

### Administrative Supplements for NCRR Awards March 18, 2009

#### Estimated Proportions of NCRR ARRA Funding for Administrative Supplements

##### NCRR Priorities for Administrative Supplement Applications

- Administrative Supplements to Advance Translational (T1 & T2) Research
- Administrative Supplements for Enhancing NCRR Pilot Project Mechanism
- Administrative Supplements for Collaborative Community Engagement Research
- Administrative Supplements for the CTSA Consortium Strategic Goals
- Administrative Supplements for Research Workforce Development and Dissemination
- Administrative Supplements for Science Education and Dissemination



- Advance Translational (T1 & T2)
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#### RESOURCES FOR TEACHERS

- Curricula and Other Scientific Literature
- Quick, Free Curricula/ Literature Downloads
- Museums and Exhibits
- Teacher Workshops or Professional Development Opportunities
- Educational films, Videos and Multimedia
- Equipment Loans
- Evaluation Resources

Check out the SEPA website at:

<http://www.ncrrsepa.org/Resources/teacher.asp>

#### SEPA WEBSITE

The SEPA website is a great resource. Projects are categorized into curricula, films/multimedia, museum exhibits, equipment loans, teacher workshops, student programs, and parent workshops for easy access by users. You can also search for projects by PI name, project title, funding years, and key words. Be sure to visit the SEPA website, (<http://www.ncrrsepa.org>) and send all updates about your project to the SEPA website staff, ([teachhealthk-12@uthscsa.edu](mailto:teachhealthk-12@uthscsa.edu)).

## HEARTSMART



The **Heart Smart** project is designed to raise awareness about cardiovascular disease risk factors and provide strategies to improve heart health. This hands-on interactive traveling exhibit provides a unique venue to conduct scientific research. The exhibit informs visitors about the research process and invites them to anonymously contribute personal data (e.g., their height, weight, waist circumference,

### "MUSEUM EXHIBIT"

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University of Miami,  
Coral Gables, FL

**Co-PI:** Judy Brown  
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blood pressure, and habits). In addition, a randomized controlled trial will be conducted to determine whether a museum-based health exhibit and related materials are effective in increasing cardiovascular health knowledge, self-efficacy, and readiness for behavior change among teenagers in Miami-Dade County Public Schools.



**RISK FACTORS • NUTRITION • ACTIVITY • STRESS**



**NIH-NCRR SEPA Annual Program Director's Meeting 2009**

Science Museum of Minnesota  
St. Paul, Minnesota

**MAY 18 - 20, 2009**

# Challenge Grants – Application Due Date: April 27, 2009



## SPECIFIC CHALLENGE TOPICS

- 12-AG-101** Efficacy of educational approaches toward promoting STEM competencies.
- 12-CA-101** Cross Science Training in Cancer.
- 12-CA-102** Bringing New Mathematical Methods into Cancer Biology.
- 12-CA-103** Modeling and Predictive Tools for Development and Testing of Nanotechnology-based Diagnostics and Therapeutics.
- 12-CA-104** Developing the Workforce in Emerging Technologies CURE.
- 12-DK-101** Increasing involvement

- of surgical sub-specialties in biomedical research.
- 12-DK-102** Expanding Biomedical Research Opportunities at the Undergraduate Level.
- 12-DK-103** Evaluating the efficacy of mentoring training in STEM fields.
- 12-DK-104** Increasing participation of mathematicians, engineers and computational specialists in biomedical research.
- 12-ES-101** Material Development for Environmental Health curriculum.
- 12-ES-102** Professional development in issues in Environmental Health.

- 12-ES-103** Engagement of scientists in Environmental Health science education.
- 12-GM-101** Novel interventions to improve development of research scientists from underrepresented groups.
- 12-HD-101** Educational Interventions to Increase Science Literacy.
- 12-HD-102** Optimal Environments and Techniques for Science Learning.
- 12-MH-101** Models for national mentoring networks for individuals from diverse backgrounds.


### BROAD CHALLENGE AREA (12) SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS EDUCATION (STEM)

- 12-OD-101\*** Efficacy of educational approaches toward promoting STEM competencies.
- 12-OD-102** Teacher preparation development programs to support effective STEM teaching.
- 12-OD-103** Informal Science Education.
- 12-OD-104** Innovative approaches to STEM education.
- 12-OD-105** Identification of practices that overcome equity issues in STEM learning.
- 12-OD-106** Engaging Scientists in Science Education.

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**New York Hall of Science**

## Evolution and Health Traveling Exhibition and Education Programs



**MARTIN M. WEISS, Ph.D., PI**

This project will result in an interactive traveling exhibition intended to engage middle and high school students, educators and the general public in inquiry-based learning about the role of evolution and natural selection in health. We will utilize best practices of evaluation to ensure that goals are met during program development. In addition to the exhibition, we will develop programs for teachers and online activities for students and families focusing on health issues seen from an evolutionary perspective. These will be disseminated online and with the exhibition. While there are many museum exhibitions on health, this will be only one of two to take an evolutionary perspective, and the only one to explore the relationship between health and natural selection. The exhibition will increase visitors' comprehension of their own health issues by fostering a better understanding of evolution and natural selection.







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## Extending A Healthy Life — Phase II

### FoodMASTER: Impacting K-12 Learning Environments

**Melani Wilson Duffrin, Ph.D., R.D., L.D.N.**  
Principal Investigator • East Carolina University  
Greenville, N.C.





The FoodMASTER initiative is a compilation of programs aimed at using food as a tool to teach basic research methods, including science and math concepts to K-12 students. Research will be collected on the impact of *SEPA-funded*, multi-media FoodMASTER materials promoting science education along with collecting information about the logistics of the best way to disseminate materials, such as these in

the K-12 systems. The FoodMASTER: Impacting K-12 Learning Environments — project is intended to demonstrate that K-12 students engaged in hands-on, inquiry-based learning activities using food as a tool to teach basic scientific research concepts are better prepared to demonstrate and apply scientific knowledge and understand clinical and basic research to extend a healthy life.