$440,979	2	07/01/10	06/30/12	NIH	Targeting the Teachable Moment: A Lifestyle Intervention for Breast Cancer Survivors
Park, Crystal	PSY	\$75,000	\$38,157	\$113,157	1	11/01/10	10/31/11	DoD	Understanding Fear of Recurrence and Adaptive Health Behavior Change in Breast Cancer Survivors
Park, Crystal	PSY	\$260,221	\$124,450	\$384,671	1	01/01/11	12/31/15	NIH/NIDA/Yale	Gender and Resilience and Vulnerability Factors to Substance Abuse and Mental Health Issues in Returning OEF/OIF Veterans
Park, Crystal	PSY	\$297,434	\$124,389	\$421,823	2	12/01/10	11/30/12	NIH/NIA	Preliminary Test of a Psychospiritual Intervention for Improving HRQOL in CHF
Park, Crystal	PSY	\$1,770,166	\$286,633	\$2,056,799	5	07/01/10	06/30/12	NIH/NCCAM	Development of a Translational Tool to Study Yoga Therapy
Pescatell/ Ash Garrett	K	\$5,000	\$0	\$5,000	1	07/01/10	10/01/10	ACSM	Exercise for Hypertension: Aerobic vs. Ischemic Handgrip
Pescatello, Linda	K	\$1,990,463	\$638,543	\$2,629,006	4	12/01/10	11/30/14	NIH/NLBHI	Establishing the Genetic Basis for the Blood Pressure Lowering Effects of Exercise
Pescatello, Linda	K	\$15,396	\$0	\$15,396	1	12/18/10	12/15/10	ACSM	American College of Sports Medicine Guideline for Exercise Testing and Prescription RefWorks
Singer, Merrill	CH	\$15,848	\$8,399	\$24,247	2	01/07/10	01/06/12	NSF/Yale University	Toward a Design Framework for Urban Ecology: Coupling Local Community Engagement with a Research Agenda to Facilitate Ecological Function and Services
Singer, Merrill	CH	\$285,502	\$149,991	\$435,493	2	01/01/10	12/31/12	NSF	Intersecting Ecocrises and Human Health: A Two-Site Critical Biocultural Study

APPENDIX 16: CHIP Submitted Grants (July 1, 2009 - May 15, 2010)

Principal Investigator	Dept	Direct Costs Requested	F&As Requested	Total Costs Requested	Yrs	Start Date	End Date	Agency	Title
Singer, Merrill	AN	\$58,880	\$4,710	\$63,590	5	09/01/10	08/31/15	NIH/NIMH/Yale	Community-Based HIV Educational Research Program for Diverse Racial & Ethnic Groups
Singer, Merrill	AN	\$148,850	\$78,890	\$227,740	3	01/01/11	12/31/13	NIH/NIMH/Columbia	Risk Reduction Intervention Development Among Women at Risk in Kabul, Afghanistan
Sullivan, Grace	CH	\$25,690	\$1,310	\$27,000	1	07/01/10	06/30/11	NIH	Planning and Implementing a Chronic Disease Research Training Program in Nursing and Public Health (CDRT-NPH)
Volek, Jeff	K	\$47,563	\$25,739	\$73,302	1	07/01/09	06/30/10	Private corporation	Product Testing using a Proprietary Carbohydrate Measurement System
Volek, Jeff	K	\$123,495	\$41,597	\$165,092	1	10/01/09	09/30/10	Private corporation	Impact of a Unique Whey Protein Hydrolysate on Exercise-Induced Vascular Responses: Role of Nitric Oxide
Volek, Jeff	K	\$395,181	\$0	\$395,181	1	08/01/10	07/31/12	Private corporation	Dietary Matrix Effects Impacting the Response to Eggs: Modulating Effects of Carbohydrate
Total Proposal Submitted	49	\$14,778,568	\$4,718,017	\$19,496,585					

Department:

AHS Allied Health Sciences
 AN Anthropology
 CH CHIP
 CS Communication Sciences
 HDF Human Development & Family Studies
 K Kinesiology
 N Nursing

PT Physical Therapy
 PS Political Science
 PSY Psychology
 SO Sociology
 ST Statistics

APPENDIX 17: Selected FY10 Scholarly Publications and Presentations by CHIP PIs

References are listed alphabetically by first author. The names of CHIP PIs, affiliates, and staff are in bold. CHIP graduate students have (g) after their names.

Books

Harel, O. (2009). *Strategies for data analysis with two types of missing values: From theory to application*. Saarbrücken, Germany: Lambert Academic Publishing.

Neafsey, P. J. (2009). *Case mysteries in pathophysiology*. Denver: Morton Publishing.

Westman, E. C., Phinney, S. D., and **Volek, J. S.** (2010). *New Atkins for a new you*. New York: Fireside.

Books Edited

Rohleder, R., Swartz, L., **Simbayi, L.**, & **Kalichman, S. C.** (Eds.) (2009). *HIV/AIDS in South Africa 25 years on: A psychosocial perspective*. New York: Springer Science.

Singer, M., & **Erickson, P.** (Eds.) (2010). *Medical anthropology companion*. San Francisco: Wiley.

Singer, M., & Hodge, G. D. (Eds.) (2010). *The war machine and global health*. Malden, MA: AltaMira.

Book Chapters

Blank, T. O., Asencio, M., Descartes, L., & Griggs, J. (2009). Aging, health, and GLBTQ family and community life. In C. A. Fruhauf & D. Mahoney (Eds.), *Older GLBT family and community life*. New York: Routledge.

Clair, S., & **Singer, M.** (2010). HIV status, risk, and prevention needs among Latino and Non-Latino MSM in Connecticut. In D. Feldman (Ed.), *AIDS, culture, and gay men* (pp. 137-154). Gainesville, FL: University Press of Florida.

Fisher, J. D., **Fisher, W. A.**, & **Shuper, P. A.** (2009). The information-motivation-behavioral skills model of HIV preventive behavior. In R. DiClemente, R. Crosby, & M. Kegler (Eds.), *Emerging theories in health promotion practice and research, 2nd ed.*, (pp. 22-63). San Francisco, CA: Jossey Bass Publishers.

Hodge, G. D., & **Singer, M.** (2010). The political-economy and critical geography of the war machine. In **M. Singer** & G. D. Hodge (Eds.), *The war machine and global health* (pp. 303-329). Lanham, MD: AltaMira.

Kalichman, S. C., & **Simbayi, L.** (2009). Positive prevention: HIV risk reduction for people living with HIV/AIDS. In P. Rohleder, L. Swartz, **L. Simbayi**, & **S. C. Kalichman** (Eds.), *HIV/AIDS in South Africa 25 Years on: A psychosocial perspective* (pp. 273-288). New York: Springer Science.

Kraemer, W. J., Thomas, G. A., & Hatfield, D. L. (2010). Resistance training. In C. C. Madden, M. Putukian, C. C. Young, & E. C. McCarty (Eds.), *Netter's sports medicine* (pp. 128-133). Philadelphia, PA: Elsevier.

Kraemer, W. J., Flanagan, S. D., & Thomas, G. A. (2010). The physiological basis of recovery: Special considerations in tennis. In M.S. Kovacs, T. Ellenbecker, & W. B. Kibler (Eds.), *Tennis recovery: A comprehensive review of the Research*. White Plains, NY: United States Tennis Association Inc.

Kraemer, W. J. (2010). Program design, resistance training programs. In W. R. Thompson, B. A. Bushman, J. Desch, & L. Kravitz (Eds.), *ACSM's resources for the personal trainer, 3rd ed.*, (pp. 307-325). Baltimore, MD: Lippincott, Williams & Wilkins.

Kraemer, W. J. (2010). Resistance training programs. In W. R. Thompson, B. A. Bushman, J. Desch, & L. Kravitz, *ACSM's resources for the personal trainer, 3rd ed.*, (pp. 325-358). Baltimore, MD: Lippincott, Williams & Wilkins.

- Natrass, N., & **Kalichman, S. C.** (2009). The politics and psychology of AIDS denialism. In P. Rohleder, L. Swartz, L. **Simbayi**, & **S. C. Kalichman** (Eds.), *HIV/AIDS in South Africa 25 years on: A psychosocial perspective* (pp. 123-135). New York: Springer Science.
- Park, C. L.** (2010). Spirituality and mental health. In N. A. Piotrowski (Ed.), *Salem health: Psychology and mental health, 3rd ed.*, (pp. 1852-1854). Pasadena, CA: Salem Press.
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- Richardson, M. J., **Marsh, K. L.**, & Schmidt, R. C. (2010). Challenging the egocentric view of coordinated perceiving, acting and knowing. In B. Mesquita, L. F. Barrett, & E. R. Smith (Eds.), *The mind in context* (pp. 307-333). New York: Guilford Press.
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- Singer, M.** & Hodge, G. D. (2010). The myriad impacts of the war machine on global health. In **M. Singer** & G. D. Hodge (Eds.), *The war machine and global health* (pp. 1-27). Lanhan, MD: AltaMira.
- Singer, M.** (2010). Double jeopardy: Vulnerable children and the possible global lead poisoning/infectious disease syndemic. In R. Parker & M. Sommer (Eds.), *International handbook on global health*. New York: Routledge.
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- Singer, M.**, Herring, A., Littleton, J., & Rock, M. (2010). Syndemics in public health. In **M. Singer** & **P. Erickson** (Eds.), *Medical anthropology companion*. San Francisco: Wiley.

Full-Length Articles in Refereed Journals

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Short Refereed Journal Articles

- Kalichman, S. C.**, & **Eaton, L.** (2009). Strategies for preventing HIV transmission: HIV treatment for prevention [Letter]. *Journal of the American Medical Association*, 302, 1531.
- Marsh, K. L.**, Johnston, L., Richardson, M. J., & Schmidt, R. C. (2009). Reply to commentaries: Hop off the mirror neuron bandwagon and join ours, it's less crowded! *European Journal of Social Psychology*, 39, 1234–1235.

Published Conference Proceedings (full paper)

- Harel, O.** (2009). The impact of model mis-specification on the outfluence. In K. Vanhoof, D. Ruan, T. Li, & G. Wets (Eds.), *World Scientific Proceedings Series on Computer Engineering and Information Science - Intelligence Decision Making Systems* (pp. 221-226). Hackensack, NJ: World Scientific.
- Johnson, B. T.**, **Amico, K. R.**, O'Grady, M., & **Harman, J. J.** (2009). Research synthesis of ART adherence interventions: A meta-analysis of behavioral interventions [Supplemental material]. *Psychology & Health*, 24, 220-221.
- Rajasekaran, S., **Harel, O.**, Zuba, M., Matthews, G., & Aseltine, R. (2009). Responsible data releases. *Proceedings of the 9th Industrial Conference on Data Mining (ICDM)* (pp. 388-400). Berlin: Springer LNCS.
- Wang, P., Luh, P. B., Chang, S., & **Marsh, K. L.** (2009). Efficient optimization of building emergency evacuation considering social bond of evacuees. *Proceedings of the 5th Annual IEEE Conference on Automation Science and Engineering (IEEE CASE 2009), India*, 250-255.

Keynote and Plenary Lectures at National and International Conferences

- Cornman, D. H.** (2009, April). *Uganda People's Defense Forces ART adherence support program*. Invited plenary presentation at 2010 International Military HIV/AIDS Conference, Arusha, Tanzania.
- Fisher, J. D.** (2009, May). *Prevention for positives: Past, present, and possible future directions*. Invited plenary presentation at International HIV Prevention Trials Network (HPTN) Annual Meeting, National Harbor, MD.
- Kalichman, S. C.** (2010, February). *Challenges of alcohol use for HIV prevention*. In W. El-Sadr and R. Valdiserri, Challenges in HIV Prevention, 17th Conference on Retroviruses and Opportunistic Infections (CROI), San Francisco, CA.
- Kraemer, W. J.** (2010, April). *Strength training: The keys to health, fitness and performance*, The 2010 Alderson Lecture Keynote Speaker for the Kinesiology & Health Education Hall of Honor Awards Ceremony, University of Texas, Austin, TX.
- Kraemer, W. J.** (2010, May). *Recovery techniques from conditioning and competition*, Midwest Sports Performance Conference, University of Kansas, Lawrence, KS.
- Kraemer, W. J.** (2010, May). *The integrative biology of resistance exercise*. The Dr. James Naismith Lecture, University of Kansas, Lawrence, KS.
- Kraemer, W. J.** (2010, May). *New research in adaptation and recovery*, Keynote Speaker for the National Strength and Conditioning Association Northeast Annual State Clinic, Stamford, CT.
- Singer, M.** (2009, September) *Medical anthropology and public policy: Using research to change the world from what it is to what we believe it should be*. Invited Plenary Speaker, Medical Anthropology at the Intersections: Celebrating 50 Years of Interdisciplinarity, Society for Medical Anthropology, Yale University, New Haven, CT.
- Singer, M.** (2010, March). *The anthropology of drug use: An eighty-five year history*. Keynote Speaker, Annual Speakers Series, Connecticut Museum of Natural History, Storrs, CT.
- Singer, M.** (2010, April). *Present and future of medical anthropology*. Invited Keynote Speaker, Annual Western Undergraduate Research Conference, Santa Clara University, Santa Clara, CA.
- Singer, M.** (2010, April). *Syndemics & health: A biosociocultural approach*. Invited Keynote Speaker, Health & Science Horizons Lecture Series, Department of Anthropology and Public Health Program, Santa Clara University, Santa Clara, CA.
- Singer, M.** (2010, May). *Illicit drug injection and syringe mediated epidemics: Comparing the USA and China*. Visiting Ethnographer, Department of Anthropology, St. Mary's College, St. Mary's City, MD.

Conference Proceedings and Presentations

- Amico, K. R., Harman, J. J., O'Grady, M., & Johnson, B. T.** (2009, April). *Research synthesis of ART adherence interventions: A synthesis of published adherence intervention outcomes research from 1996 to September 2007*. Presented at the 4th Annual HIV Treatment Adherence Conference of the International Association of Providers in AIDS Care, Miami, FL.
- Amico, K. R., Simoni, J., Wilson, I., Malow, R. M., Devieux, J., & Deschamps, A.** (2009, April). *Monitoring patient adherence: Recommendations from and for practice*. Presented at the 4th Annual International Conference on HIV Treatment Adherence, International Association of Providers in AIDS Care, Miami, FL.
- Andersen, C., Jones, J., Barona, J., Calle, M., Lerman, R. H., Volek, J. S., & Fernandez, M. L.** (2010, April). *A Mediterranean-style low glycemic diet decreases inflammation and insulin resistance in subjects classified with the metabolic syndrome*. Presented at Experimental Biology, Anaheim, CA.

- Antczak, A. J., Pierce, J. R., **Kraemer, W. J., Maresh, C. M.**, Anderson, J. A., Staab, J. S., & Zambraski, E. J., (2010, June). *Effects of a twelve-week once versus twice a day power training program on bone turnover markers and bone quality*. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
- Ballard, K. D. (g), Quann, E. E., Kupchak, B. R., Volk, B. M. (g), Fernandez, M. L., Seip, R. L., **Kraemer, W. J., Maresh, C. M., & Volek, J. S.** (2010, June). *Vascular effects of a carbohydrate restricted diet and increased physical activity in men and women taking statins*. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
- Beasley, K. N., Lee, E. C., McDermott, B. P., Yamamoto, L. M., Emmanuel, H., Casa, D. J., Armstrong, L. E., **Kraemer, W. J., & Maresh, C. M.** (2010, June). *The effect of oral versus intravenous rehydration on circulating myoglobin and creatine kinase*. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
- Bhat, A. N.**, Downing, K., Galloway, J. C., & Landa, R. L. (2010). *Attention and head turn rates during contingency learning and gross motor performance of young infants at risk for autism*. Presented at the International Conference for Infant Studies, Baltimore, MD.
- Bhat, A. N.**, Downing, K., Galloway, J. C., & Landa, R. L. (2010). *Overt head turning during contingency learning and gross motor performance of young infants at risk for autism*. Presented at the International Meeting For Autism Research, Philadelphia, PA.
- Black, A., **Harel, O.**, McCoach, B., Rogers, J., & Swaminathan, H. (2010). *A Monte Carlo comparison of modern missing data techniques for multilevel data*. Poster presented at the Annual Meeting of American Psychological Association, Toronto, ON.
- Blank, T. O.**, & Dick, N. E. (2010, April). *To vaccinate or not? Healthcare providers and the HPV controversy*. Presented at the Society of Behavioral Medicine Annual Meeting, Seattle, WA.
- Calle, M., Fernandez, M. L., **Kraemer, W. J.**, Volk, B. M. (g), Kupchak, B., & **Volek, J. S.** (2010, April). *Resistance training improves the inflammatory response to an acute resistance exercise bout in healthy young adults*. Presented at Experimental Biology, Anaheim, CA.
- Cornman, D. H.** (2009, September). *Challenges of disseminating, adapting, and implementing an evidence-based HIV risk-reduction intervention for PLWHA in different cultural contexts*. Paper presented at the AIDS Impact Conference, Gaborone, Botswana.
- Demos, A., Chaffin, R., Lewis, A., Begosh, K. T., Daniels, J. R., & **Marsh, K. L.** (2009, August). *Rocking in synch: Effects of music on interpersonal coordination*. Poster presented at the Society for Music Perception and Cognition (SMPC), Indianapolis, IN.
- Descartes, L., **Blank, T. O.**, & Asencio, M. (2010, April). *Prostate cancer and gay men*. Presented at Queer Research Day, University of Western Ontario, London, ON.
- Descartes, L., Hart, S., **Blank, T. O.**, Asencio, M., Crawford, A., Latini, D., & Coon, D. (2009, March). *Prostate cancer and gay men*. Presented at the annual meeting of Rainbow Health Ontario, Toronto, ON.
- Eicher J. D., **Maresh, C. M.**, & **Pescatello, L. S.** (2009). The additive blood pressure lowering effects of intensity on postexercise hypotension. *Medicine & Science in Sports & Exercise*, 41: S51.
- Ezeabogu, I. (g), & **Copenhaver, M.** (2010). *The influence of neuro-cognitive impairment on intervention outcomes among injection drug users living with HIV/AIDS*. Presented at the Annual Conference of the College on Problems of Drug Dependence (CPDD), Scottsdale, AZ.
- Fan, Q. (g), Olson, K. M., Walker, T. J. (g), **Volek, J. S., Kraemer, W. J.**, Gómez, A. L., Stratton, J. H., & **Pescatello, L. S.** (2010, June). *The variability in ambulatory blood pressure assessments on two non-consecutive days*. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD.

- Fragala, M. S., **Kraemer, W. J.**, Flanagan, S., Dunn-Lewis, C. (g), Thomas, G. A., **Volek, J. S.**, & **Maresh, C. M.** (2009, July). *Effects of a whole body compression garment on markers of recovery after an intense whole body resistance training workout in women*. Presented at the Annual Meeting of the National Strength and Conditioning Association, Las Vegas, NV.
- Gifford, T. G. & Bhat, A. N.** (2009). *Robotics applications for children with autism*. Presented at the Current Teaching Issues in Autism Gray Farer Conference, Philadelphia, PA.
- Gordon, P. M., Liu, D., Gordish-Dressman, H., Devaney, J. M., Pistilli, E., Angelopoulos, T. J., Clarkson, P. M., Moyna N. M., **Pescatello, L. S.**, Seip, R. L., Visich, P. S., Zoeller, R. F., Thompson, P. D., & Hoffman, E. P. (2009). Interaction of body mass index and adiposity-related gene polymorphisms influences risk for metabolic syndrome. *Medicine & Science in Sports & Exercise*, 41, S582.
- Gorin, A. A.**, Raynor, H. A., Maguire, K., Robichaud, E., & Wing, R. R. (2009, October). *Making a healthy home: Changes in physical and social cues in the home to improve weight loss outcomes*. Paper presented at the annual meeting of the Obesity Society, Washington, DC. *Obesity*, 17 (Supplement 2), S142.
- Harel, O.** (2009, August). *Outfluence: the impact of missing values*. Paper presented at the Joint Statistical Meeting (JSM), p. 507, Washington, DC.
- Harmon B. T., Suer, F., Devaney, J. M., Gordish-Dressman, H., Clarkson, P. M., Thompson, P. D., Angelopoulos, T. J., Gordon, P. M., Moyna N. M., **Pescatello, L. S.**, Visich, P. S., Zoeller, R. F., & Hoffman, E. P. (2009). Association of atrogen-1 genotypes with baseline muscle phenotypes. *Medicine & Science in Sports & Exercise*, 41, S585.
- Hatfield, D. L., **Kraemer, W. J.**, Vingren, J. L., Anderson, J. M., Nindl, B. C., Thomas, G. A., Ho, J. Y., Fragala, M. S., & **Maresh, C. M.** (2009, July). *The effects of an acute resistance exercise bout on insulin like growth factor-I and 3 binding proteins in well-trained men and women*. Presented at the Annual Meeting of the National Strength and Conditioning Association, Las Vegas, NV.
- Huedo-Medina, T. B., Johnson, B. T., Boynton, M. H., & Warren, M. R.** (2010). Prevention efforts succeed best where they are most needed: Individual vs. social-structural predictors of HIV prevention intervention efficacy and the explanatory potential of intergroup theory. *Annals of Behavioral Medicine*, 39, S1, s112.
- Hulmi, J. J., Walker, S., Ahtiainen, J. P., Nyman, K., **Kraemer, W. J.**, & Häkkinen, K. (2010, April). *Muscle hypertrophy and metabolic signaling after two different resistance exercises in young men*. Presented at Experimental Biology 2010, Anaheim, CA.
- Johnson, B. T., Amico, K. R., O'Grady, M., & Harman, J. J.** (2009, September). *Research synthesis of art adherence interventions: A meta-analysis of behavioral interventions*. Paper presented at the Annual Meeting of the European Health Psychology Society, Pisa, Italy.
- Jones, J., Barona, J., Calle, M., Lerman, R. H., **Volek, J. S.**, & Fernandez, M. L. (2010, April). *A Mediterranean low glycemic diet decreases the risk for heart disease by decreasing atherogenic lipoproteins. Addition of a medical food containing plant sterols and soy protein has a more favorable effect on LDL metabolism*. Presented at Experimental Biology, Anaheim, CA.
- Kalichman, S.** (2010, March). *A simple single item rating scale to measure medication adherence: Further evidence for convergent validity*. Presented at Society of Behavioral Medicine, Seattle, WA.
- Kalichman, S., & Eaton, L.** (2010, March). *HIV Super-infection beliefs and seroconcordant sexual practices of people living with HIV/AIDS*. Presented at Society of Behavioral Medicine, Seattle, WA.
- Kostek, M. A. (g), Angelopoulos, T. J., Clarkson, P. M., Gordon, P. M., Moyna, N. M., Visich, P. S., Zoeller, R. F., Thompson, P. D., Devaney, J., Gordish-Dressman, H., Hoffman, E. P., **Maresh, C. M.**, & **Pescatello, L. S.** (2009). Vdr influence physical activity participation. *Medical Science and Sports Medicine*, 41, S122.
- Kraemer, W. J.**, Vingren, J. L., Thomas, G. A., Ho, J. Y., Fragala, M. S., Flanagan, S., Dunn-Lewis, C., Thomas, G. A., **Volek, J. S.**, & **Maresh, C. M.** (2009, July). *Construct validity of the Myotest® in measuring force and power*

production. Presented at the Annual Meeting of the National Strength and Conditioning Association, Las Vegas, NV.

Kupchak, B. R., Quann, E. E., Ballard, K. D. (g), Fernandez, M. L., Seip, R. L., **Kraemer, W. J., Maresh, C. M., & Volek, J. S.** (2010, June). *The effects of a very low carbohydrate diet and statins on coagulation and fibrinolytic parameters*. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD.

La Pia, B., Jones, J., Barona, J., Calle, M., Kim, J. E., McIntosh, M., Kalynych, C., Vukich, C., Najm, W., **Volek, J. S.**, Lerman, R. H., & Fernandez, M. L. (2010, April). *Trunk fat and insulin resistance are positively correlated with carbohydrate intake and glycemic index in subjects classified with the metabolic syndrome*. Presented at Experimental Biology, Anaheim, CA.

Mah, E., Ballard, K. D. (g), Kawieki, D., **Volek, J. S.**, & Bruno, R. S. (2010, April). *γ-Tocopherol supplementation improves postprandial vascular endothelial function in lean and obese men by decreasing oxidative and nitrative stress*. Presented at Experimental Biology, Anaheim, CA.

Malcolm, M., & **Neafsey, P. J.** (2010, April). *Prevention of iatrogenic suffering in the elderly: Reducing inappropriate prescribing with an evidence-based knowledge transfer project*. Poster presented at the Advancing Toward Health: Evidence-based Nursing Applications (ATHENA) Research Conference, Hartford Club, Hartford, CT and University of Connecticut, Storrs, CT.

McClure, K. J. (g), Schierberl Scherr, A. (g), **Lenz, E.**, Powers, T., & **Gorin, A. A.** (2010, February). *Negative attitudes toward obese people lead to less weight loss*. Talk presented at the Data Blitz of the SPSP Preconference on Social Psychology and Health, Las Vegas, NV.

Norton, W. E., Amico, K. R., Fisher, W. A., Cornman, D. H., Shuper, P. A., Trayling, C., **Redding, C., Ferrer, R. A., & Fisher, J. D.** (2009, September). *Information, motivation, and behavioral skills barriers associated with intentional vs. unintentional ARV non-adherence behavior among HIV-positive patients in clinical care*. Presentation at the AIDS Impact Conference in Gaborone, Botswana.

Olson, K. M., Augeri, A. L., Kostek, M. A. (g), Tsongalis, G. J., Seip, R. L., **Maresh, C. M.**, Thompson, P.D., & **Pescatello, L. S.** (2009). Correlates of endothelial function and the peak systolic blood pressure response to a graded maximal exercise. *Medicine & Science in Sports & Exercise*, 41, S248.

Park, C. L. (2009, August). Spiritual and existential changes in adult cancer survivors. In A. H. Peterman (Chair), *Spiritual changes among cancer survivors and implications for adjustment*. Paper presented in symposium conducted at the Annual Convention of the American Psychological Association, Toronto, Canada.

Park, C. L. (2009, August). Violation of Religious and Secular Worldviews and Spiritual Struggle in Cancer Survivors. In A. Ai (Chair), *Existential Crisis---The Role of Spiritual Struggle in Adversity*. Paper presented in symposium conducted at the Annual Convention of the American Psychological Association, Toronto, Canada.

Park, C. L. (2009, November). Posttraumatic stress responses as meaning violation: A test of worldview theory. In C. Benight and T. Pyszczynski (Chairs), *Theoretical Approaches to Trauma Adaptation: Beyond PTSD*. Paper presented in symposium conducted at the Annual Meeting of the International Society for Trauma and Stress Studies, Atlanta, GA.

Park, C. L., Hale-Smith, A., & Fritzelle, C. (2010, March). Differentiating gains and losses in faith: Religious and mental health correlates. In C. L. Park (Chair), *Religious & spiritual development in young adulthood: Recent findings on predictors & relationships with well-being*. Paper presented in symposium conducted at the annual meeting APA Division 36 Midyear Meeting, Columbia, MD.

Park, C. L., Tennen, H., Frazier, P., Mills, M. A., & Gunty, A. (2009, November). *Prospective predictors of exposure to potentially traumatic events*. Paper presented at the Annual Meeting of the International Society for Trauma and Stress Studies, Atlanta, GA.

- Park, C. L., Wortmann, J., & Blank, T. O.** (2009, April). Testing a stress and coping model of fear of recurrence. In C. L. Park (Chair), *Testing theoretical models of fear of recurrence in cancer survivors*. Paper presented in symposium at the Annual Meeting of the Society of Behavioral Medicine, Seattle, WA.
- Park, C.L.** (2009, April). Spirituality and depression in congestive heart failure patients: Race as a moderator? In **C. L. Park** (Chair), *Religion/spirituality and cardiovascular health and illness: Pathways of influence*. Paper presented in symposium at the Annual Meeting of the Society of Behavioral Medicine, Seattle, WA.
- Potrepka, J., & **Copenhaver, M.** (2010). *The impact of age of drug use debut on subsequent HIV risk behavior among injection drug users*. Presented at the annual conference of the College on Problems of Drug Dependence (CPDD), Scottsdale, AZ.
- Potter, C. M., Brady, C., Pless, A. P., King, L. A., King, D. W., **Park, C. L.**, Spiro, A., & Davison, E. H. (2010, March). *Late-Onset Stress Symptomatology (LOSS): Distinct from PTSD?* Presented at the Anxiety Disorders Association of America, Baltimore, MD.
- Quann, E. E., Ballard, K.D. (g), Kupchak, B. R., **Maresh, C. M., Kraemer, W. J.**, Fernandez, M. L., Seip, R. L., & **Volek, J. S.** (2010, April). *A very low carbohydrate diet and increased physical activity improve LDL particle size in individuals taking statins*. Experimental Biology, San Francisco, CA.
- Quann, E. E., Kupchak, B. R., Volk, B. (g), Luz-Fernandez, M., Seip, R. L., **Kraemer, W. J., Maresh, C. M., & Volek, J. S.** (2010, June). *Vascular effects of a carbohydrate restricted diet and increased physical activity in men and women taking statins*. Presented at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
- Ryan, S. M., **Ferrer, R. A., Pescatello, L. S., Huedo-Medina, T. B., & Johnson, B. T.** (2009, May). *The influence of exercise on quality of life among cancer survivors: A meta-analysis*. Paper presented at the 56th annual conference of the American College of Sports Medicine, Seattle, WA.
- Schierberl Scherr, A. (g), **Gorin, A. A.**, Wakefield, D., **Perez-Escamilla, R., & Cloutier, M. M.** (2009, October). *Maternal perception of weight and unhealthy habits in young Hispanic children: Identifying obesity prevention targets for a primary care intervention*. Poster presented at the 27th Annual Scientific Meeting of The Obesity Society, Washington D.C.
- Schierberl Scherr, A. (g), Powers, T., **Lenz, E.**, McClure, K. J. (g), & **Gorin A. A.** (2010, April). *Self-determination theory-based couples intervention for weight loss*. Poster presented at the 31st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Seattle, WA.
- Seip R. L., Gordish-Dressman, H., Devaney, J. M., Gordon, P., Clarkson, P., Angelopoulos, T. J., **Pescatello, L. S.**, Moyna, N. M., Visich, P., Zoeller, R. F., Thompson, P. D., & Hoffman, E. P. (2009). Serum creatine kinase response to initiation of resistance training predicts hypertrophic response in men. *Med Sci Sports Exerc* 41: S408.
- Shuper, P. A., Cornman, D. H.**, MacDonald, S., **Christie, S.**, Frohlich, J., Smith, L. (g), Shepherd, L., Mahlase, G., Pillay, S., Jojo, Z., Quvane, F., Lalloo, U., **Fisher, W. A., & Fisher, J. D.** (2009, September). *Development and pilot testing of an HIV risk-reduction intervention tailored for HIV-positive women and men in clinical care in KwaZulu-Natal, South Africa*. Paper presented at the AIDS Impact Conference, Gaborone, Botswana.
- Snyder, L. B., Johnson, B. T., Huedo-Medina, T. B.**, LaCroix, J., Smoak, N., & Cistulli, M. (2009, November). *Effectiveness of media interventions to prevent HIV, 1986-2006: A meta-analysis*. Paper presented at the Annual Meeting of the American Public Health Association, Philadelphia, PA.
- Stratton, J., & **Harel, O.** (2009, August). *Accounting for two types of missing data to estimate the accuracy of a binary diagnostic-test*. Paper presented at the Joint Statistical Meeting (JSM), Washington, DC.
- Tan, J. Y. (g), & **Johnson, B. T.** (2009). *Efficacy of HIV interventions in developing countries in Asia and the Pacific region, 1995-2009: A meta-analysis*. Poster presented at the Annual Meeting of the American Public Health Association, Philadelphia, PA.

- Thomas, D. D., Ballard, K. D. (g), Quann, E. E., Puglisi, M. J., Forsythe, C. E., Volk, B. M. (g), Maria-Luz, L., Fernandez, M. L., **Kraemer, W. J., Volek, J. S.**, & Scheett, T. P. (2010, June). *Carbohydrate-restricted diet with and without resistance training: Effect on immune function and indices of health*. Presented at Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
- Walsh, S., Angelopoulos, T. J., Clarkson, P. M., Gordon, P. M., Moyna, N. M., Visich, P. S., Zoeller, R. F., Seip, R. L., Bilbie, S., Thompson, P. D., Hoffman, E. P., Price, T. B., Devaney, J. M., & **Pescatello, L.S.** (2009). Vitamin D receptor genetic variants and the muscle size and strength response to resistance training. *Medicine & Science in Sports & Exercise*, 41: S583.
- Wortmann J. H. (g), **Park, C. L.**, & Edmondson, D. (g) (2009, August). *Religious beliefs as predictors of spiritual struggle*. Paper presented at the Annual Convention of the American Psychological Association, Toronto, ON.
- Zlateva, I., **Park, C. L.**, & **Blank, T. O.** (2009, August). *Self-identities after cancer: Predictors and determinants of adjustment*. Poster presented at the Annual Convention of the American Psychological Association, Toronto, ON.
- Zona, K. (g), & **Milan, S.** (2010, April). *Gender differences on the effect of violence exposure on mental health on urban adolescents*. Poster presentation at Society for Research on Adolescence (SRA), Philadelphia, PA.

Invited Scholarly Colloquia, Presentations, and Symposia

- Amico, K. R.** (2009, March). *Engagement in care for chronic medical conditions- The case of HIV*. Invited presentation at Wayne State University, Clinical Lecture Series, Detroit, MI.
- Blank, T. O.** (2009, November). *Family caregiver involvement: A creative future direction in cancer care*. Presented in a symposium at the Gerontological Society of America Annual Meeting, Atlanta, GA.
- Blank, T. O.**, Descartes, L., Asencio, M., & Crawford, A. (2009, November). *The Intersection of Aging, Sexuality, and the Prostate: Gay and Bisexual Men's Perspectives*. Presented in a symposium at the Gerontological Society of America Annual Meeting, Atlanta, GA.
- Broadhead, R. S.** (2009, October). *Workshop on US-Russia Prevention Science*. Invited workshop for the National Institutes of Health, Office of AIDS Research, Bethesda, MD.
- Broadhead, R. S.** (2010, May). *Workshop on Building US-Russia Collaborative Research Teams in HIV Prevention Science*. Invited workshop for the National Institutes of Health, Office of AIDS Research, Bethesda, MD.
- Cornman, D. H.** (2009, April). *Behavioral HIV prevention interventions: One size does not fit all*. Invited presentation at 2010 International Military HIV/AIDS Conference, Arusha, Tanzania.
- Cornman, D. H.** (2009, December). *Reducing risky sexual behavior among PLWH by modifying clinicians' behavior*. Invited presentation at HIV Clinical Forum, New York Academy of Medicine, New York City, NY.
- Fisher, J. D.** (2009, June). *The IMB Model and Prevention for Positives*. Invited presentation at The Institute for Community Research (ICR), Hartford, CT.
- Fisher, J. D.** (2009, October). *The IMB model, HIV prevention for positives, and adherence*. Invited colloquium at the Institute of Human Development and Social Change, New York University, NY.
- Fisher, J. D.** (2010, February). *Using the IMB model to change HIV risk and other unhealthy behaviors*. Invited colloquium at the National Cancer Institute CrossTalk Lecture Series, Bethesda, MD.
- Fisher, J. D.** (2010, March). *The IMB model, HIV prevention for positives, and adherence*. Invited colloquium at Center for Drug Use and HIV Research, New York University, College of Nursing, New York, NY.
- Fisher, J. D., Cornman, D. H.**, Cunningham, J., Low, R.(g), **Chaudoir, S.**, & Ohalet, N. (2010, March). *COBB/NMA/UCONN Partnership on the Options Project: Changing risky behavior in HIV-positive patients*. Invited colloquium at the National Medical Association Eleventh National Colloquium on African American Health Conference, Arlington, VA.

- Gorin, A. A.** (2010, April). *Addressing the family environment in weight management: Lessons learned from recent obesity trials*. Invited talk at Roadmap to Better Health: Translating Behavioral Science into Practice Conference, University of Rochester School of Medicine and Dentistry, Rochester, NY.
- Gorin, A. A.,** Raynor, H. A., Crane, M., Maguire, K., Robichaud, E., & Wing, R. R. (2010, April). Benefits of enrolling a partner in weight loss treatment. In M. Kiernan (Chair), *A new look at social support for long-term weight management*. Symposium conducted at the annual meeting of the Society of Behavioral Medicine, Seattle, WA.
- Harel, O.** (2009, October). *Strategies for data analysis with two types of missing values*. Invited presentation at the Biostatistics Seminar, UCLA, Los Angeles, CA.
- Harel, O.** (2009, November). *The impact of model mis-specification on the outfluence*. Invited presentation at the 4th International ISKE Conference on Intelligent Systems and Knowledge Engineering, Hasselt, Belgium.
- Harel, O.** (2009, November). *Strategies for data analysis with two types of missing values*. Invited presentation at the Statistics Seminar, Hasselt University, Hasselt, Belgium.
- Harel, O.** (2010, January). *Assessing privacy using the area under the receiver-operator characteristic curve*. Invited presentation at the 8th International Conference on Health Policy Statistics (ICHPS), Washington, DC.
- Harel, O.** (2010, February). *Inferences on missing information under multiple imputation and two-stage multiple imputation*. Invited presentation at NIH/NIAID, Rockville, MD.
- Harel, O.** (2010, April). *How to complete the incomplete: A statistical antidote for incomplete data sets*. Invited presentation at the Epidemiology/Biostatistics seminar University of Massachusetts, Amherst, MA.
- Johnson, B. T.** (2009, May). *Improving the evidential basis of ACSM position stands: Toward a thoroughly evidence-based sports medicine*. Invited presentation, Pronouncements Committee, American College of Sports Medicine, Seattle, WA.
- Johnson, B. T.** (2009, May). *Meta-analysis*. Invited 1.5-day workshop, Department of Psychology, Syracuse University, Syracuse, NY.
- Johnson, B. T.** (2009, July). *Meta-Analysis*. Invited one-day workshop, Summer Institute of Social Psychology, convened by the Society for Personality and Social Psychology, Evanston, IL.
- Johnson, B. T.** (2009, September). *Meta-analysis*. Invited one-day workshop, Université de Provence, Marseille, France.
- Kalichman, S. C.** (2009, May). *Healthy relationships: The research*. Invited presentation at Healthy Relationships Institute, State of New York Department of Health and the CDC, New York City, NY.
- Kalichman, S. C.** (2009, October). *HIV does not cause AIDS: The psychology of AIDS denialism*. Invited presentation at the Department of Psychology, Boston University, Boston, MA.
- Kalichman, S. C.** (2009, November). *HIV does not cause AIDS and the dangers of AIDS denialism*. Invited presentation conducted at *Harvard University's Symposium on HIV Denialism, Mistrust, and Stigma*, Boston, MA.
- Kalichman, S. C.** (2010, January). *AIDS denialism: A global threat to public health (not just South Africa)*. Invited presentation at Stellenbosch University, Stellenbosch, South Africa.
- Kalichman, S. C.** (2010, February). *If gay men stopped using drugs, they would stop getting AIDS and other myths of AIDS denialism*. Invited presentation at Rainbow Center, University of Connecticut, Storrs, CT.
- Kraemer, W. J.** (2009, July). *The importance of endocrine system before, during and after resistance exercise*. Invited presentation at the Annual Meeting of the National Strength and Conditioning Association, Las Vegas, NV.
- Kraemer, W. J.** (2009, October). *Sports Nutrition Symposium*. Invited symposium at the Annual Meeting of the American College of Nutrition, Orlando, FL.

- Kraemer, W. J.** (2009, November). *Inducing muscle growth after puberty: Endogenous and exogenous hormonal enigmas*. Annual Meeting of the New England Chapter of the American College of Sports Medicine, Providence, RI.
- Kraemer, W. J.** (2010, January). *Using science in strength and conditioning*. Invited presentation at the National Strength and Conditioning Association's Sport Specific Conference, Orlando, FL.
- Kraemer, W. J.** (2010, February). *The influence of protein, amino acids and beta-hydroxy-beta-methylbutyrate (HMB) supplementation with strength training and muscular development*. Invited remote telecast from Storrs, CT for Abbott Laboratories Sports Nutrition Series, Las Vegas, NV.
- Kraemer, W. J.** (2010, April). *Advanced training techniques for strength and hypertrophy*. Invited presentation at the American College of Sports Medicine Health & Fitness Summit and Exposition, Dallas, TX.
- Kraemer, W. J.** (2010, June). *Athletic conditioning: Use of technology in the 21st century*. Invited presentation at the Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
- Kraemer, W. J.** (2010, June). *A Job in Academics*. Invited presentation at Student Colloquium, Annual Meeting of the American College of Sports Medicine, Baltimore, MD.
- Marsh, K. L.** (2009, December). *Rocking to the beat: Auditory and visual avenues to interpersonal coordination of movement*. Invited talk at Interdisciplinary Workshop: Entrainment, Joint Action and Ensemble, Open University, Milton Keynes, United Kingdom.
- Park, C. L.** (2009, August). *New directions in trauma research*. Invited discussant for symposium, American Psychological Association Annual Convention, Toronto, ON.
- Park, C. L.** (2009, September). *Stress, coping, and meaning making in cancer survivorship*. Invited talk at State of the Science in Coping Research: A Festschrift in Honor of Susan Folkman, University of California-San Francisco, San Francisco, CA.
- Park, C. L.** (2009, October). *Reciprocal influences of religiousness and trauma: Resistance, resilience, and transformation*. Invited presentation at Psychology Department Colloquium, Bowling Green State University, Bowling Green, OH.
- Park, C. L.** (2010, March). *Reciprocal influences of religiousness and trauma*. Invited presentation at Psychology Department Colloquium, Columbia University, New York, NY.
- Park, C. L.** (2010, March). *Stress, coping, and meaning research: Applications to cancer survivorship*. Invited presentation at the Psychology Department Colloquium, University of North Carolina, Chapel Hill, NC.
- Park, C. L.** (2010, April). *Religious coping and health: Taking a closer look*. Invited address at Spirituality and Health Special Interest Group Midday Meeting, Society of Behavioral Medicine Annual Meeting, Seattle, WA.
- Pescatello, L. S.** (2009). *A synopsis of exercise genomics research from the Health Fitness Research Laboratory, Connecticut Institute for Clinical and Translational Science (CICATS)*. Invited presentation at University of Connecticut Graduate Business Learning Center, Hartford, CT.
- Pescatello, L. S.** (2009). *The promises and challenges of the use of exercise genomics in ExRx for hypertension*. Invited presentation at the 13th International Symposium of Physical Activities, Brazilian Army Research and Physical Capacitation Institute, Rio de Janeiro, Brazil.
- Pescatello, L. S.** (2009). *Antihypertensive effects of exercise- dose-response vs genetic determinants*. Invited presentation at the 13th International Symposium of Physical Activities, Brazilian Army Research and Physical Capacitation Institute, Rio de Janeiro, Brazil.
- Pescatello, L. S.** (2010). *The exercise prescription recommendations for healthy aging*. Invited presentation at University of Connecticut Health Center, Farmington, CT.

- Pescatello, L. S.** (2010). *A Doctoral research seminar on exercise genomics*. Invited presentation at Columbia University, Teachers College, Department of Biobehavioral Sciences, Program in Applied Physiology, New York, NY.
- Singer, M.** (2009, October). *Contradiction and contestation in Haitian development: The challenges of ethnographic rapid assessment in a crisis*. Invited guest speaker for the Department of Anthropology, Bard College, Annandale-on-Hudson, New York, NY.
- Singer, M.** (2010, March). *At gravest risk: Swine-origin Influenza (H1N1) and health disparities*. Invited guest speaker for the Health Care Symposium, Center for the Comparative Study of Race and Ethnicity, Connecticut College, New London, CT.
- Singer, M.** (2010, March). *Licit and illicit drug capitalism: An anthropological perspective*. Invited guest speaker for the Department of Anthropology, Central Connecticut State University, Newington, CT.
- Volek, J. S.** (2009, June). *Impact of nutrition on lean body mass and exercise recovery in athletes*. Invited presentation at Abbott Nutrition Research Conference, Columbus, OH.
- Volek, J. S.** (2009, October). *Effects of protein source on adaptations to resistance training*. Invited presentation at the American College of Nutrition, Orlando, FL.
- Volek, J. S.** (2009, November). *Carbohydrates – The real energy in energy drinks*. Invited presentation at the New England American College of Sports Medicine Annual Conference, Providence, RI.
- Volek, J. S.** (2009, November). *Dietary carbohydrate restriction uniquely targets features of metabolic syndrome*. Invited presentation at the New England American College of Sports Medicine Annual Conference, Providence, RI.
- Volek, J. S.** (2010, April). *Low carbohydrate ketogenic diets uniquely benefit metabolic syndrome*. Invited presentation at the 21st Congress of the Spanish Society of Diabetes, Barcelona, Spain.
- Volek, J. S.** (2010, May). *An updated perspective on the role of dietary saturated fat on cardiovascular risk*. Invited presentation at the Grand Forks Human Nutrition Center, Grand Forks, ND.
- Volek, J. S.** (2010, June). *High carbohydrate/low carbohydrate debate*. Invited presentation at the American College of Sports Medicine, Baltimore, MD.
- Volek, J. S.** (2010, June). *Maximizing effective exercise recovery: The top 7 things you can expect from your body by using Carnipure® prior to and after exercise*. Invited presentation at the International Society of Sports Nutrition, Clearwater, FL.
- Wagstaff, D., & Harel, O.** (2010, March). *Comparing the performance of three small-sample approximations to the multiple imputation degrees of freedom*. Invited talk at Department of Human Development and Family Studies, State College, PA.

APPENDIX 18: Selected CHIP Graduate Student Research Projects, Publications, Manuscripts, Presentations, and Achievements

Graduate Student Multidisciplinary Research Projects

Kevin Ballard is a fourth-year Ph.D. student in **Kinesiology**. Working with his advisor, Jeff Volek, Mr. Ballard's primary research interests include examining the impact of lifestyle factors (e.g., exercise, diet, smoking) on vascular endothelial function and dysfunction with aging and/or disease. Mr. Ballard's dissertation study examines the effects of whey protein supplementation on vascular function in middle aged men and women.

Ifeoma Ezeabogu (Allied Health) works with Dr. Michael Copenhaver on the Community-Friendly Health Recovery Program (CHRP+) in New Haven. Specifically, she examines neurocognitive impairment in drug-involved people living with HIV and the ways this impacts antiretroviral adherence and harm reduction outcomes. Ms. Ezeabogu is working with elicitation data to develop a harm reduction intervention for soon-to-be released drug-involved HIV-positive prisoners in Malaysia. She will complete her Master's program in Allied Health Sciences in the fall and has already been accepted into the doctoral program in Public Health at UConn.

TaShauna Goldsby is a first-year Ph.D. student in **Public Health**. Ms. Goldsby's research examines perceived discrimination and cardiovascular health in minority populations. In addition, she is working with Linda Pescatello (Kinesiology) and Danielle Barry at the University of Connecticut Health Center, studying the use of Contingency Management (CM) for promoting weight loss in university students.

Courtney Jensen is a first-year doctoral student in **Kinesiology**. With advisor, Linda Pescatello, Ms. Jensen is studying the impact of exercise on health outcome variables in substance abusing populations. Her work is part of a multidisciplinary research collaboration with Diane Barry at the University of Connecticut Health Center.

Matt Kostek completed his Ph.D. in **Kinesiology** in May 2010. His advisor is Linda Pescatello. Dr. Kostek's dissertation research was a multidisciplinary study entitled, *Genetic Determinants of Habitual Physical Activity*, which examined associations among individuals' gene variants and habitual physical activity in young, healthy adult men and women. This year, Matt also continued to coordinate the study entitled, *Effects of Statins on Muscle Performance* (STOMP), which is a multi-center clinical trial designed to examine the effects of Lipitor on measures of muscle strength and aerobic performance.

Carter Lennon is first-year Ph.D. candidate in **Psychology**, and is working with her advisor, Blair Johnson, on a meta-analysis of the effectiveness of HIV prevention trials in alleviating depression in women. This project seeks to synthesize all available research on depression in the context of HIV prevention interventions in order to understand how HIV prevention interventions can be utilized to decrease levels of depression which may result from, or may lead to, many HIV risk factors.

Rob Low is a first-year doctoral student in **Psychology**, working with Jeff Fisher and Debbie Cornman to study HIV risk dynamics among African American individuals with HIV, examining ethnic and racial health disparities. Mr. Low is also implementing a theory-based campaign to increase hygiene in the classroom, examining the interaction between descriptive and injunctive norm-based appeals and their effect on the uptake of sanitizing keyboard wipes.

Kimberly McClure is a third-year Ph.D. student in **Psychology**. Ms. McClure is studying the relationship between obesity stigma and health outcomes, working closely with Amy Gorin and Diane Quinn. Ms. McClure also collaborates with researchers at Yale University's Rudd Center for Food Policy and Obesity, examining media portrayals of obese persons.

Nicole Overstreet (Psychology) is a third-year Ph.D. student working with advisor Kerry Marsh on her virtual reality grant, examining sexual risk behavior in a virtual environment. As part of that work, Ms. Overstreet acts as a liaison between Dr. Marsh's research team and the Institute for Community Research in Hartford.

Laramie Smith (Psychology) is a third-year Ph.D. student working on a CHIP study based in South Africa with her advisor, Jeff Fisher, and Debbie Cornman, Bill Fisher, and Paul Shuper. In addition, Ms. Smith is conducting research in the area of HIV health care utilization with Rivet Amico and Jeff Fisher, specifically focusing on the role of retention in HIV medical care which is crucial in facilitating optimal individual and community health outcomes.

Judy Tan is a fourth-year Ph.D. student in **Psychology**, whose research interests focus on social and health inequality. With her advisor, Blair Johnson, Ms. Tan is completing a meta-analysis on the efficacy of HIV/AIDS interventions conducted in Asia and the Pacific region. Her dissertation seeks to develop an ecological model of HIV risk behavior among ethnic minority men.

Graduate Student Publications and Manuscripts

The references below are listed alphabetically by first author. CHIP graduate students' names are in bold. Note that there may be some overlap between this appendix and Appendix 17 (*pages 90-108*), which is the list of selected CHIP PI publications. A complete list of graduate student publications, manuscripts, and presentations would be much longer.

Ash, G. I., Scott, R. A., Dawson, T. A., Wolde, B., Bekele, Z., Teka S., & Pitsiladis, Y. P. No association between ACE gene variation and endurance athlete status in Ethiopians. Manuscript submitted for publication.

Ballard, K. D., & Bruno, R. S. Clinical importance, dietary and lifestyle management strategies, and analytical assessment of asymmetric dimethylarginine in relation to nitric oxide-dependent vascular endothelial function in obesity. Manuscript submitted for publication.

Ballard, K. D., Bruno, R. S., Seip, R. L., Quann, E. E., **Volk, B. M.**, **Freidenreich, D. J.**, Kawiecki, D. M., Kupchak, B. R., Chung, M. Y., Kraemer, W. J., & Volek, J. S. (2009). Acute ingestion of a novel whey-derived peptide improves vascular endothelial responses in healthy individuals: A randomized, placebo controlled trial. *Nutrition Journal*, 8, 34. doi:10.1186/1475-2891-8-34

Forsythe, C. E., Phinney, S. D., Feinman, R. D., **Volk, B. M.**, **Freidenreich, D.**, Quann, E. E., **Ballard, K. D.**, Puglisi, M. J., Maresh, C. M., Kraemer, W. J., Bibus, D. M., Fernandez, M. L., & Volek, J. S. Substituting saturated for unsaturated fat on a low carbohydrate diet: Part I – Effect on plasma saturated fat and atherogenic dyslipidemia. Manuscript submitted for publication.

Forsythe, C. E., Phinney, S. D., Feinman, R. D., Volk, B. M., **Freidenreich, D.**, Quann, E. E., **Ballard, K. D.**, Puglisi, M. J., Maresh, C. M., Kraemer, W. J., Bibus, D. M., Fernandez, M. L., & Volek, J. S. Substituting saturated for unsaturated fat on a very low carbohydrate diet: Part II – Effect on plasma polyunsaturated fatty acids, and oxidative stress. Manuscript submitted for publication.

Hoffman, J., Ratamess, N., Kang, J., Rashti, S., **Kelly, N.**, Gonzalez, A., Stec, M., Anderson, S., Bailey, B., Yamamoto, L., Hom, L., Kupchak, B., Faigenbaum, A., & Maresh, C. M. (2010). Examination of the efficacy of acute L-alanyl-L-glutamine ingestion during hydration stress in endurance exercise. *Journal of the International Society of Sports Nutrition*, 7(1), 8.

Kostek, M. A., Angelopoulos, T. J., Clarkson, P. M., Gordon, P. M., Moyna, N. M., Visich, P. S., Zoeller, R. F., Thompson, P. D., Devaney, J., Gordish-Dressman, H., Hoffman, E. P., Maresh, C. M., & Pescatello, L. S. (2009). Vdr influence physical activity participation. *Medical Science and Sports Medicine*, 41, S122.

Kostek, M. A., Hubal, M. J., & Pescatello, L. S. (in press). The role of genetics in developing muscle strength. *American Journal of Lifestyle Medicine*.

- Kostek, M. A.**, Angelopoulos, T. J., Clarkson, P. M., Gordon, P. M., Moyna, N. M., Visich, P. S., Zoeller, R. F., Price, T. B., Seip, R. L., Thompson, P. D., Devaney, J., Gordish-Dressman, H., Hoffman, E. P., & Pescatello, L. S. AKT1 and FBXO32 polymorphisms associate with physical activity and muscle performance in healthy Caucasian adults. Manuscript in preparation.
- Kraemer, W. J., Solomon-Hill, G., Flanagan, S. D., **Comstock, B. A.**, Earp, J. E., Coday, M. A., **Dobbins, K. A.**, Dunn-Lewis, C., Hopkins, A. K., Fragala, M. S., Ho, J. Y., Thomas, G. A., Penwell, Z. R., Hatfield, D. L., Vingren, J. L., Powell, H. D., Wolf, M. R., Volek, J. S., & Maresh, C. M. Construct validity of the myotest in measuring force and power production. Manuscript submitted for publication.
- McClure, K. J.**, Puhl, R. M., & Heuer, C. A. (in press). Obesity in the news: Do photographic images of obese persons influence anti-fat attitudes? *Journal of Health Communication*.
- Overstreet, N. M.**, Quinn, D. M., & Agocha, B. (in press). Beyond thinness: Exploring the influence of a curvaceous body ideal on body dissatisfaction in Black and White women. *Sex Roles*.
- Selinsky, E. R., **Kostek, M. A.**, Angelopoulos, T. J., Clarkson, P. M., Gordon, P. M., Moyna, N. M., Visich, P. S., Zoeller, R. F., Price, T. B., Seip, R. L., Thompson, P. D., Devaney, J., Gordish-Dressman, H., Hoffman, E. P., & Pescatello, L. S. Genetic variants of IL-15 and IL-15R α correlate with physical activity levels among young Caucasian adults. Manuscript in preparation.
- Simoni, J. M., Amico, K. R., **Smith, L.**, & Nelson, K. (2009). Antiretroviral adherence interventions: Translating research findings to real world clinics. *Current HIV/AIDS Reports*, 7(2), DOI10.1007/s11904-009-0037-5.
- Simoni, J. M., Walters, K., **Smith, L.**, & Lehovet, K. (invited chapter, under review). Physical health disparities in lesbian and sexual minority women. In *The Psychology of Sexual Orientation*, Ed: Charlotte J. Patterson and Tony D'Augelli.
- Goldsby, T. U.**, Weinstock J., Petry, N. M., Capizzi, & Pescatello, L. S. (2010). Motivational interventions for physical activity among college students. *Medicine & Science in Sports & Exercise*, 42(5), S157.

Conference Proceedings and Presentations (short paper, abstract, or poster)

- Amico, K. R., Giordano, T., Mugavero, M., Safren, S., Simoni, J., & **Smith, L. R.** (2010, May). *Building blocks for interventions: Explanatory and delivery models in ARV adherence and HIV-care utilization*. Workshop presented at 5th International Conference on HIV Treatment Adherence, Miami Beach, FL.
- Amico, K. R., **Smith, L. R.**, Urso, J., Odesina, V., Diaz, V., Kwon, S., & Dieckhaus, K. (2010, May). *Retention in HIV-care: Correlates of gaps in HIV-care*. Poster presented at 5th International Conference on HIV Treatment Adherence, Miami Beach, FL.
- Ballard, K. D.**, Quann, E. E., Kupchak, B. R., **Volk, B. M.**, Fernandez, M. L., Seip, R. L., Kraemer, W. J., Maresh, C. M., & Volek, J. S. (2010, June). *Vascular effects of a carbohydrate restricted diet and increased physical activity in men and women taking statins*. Poster presented at American College of Sports Medicine Annual Meeting, Baltimore, MD.
- Ballard, K. D.**, Bruno, R. S., Seip, R. L., Quann, E. E., **Volk, B. M.**, **Freidenreich, D. J.**, Kawiecki, D. M., Kraemer, W. J., FACSM, & Volek, J. S. (2010, June). *Effects of a novel whey-derived peptide on vascular responses in healthy individuals*. Poster presented at American College of Sports Medicine Annual Meeting, Seattle, WA.
- Ezeabogu, I.**, & Copenhaver, M. (2010). *The influence of neuro-cognitive impairment on intervention outcomes among injection drug users living with HIV/AIDS*. Presented at the Annual Conference of the College on Problems of Drug Dependence (CPDD), Scottsdale, AZ.
- Farmer, G. W.**, Handrick, M. S., Peterson, K., Scharff, D. P., Mayer, J. P., & Copanas, K. (2009, November). *Balancing resources and needs: Using GIS to create asset maps of essential resources for Healthy Start participants in St. Louis, MO*. Paper presented at Annual Meeting of the American Public Health Association, Philadelphia, PA.

- Fan, Q.W.,** Olson, K. M., **Walker, T. J., Ash, G. I.,** Volek, J. S., Kraemer, W. J., Gomez, A. L., Stratton, J. H., & Pescatello, L. S. (2010). *The variability in ambulatory blood pressure assessments on two non-consecutive days*. Poster presented at American College of Sports Medicine Annual Meeting, Baltimore, MD.
- Gaskins, J. L., & **Overstreet, N. M.** (2009, October). *Double jeopardy: Understanding the intersectional stigma of same-sex domestic violence*. Paper presented at Diversity Challenge Conference sponsored by Boston College, Chestnut Hill, MA.
- Fisher, J. D., Cornman, D., Cunningham, J., **Low, R. E.,** Chaudoir, S., & Ohalet, N. (2010, March). *Changing risky behavior in HIV+ patients*. Paper presented at 11th Annual Meeting of the National Medical Association, Arlington, VA.
- McClure, K. J.,** & Quinn, D. M. (co-chairs, 2010, May). *Multiple approaches to understanding the prevalence and impact of weight stigma*. Symposium conducted at Annual Conference of the Association for Psychological Science, Boston, MA.
- McClure, K. J.,** Heuer, C. A., & Puhl, R. M. (2010, May). *Images of obese people in the news: Prevalence and impact on anti-fat attitudes*. Paper presented at Annual Conference of the Association for Psychological Science, Boston, MA.
- McClure, K. J., Schierberl Scherr, A.,** Lenz, E., Powers, T., & Gorin, A. A. (2010, February). *Negative attitudes toward obese people lead to less weight loss*. Paper presented at Data Blitz of the SPSP Preconference on Social Psychology and Health, Las Vegas, NV.
- McClure, K. J.,** & Quinn, D. M. (2010, January). *The impact of a faux concealable stigma: A new methodological approach for studying concealable stigmatized identities*. Poster presented at Annual Conference of the Society for Personality and Social Psychology, Las Vegas, NV.
- Olson, K. M.,** Augeri, A. L., **Kostek, M. A.,** Tsongalis, G. J., Seip, R. L., Maresh, C. M., Thompson, P.D., & Pescatello, L. S. (2009). Correlates of endothelial function and the peak systolic blood pressure response to a graded maximal exercise. *Medicine & Science in Sports & Exercise*, 41, S248.
- Overstreet, N. M.,** McCafferty, E., Cameron, A., & Quinn, D. M. (2010, May). *Implications of the Jezebel Stereotype on Sexual Objectification Outcomes in Black Women*. Poster presented at 22nd Annual Meeting of the Association for Psychological Science, Boston, MA.
- Overstreet, N. M.,** Quinn, D. M., & Agocha, B. (2010, January). *Expanding the relationship between body dissatisfaction and objectification beyond weight*. Poster presented at 11th Annual Meeting of the Society for Personality and Social Psychology, Las Vegas, NV.
- Overstreet, N. M.** (2009, August). *What is ideal? A structural equation approach to body dissatisfaction*. Poster presented at the 117th Annual Convention of the American Psychological Association, Toronto, Canada.
- Overstreet, N. M.,** & Quinn, D. M. (2010, March). *Beyond Thinness: Exploring the influence of a curvaceous body ideal on appearance concerns in Black and White women*. In L.M. Ward (Chair), Sexualized and shapely: Media myths, models, and messages among African American adolescents. Paper symposium presented at Biennial Meeting of the Society for Research on Adolescence. Philadelphia, PA.
- Schierberl Scherr, A.,** Powers, T., Lenz, E., **McClure, K. J.,** & Gorin A. A. (2010, April). *Self-determination theory-based couples intervention for weight loss*. Poster presented at 31st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Seattle, WA.
- Smith, L. R.,** & Amico, K. R. (2010, April). *Exploring core determinants of HIV care utilization: a theory-based approach*. Invited oral presentation at Seattle-King County Public Health, HIV/AIDS Programs Epidemiology Lecture Series, Seattle, WA.
- Smith, L. R.,** Amico, K. R., Fisher, J. D., Diaz, V., Hudd, K., Lee, G. S., & Cunningham, C.O. (2010, May). *Retention and re-engagement in HIV clinical care in an inner-city population: A qualitative theory-based approach to*

understanding core facilitators and barriers to care utilization. Poster presented at 5th International Conference on HIV Treatment Adherence, Miami Beach, FL.

Smith, L. R., Amico, K. R., Norton, W. E., Cornman, D. H., Fisher, W. A., Shuper, P. A., Trayling, C., Redding, C. G., & Fisher, J. D. (2010, April). *HIV-positive patients' assessment of LifeWindows: A computer-delivered ARV adherence*. Poster presented at 31st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Seattle, WA.

Tan, J. Y., & Johnson, B. T. (2009). *Efficacy of HIV interventions in developing countries in Asia and the Pacific region, 1995-2009: A meta-analysis*. Poster presented at the Annual Meeting of the American Public Health Association, Philadelphia, PA.

Selected Honors & Awards

Ash, G., CHIP Seed Grant for Graduate Student Pilot Projects, awarded by the Center for Health, Intervention, and Prevention (CHIP), University of Connecticut. March 2010 - June 2012. *A pilot study of the comparison of the immediate aftereffects of aerobic (AE) and ischemic handgrip (IHG) exercise on blood pressure (BP) and vascular function among adults with high blood pressure*. [Mentor: Linda Pescatello].

Ballard, K., Outstanding Graduate Student Scholar in Exercise Science, UConn Neag School of Education Helen Reynolds Scholarship Recipient. 2010. [Mentor: Jeff Volek].

Ballard, K., American College of Sports and Medicine Nutrition Interest Group Student Research Award. 2009. [Mentor: Jeff Volek].

Lennon, C. A. NIMH Institutional NRSA Elected Trainee, University of Connecticut. 2009-2012. *Training in Social Processes of HIV/AIDS*. [Mentor: Blair Johnson].

McClure, K., Society for the Psychological Study of Social Issues Clara Mayo Grant. July 2009-July 2011. *Ego Depletion as a potential consequence of weight stigma*. [Mentor: Diane Quinn].

McClure, K., CHIP Seed Grant for Graduate Student Pilot Projects, awarded by the Center for Health, Intervention, and Prevention (CHIP), University of Connecticut. March 2009-June 2011. *Stigma as a barrier to health: The deleterious effects of weight stigma on health*. [Mentor: Amy Gorin].

Smith, L. R., Student Abstract Competition Winner, Center for Interdisciplinary Research on AIDS (CIRA) 9th Annual AIDS Science Day Conference, New Haven, CT. April 2010. Oral presentation by Smith, L. R., Cornman, D. H., MacDonald, S. Shuper, P. A., Christie, S., Shepard, L. M., Fisher, W. A., & Fisher, J. D. (2010, April). *Piloting prevention for positives intervention in South Africa: A descriptive examination of risk behavior and utility of risk reduction strategies for HIV-positive patients receiving HIV medical care*. [Mentor: Jeff Fisher].

Smith, L.R., & Earnshaw, V.A., (Co-PI), CHIP Seed Grant for Graduate Student Pilot Projects, awarded by the Center for Health, Intervention, and Prevention (CHIP), University of Connecticut. March 2010 – March 2012. *Evaluation and generalizability of the HIV stigma framework*. [Mentors: Jeff Fisher and Michael Copenhaver]

Smith, L.R., Society for the Psychological Study of Social Issues (SPSSI) Grant-in-Aid Award. June 2009 – June 2010. *Engagement in HIV care: Identifying core factors underlying care-utilization recommendations for inner city people living with HIV/AIDS.* [Mentors: Jeff Fisher and Rivet Amico].

Smith, L. R., CHIP Seed Grant for Graduate Student Pilot Projects, awarded by the Center for Health, Intervention, and Prevention (CHIP), University of Connecticut. March 2009-June 2011. *Engagement in care: Identifying core factors underlying adherence to care, total funding. \$1,500*. [Mentor: Jeff Fisher].

Tan, J. Y., Society for the Psychological Study of Social Issues (SPSSI) Grant-in-Aid Award. December 2009-December 2010. *A model of HIV/AIDS risk behavior among Asian American Pacific Islander MSM*. [Mentor: Blair Johnson]

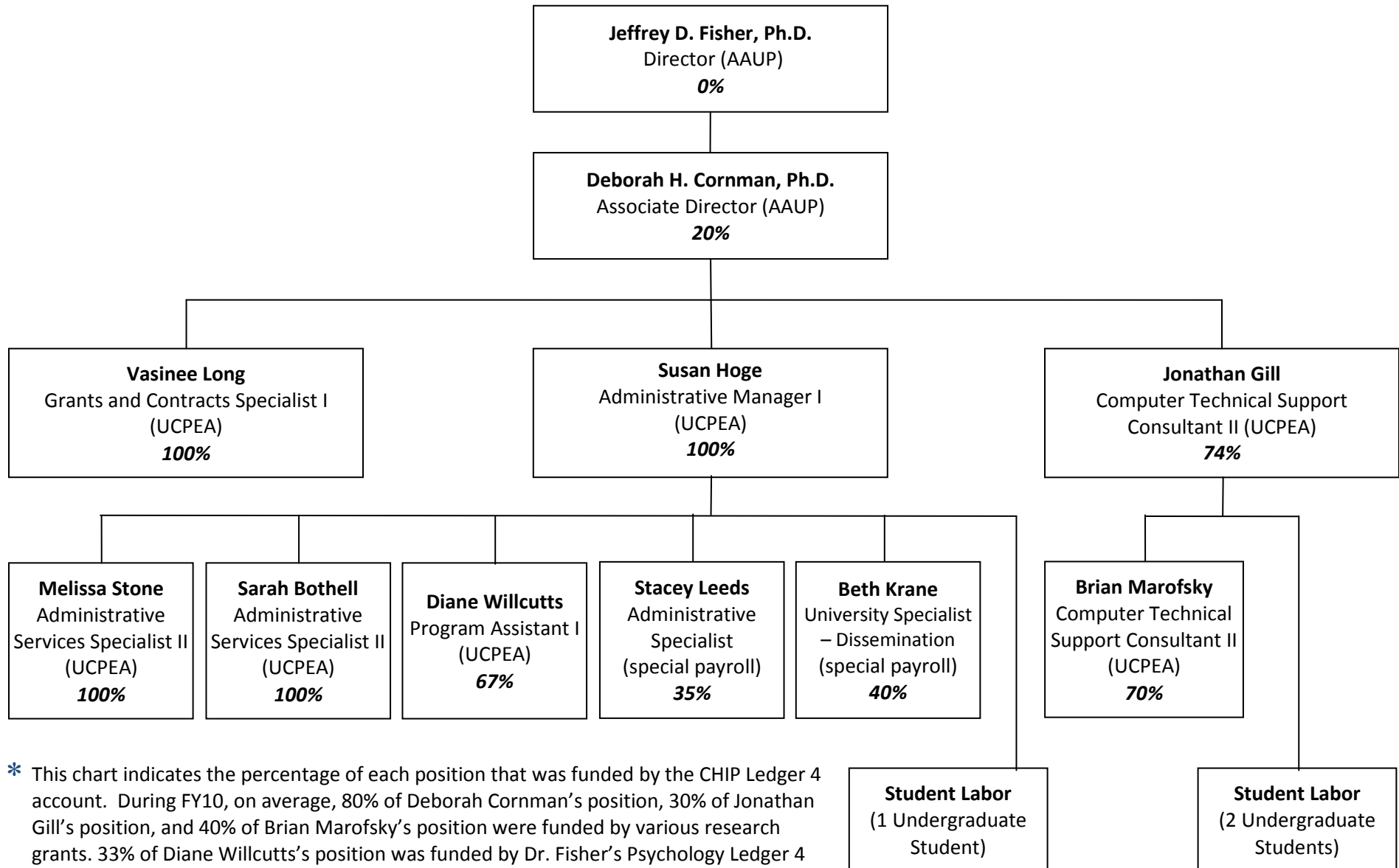
Tan, J. Y., Recipient of Advanced Training Institute Travel Grant, American Psychological Association. [Mentor: Blair Johnson]

Tan, J. Y., Recipient of Family Research Methodological Studies Award, Center for Research on Families, UMass Amherst. [Mentor: Blair Johnson]

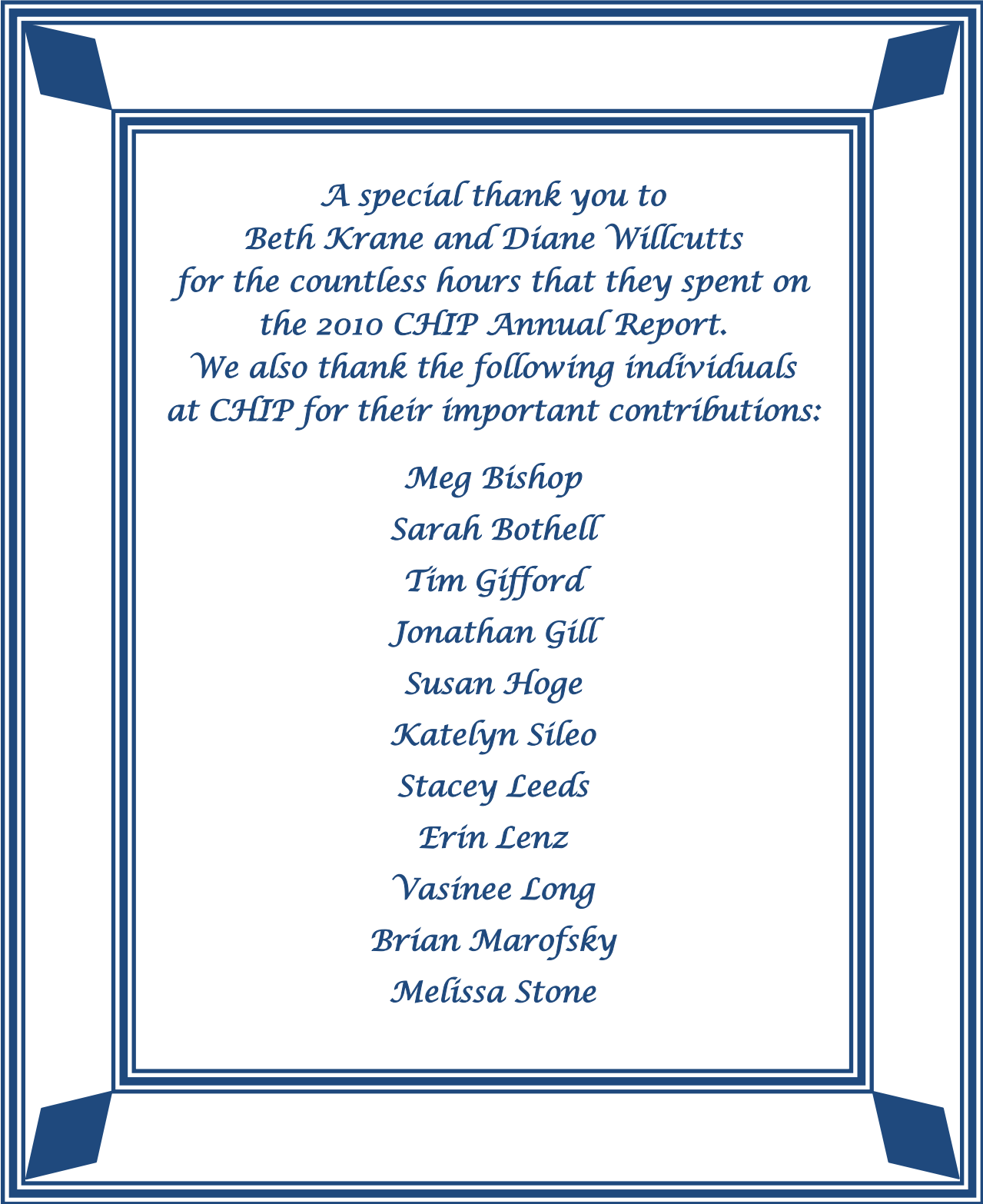
Tan, J. Y. NIMH Institutional NRSA Elected Trainee, University of Connecticut. 2007-2010. *Training in Social Processes of HIV/AIDS*. [Mentor: Blair Johnson]

White, A. C. NIMH Institutional NRSA Elected Trainee, University of Connecticut. 2008-2011. *Training in Social Processes of HIV/AIDS*. [Mentor: Blair Johnson]

APPENDIX 19: CHIP FY10 Organizational Chart*



* This chart indicates the percentage of each position that was funded by the CHIP Ledger 4 account. During FY10, on average, 80% of Deborah Cornman's position, 30% of Jonathan Gill's position, and 40% of Brian Marofsky's position were funded by various research grants. 33% of Diane Willcutts's position was funded by Dr. Fisher's Psychology Ledger 4 Indirect account.



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