

SPHHP Research Activities Newsletter, April, 2010

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In the News

Perceived Cancer Risk: Does Ethnicity Play a Role? A new study, led by **Heather Orom**, faculty member in the Department of Health Behavior, “shows that persons of different ethnic groups have different ideas and opinions about whether they are at risk for developing cancer—perceptions that can influence whether they undergo screening”. For an overview of the article see: http://www.buffalo.edu/ubreporter/2010_03_17/cancer_risk

Automated Pill Crusher Patent Recognized by UB. At the University’s annual Inventors and Entrepreneurs Reception, 23 current and former faculty members were recognized for being named on newly issued patents during 2009. Our congratulations go out to **James Leahy**, Center for Assistive Technology, with collaborators **Jonathan Leahy** and **James Peron**, Center for Assistive Technology, and **Robyn Washousky** formerly of the Center for Assistive Technology for being among those recognized. Their patent: #7,543,770, Automated Pill Crusher. For an overview of the article see: http://www.buffalo.edu/ubreporter/2010_03_17/inventors_reception

Transitions... After 3 years of dedicated service and commitment to the RAS office, Kate Foley has accepted the position of Grant Manager II for Health Research Inc./Roswell Park Cancer Institute. Kate will leave SPHHP at the end of April. We wish her much success! She will be missed!

Grant Clinic

Structuring the Research Strategy Section of Your NIH Application (Office of Extramural Research, National Institutes of Health Extramural Nexus, March, 2010)

The Research Strategy section is made up of three subsections: Significance, Innovation and Approach. Depending on whether your application is new or a renewal/revision, “Preliminary Studies for New Applications” or “Progress Report for Renewal/Revision Applications” will also be included in the Research Strategy.

However, where you choose to place Preliminary Studies or Progress Report information within the Research Strategy is up to you. You should use your discretion to place it where it makes the most sense for your application: Significance, Innovation or Approach.

You might also be wondering about how to organize the Research Strategy section if you have more than one specific aim. You should again use your discretion in organizing the information to best convey the desired information to the reviewers. Either of the following choices would be acceptable, and the decision is up to you!

(Continued on page 2)

Significance: Specific Aim 1, Specific Aim 2

Innovation: Specific Aim 1, Specific Aim 2

Approach: Specific Aim 1, Specific Aim 2

OR:

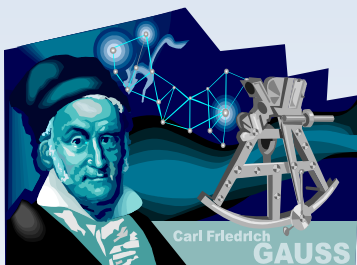
Specific Aim 1: Significance, Innovation, Approach

Specific Aim 2: Significance, Innovation, Approach

In conclusion, however you chose to organize your Research Strategy, take care to keep **within specified page limits**. Make sure to use headings to mark your sections so reviewers can easily find what they need. Don't forget, for renewal or revision applications, the list of publications, patents and other printed materials should be included in the Progress Report Publication List and not as part of the Progress Report within the Research Strategy.

9th Summer Institute in Advanced Statistics and Methods, Summer 2010

Module 1: May 10– 14th, Structural Equation Modeling (SEM): This course introduces participants to structural equations (SEM) both with and without latent variables. It is designed to provide the necessary skills to use SEM to analyze social science data with continuous variables. The course will primarily focus on the application of SEM as opposed to mathematical underpinnings. We will cover introductory topics including path analysis, moderation and mediation, confirmatory factor analysis, and hybrid structural equation models (models that include causal paths between latent variables). Special topics will include working with non-normally distributed variables and missing data. Upon finishing the course students will be able to estimate models using available software to conduct research and interpret results. The course also prepares students for more advanced topics, including latent growth curve analysis and latent mixture modeling.



Module 2: May 17– 21th, Hierarchical Linear Modeling (HLM 6.0): This 5 full-day workshop covers the basic principles and applications of hierarchical linear modeling (HLM) in educational, psychological and social research. It covers two-level and three-level HLM techniques for research such as one designed to understand change in individuals within the context of a group or an organization. For example, a researcher can examine how the effects of SES on delinquent behaviors of individuals vary depending on the characteristics of neighborhoods. This type of multilevel modeling or growth curve modeling is becoming increasingly popular in behavioral science research. Participants will learn how to build models, run the HLM program and examine the results by working step-by-step on hypothetical and real data sets.

Daily schedule: <http://sociology.buffalo.edu/workshops/modules.shtml#sem>

Module 3: May 24th, Secondary Data Analysis- How to Use and Analyze Survey Data:

The increase in public-use survey data over recent years provides many opportunities for researchers to engage in secondary data analysis. Understanding how to access and analyze secondary datasets, however, can sometimes be quite daunting. This course will provide hand-on training on how to properly use secondary data to pursue research topics. The content will cover such topics as: data file construction, sampling weights, constructing variables, labels and unique case identifiers, data file extraction, and merging multiple datasets, among others. Computer analysis with SPSS will be demonstrated and statistical concepts and modeling techniques will be discussed.

Location: All Classes meet at Room 430, Park Hall on North Campus of the University at Buffalo and begin at 9:00 AM. **To Register:** <http://sociology.buffalo.edu/workshops/>

A Request from Francis S. Collins, MD., Ph.D., Director, National Institutes of Health...Signup!



Dr. Francis S. Collins is requesting your participation in "National Lab Day". This is a new program that will allow you to spend some time with a local middle or high school science teacher and her or his classroom to provide advice and/or assistance with the scientific achievement of our children. President Obama has said, "...make no mistake: Our future is on the line. The nation that out-educates us today is going to out-compete us tomorrow".

The NIH Science Education Nation Website has been created for you to learn more about today's schools, teachers, and students and how to establish effective partnerships:

<http://science.education.nih.gov/NIHSciEdNation>

Sign up to volunteer at:

<http://www.nationallabday.org>

Funding Opportunities: NIH

Request for Applications (RFAs)

RFA-HL-11-002 (R01)

Common Pathogenetic Mechanisms of Lung Cancer and COPD

Application due date(s): 6/18/10

Expiration date: 6/19/10

RFA-DK-10-004 (R01)

Adherence Studies in Adolescents with Chronic Kidney or Urologic Diseases, or Diabetes

Application due date(s): 11/15/10

Expiration date: 11/16/10

Program Announcements Reviewed in an Institute (PARs)

(special receipt, referral and/or review considerations)

PAR-09-225 (R21)

Improving Diet and Physical Activity Assessment

Application due date(s): 6/16/10, 2/16/11, 10/16/11, 6/16/12

Expiration date: 7/17/12

PAR-10-112 (R01)

Development of Outcome Measures to Determine Success of Hearing Health Care

Application due date(s): 10/1/10, 6/1/11, 2/1/12

Expiration date: 2/2/12

PAR-09-224 (R01)

Improving Diet and Physical Activity Assessment

Application due date(s): 6/5/10, 2/5/11, 10/5/11, 6/5/12

Expiration date: 7/6/12

PAR-10-136 (R01)

Behavioral and Social Science Research on Understanding and Reducing Health Disparities

Application due date(s): 9/14/10, 1/11/11, 5/11/11...

Expiration date: 5/12/13

PAR-10-038 (R01)

Dissemination and Implementation Research in Health

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PAR-10-099 (R01)

Collaborative Clinical Trials in Drug Abuse

Application due date(s): Standard dates apply

Expiration date: 5/8/13

PAR-09-182 (R03)

NIDCR Small Research Grants for Data Analysis and Statistical Methodology

Application due date(s): Standard dates apply

Expiration date: 5/8/12

PAR-10-132 (K01) - NIOSH

Mentored Research Scientist Development Award

Application due date(s): Standard dates apply

Expiration date: 5/8/13

Program Announcements Reviewed in an Institute (PARs) continued

(special receipt, referral and/or review considerations)

PAR-10-145 (R01)

Social Network Analysis and Health

Application due date(s): 6/3/10, 5/11/11, 5/11/12

Expiration date: 5/12/12



*Understanding and Promoting Health Literacy

*PAR-10-135 (R21)

Understanding and Promoting Health Literacy

Application due date(s): Standard dates apply

Expiration date: 5/8/13

*PAR-10-133 (R01)

Understanding and Promoting Health Literacy

Application due date(s): Standard dates apply

Expiration date: 5/8/13

A wide variety of research approaches are encouraged under this Funding Opportunity Announcement including but not limited to:

- *Basic research to elucidate the mechanisms underlying health literacy and to determine the causal pathways that link health literacy to a behavioral outcome or to tease out the underlying components of health literacy, such as cognitive ability or other underlying constructs/skills integral to health literacy;
- *Methodological and measurement research to test theoretical models, refine research design and constructs and to develop, validate and improve methods and measures of health literacy including numeracy;
- *Intervention research that develops and tests the effectiveness of strategies to improve informed decision making, health care, and/or health outcomes for individuals with limited health literacy;
- *Public health research to improve population health literacy and elucidate and measure the role of health literacy as a determinant of population health disparities;
- *Implementation and dissemination that adapts and tests evidence-based practices and interventions in real world settings (health care systems, communities, etc.) and diverse populations.

Program Announcements (PAs - R01s)

PA-10-067 (R01)

Research Project Grant

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-10-152 (R01)

Diet Composition and Energy Balance

Application due date(s): Standard dates apply

Expiration date: 5/8/13

PA-10-042 (R01)

Critical Illness and Injury in Aging

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-10-031 (R01)

Epigenetic Approaches in Cancer Epidemiology

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-10-027 (R01)

Obesity Policy Research: Evaluation and Measures

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-09-234 (R01)

Diet, Epigenetic Events, and Cancer Prevention

Application due date(s): Standard dates apply

Expiration date: 9/8/12

PA-09-228 (R01)

Proteomics in Auditory Developmental and Disease Processes

Application due date(s): Standard dates apply

Expiration date: 9/8/12

PA-10-052 (R01)

School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-09-148 (R01)

Studies of Energy Balance and Cancer in Humans

Application due date(s): Standard dates apply

Expiration date: 5/8/12

PA-10-127 (R01)

Home and Family-Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood

Application due date(s): Standard dates apply

Expiration date: 5/8/13

Program Announcements (PAs - R01s) continued

PA-09-174 (R01)

Women's Mental Health in Pregnancy and the Postpartum Period

Application due date(s): Standard dates apply

Expiration date: 5/8/12

PA-09-010 (R01)

Basic and Preclinical Research on Complementary and Alternative Medicine

Application due date(s): Standard dates apply

Expiration date: 9/8/10

PA-09-243 (R01)

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary health

Application due date(s): Standard dates apply

Expiration date: 9/8/12



Program Announcements (PAs – R21s)

PA-09-175 (R21)

Women's Mental Health in Pregnancy and Postpartum Period

Application due date(s): Standard dates apply

Expiration date: 5/8/12

PA-08-240 (R21)

Impact of Health Communication Strategies on Dietary Behaviors

Application due date(s): Standard dates apply

Expiration date: 9/8/11

PA-09-244 (R21)

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R21)

Application due date(s): Standard dates apply

Expiration date: 9/8/12

PA-08-221 (R21)

Investigational Nutrigenetic Studies for Cancer Prevention

Application due date(s): Standard dates apply

Expiration date: 9/8/11

PA-10-044 (R21)

Critical Illness and Injury in Aging

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-10-069 (R21)

NIH Exploratory Developmental Research Grant Program

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-10-032 (R21)

Epigenetic Approaches in Cancer Epidemiology

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-10-028 (R21)

Obesity Policy Research: Evaluation and Measures

Application due date(s): Standard dates apply

Expiration date: 1/8/13

PA-09-235 (R21)

Diet, Epigenetic Events, and Cancer Prevention

Application due date(s): Standard dates apply

Expiration date: 9/8/12

PA-09-124 (R21)

Exploratory/Developmental Clinical Research Grants in Obesity

Application due date(s): Standard dates apply

Expiration date: 5/8/12

PA-09-141 (R21)

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy

Application due date(s): Standard dates apply

Expiration date: 5/8/12

PA-10-128 (R21)

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood

Application due date(s): Standard dates apply

Expiration date: 5/8/13

PA-09-149 (R21)

Studies of Energy Balance and Cancer in Humans

Application due date(s): Standard dates apply

Expiration date: 5/8/12

PA-08-100 (R21)

Mechanisms of Functional Recovery After Stroke

Application due date(s): Standard dates apply

Expiration date: 5/8/11

Funding Opportunities: NIH Fellowships

PA-10-108 (F31)

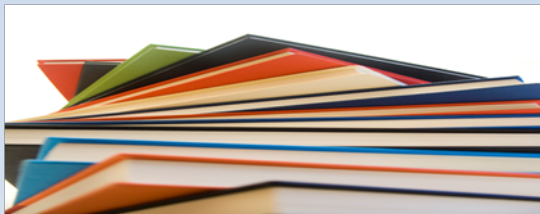
Ruth L. Kirschstein National Research Service
Awards for Individual Predoctoral Fellows
Application due date(s): Standard dates apply
Expiration date: 1/8/13

PA-10-110 (F32)

Ruth L. Kirschstein National Research Service
Awards for Individual Postdoctoral Fellows
Application due date(s): Standard dates apply
Expiration date: 1/8/13

PA-10-111 (F33)

Ruth L. Kirschstein National Research Service
Awards for Individual Senior Fellows
Application due date(s): Standard dates apply
Expiration date: 1/8/13



Funding Opportunities: Foundations

Bill and Melinda Gates

UB may submit applications for the Grand Challenges Exploration program sponsored by the Bill and Melinda Gates Foundation. Grand Challenges Explorations (GCE) supports hundreds of early-stage research projects – including many ideas that have never before been tested – and scientists from a wide range of disciplines and regions. The Explorations initiative funds innovative ideas that could lead to new vaccines, diagnostics, drugs, and other technologies targeting diseases that claim millions of lives every year.

The grant program is open to anyone from any discipline, from student to tenured professor, and from any organization – colleges and universities, government laboratories, research institutions, non-profit organizations and for-profit companies. Phase I grants will be for \$100,000. Phase I projects that show promise in the first year will be eligible for follow-on funding.

For detailed program information, revisions, updates and eligibility requirements, please visit:
<http://www.grandchallenges.org/Explorations/Pages/Introduction.aspx>

The full proposal deadline is May 19, 2010.

SAVE the DATE: QUEST for RESEARCH EXCELLENCE CONFERENCE Nov. 1-3, 2010

The Quest for Research Excellence Conference will be held at the Washington Marriott Wardman Park Hotel in Washington, DC. Keynote speakers will include Nobel Laureates, top researchers, and best-selling book authors. Over 1000 researchers are expected to attend the conference to learn more about getting funded, getting published, getting connected with others in the research enterprise, and learning skills for better lab management. For more information: http://ori.hhs.gov/documents/Q4RE_flyer.pdf

Words to live by: "Regret for the things we did can be tempered by time; it is regret for the things we did not do that is inconsolable." --Sydney J. Harris

Please email your comments and suggestions to Traci Jackson, jacksont@buffalo.edu 106 Kimball Tower, 829-2375

