



# COLLEGE OF EDUCATION

## 2009-2010 Selected Listing: Sponsored Research, Training and Outreach Grants

The College of Education at the University of Maryland is ranked among the top 25 colleges of education in the United States by *U.S. News & World Report* thanks in part to the cutting-edge scholarship of our top-notch faculty. Our faculty understand that success in the classroom goes beyond teacher education. To help all students achieve, it is also important to explore the intricacies of human development across the lifespan and in multi-cultural scenarios. Teachers/practitioners then leverage our research to improve education practices in classrooms from kindergarten through college.

Needless to say, using our research to address the needs of our State and nation is a top priority for the College. With the growing concern that the United States will lose its technological edge due to a shortage of professionals trained in the fields of Science, Technology, Engineering, and Mathematics (STEM), our faculty are at the forefront of a national effort to engage and train more students for careers in STEM education. In addition, guided by the belief that a better quality of life is based on an educated society, we are using our expertise to improve literacy and special education, while formulating new ways to prepare the next generation for college.

Our thanks to the various organizations, institutions, foundations and federal/state departments whose support makes this research possible.

### COLLEGE READINESS

**Stephanie Timmons Brown**, Maryland Institute for Minority Achievement and Urban Education  
*College and Career Awareness: A Partnership with Charles Carroll Middle School*  
December 2008 through December 2009  
SPONSOR: Maryland Higher Education Commission **\$34,852**

**Jing Lin**, Education Leadership, Higher Education and International Education  
*Research at Kwong Kow Chinese School*  
October 2008 through October 2009  
SPONSOR: Kwong Kow Chinese School **\$65,000**

### DIVERSITY AND GLOBALIZATION

**Perla Blejer**, Curriculum and Instruction  
*ITQ: Enhancing Language and Cultural Competencies for Spanish and French Teachers*  
November 2008 through April 2010  
SPONSOR: Maryland Higher Education Commission **\$112,074**

### HUMAN DEVELOPMENT

**Natasha Cabrera**, Human Development  
*Father Involvement and Child Well Being in Latino Families*  
June 2007 through May 2010  
SPONSOR: U.S. Department of Health and Human Services  
– National Institutes of Health **\$147,015**

**Stephanie Timmons Brown**, Maryland Institute for Minority Achievement and Urban Education  
*ITQ: Improving Content Knowledge for Paraeducators Teaching a Diverse Population*  
November 2008 through April 2010  
SPONSOR: Maryland Higher Education Commission **\$60,251**

**Nathan Fox**, Human Development  
*The Effects of Early Temperament on Social Behavior in Adolescence*  
February 2005 through January 2010  
SPONSOR: U.S. Department of Health and Human Services  
– National Institutes of Health **\$1,506,584**

**James Greenberg**, College of Education  
*Global Awareness in Teacher Education (GATE) Fellows Program: Institutionalization*  
November 2008 through December 2009  
SPONSOR: Longview Foundation **\$23,559**

**John Guthrie**, Human Development  
*Identification, Prediction, and Intervention in Adolescent Reading*  
August 2007 through May 2010  
SPONSOR: U.S. Department of Health and Human Services  
– National Institutes of Health **\$1,658,696**

**Willis Hawley**, Education Leadership, Higher Education and International Education  
*Teaching Diverse Students Initiative*  
January 2008 through October 2009  
SPONSOR: Southern Poverty Law Center **\$358,500**

**Kenneth Rubin**, Human Development  
*Friendship and Psychosocial Adjustment in Adolescence*  
April 2004 through March 2010  
SPONSOR: U.S. Department of Health and Human Services  
– National Institutes of Health **\$2,595,205**

## LITERACY

**Susan De La Paz**, Special Education

*Disciplinary Writing Instruction for the Social Studies Classroom:  
A Path to Adolescent Literacy*

July 2009 through June 2010

SPONSOR: U.S. Department of Education **\$499,830**

**Rebecca Silverman**, Special Education

*Investigating Vocabulary Breadth and Depth Comprehension in English  
Monolingual and Spanish-English Bilingual Elementary School Students*

March 2009 through May 2010

SPONSOR: U.S. Department of Education **\$500,000**

**Wayne H. Slater**, Curriculum and Instruction

*ITQ – Preparing Literacy Coaches for Low Achieving Middle and  
High Schools: A Joint UM and Baltimore City Public Schools Initiative*

November 2008 through April 2010

SPONSOR: Maryland Higher Education Commission **\$160,329**

**Wayne H. Slater**, Curriculum and Instruction

*Preparing Literacy Coaches for Low Achieving Middle and High Schools  
Phase 3: A Joint University of Maryland/Prince George's County Initiative*

February 2008 through January 2010

SPONSOR: Maryland Higher Education Commission **\$165,933**

**Wayne H. Slater**, Curriculum and Instruction

*Preparing Literacy Coaches for Low Achieving Middle and High Schools  
Phase 2: A Joint University of Maryland/Montgomery County Public  
Schools/Prince George's County Initiative*

December 2006 through November 2009

SPONSOR: Maryland Higher Education Commission **\$406,943**

**Deborah Speece**, Special Education

*Markers and Modification of Early Reading Failure*

July 2006 through May 2010

SPONSOR: U.S. Department of Health and Human Services  
– National Institutes of Health **\$1,866,434**

**Min Wang**, Human Development

*Biliteracy Development of Chinese and Korean Children*

December 2004 through November 2009

SPONSOR: U.S. Department of Health and Human Services  
– National Institutes of Health **\$714,088**

## SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

**Leigh Abts**, College of Education

*Tennessee Tech University's STEM Center*

January 2009 through December 2011

SPONSOR: Tennessee Tech University **\$30,870**

**Andrew Brantlinger**, Curriculum and Instruction

*The Maryland Science and Mathematics Resident Teacher  
(MSMaRT) Project*

October 2009 through September 2010

SPONSOR: U.S. Department of Education **\$447,649**

**Patricia Campbell**, Curriculum and Instruction

*Mathematics Specialists in K-5 Schools*

June 2004 through May 2010

SPONSOR: Virginia Commonwealth University **\$593,058**

**Patricia Campbell**, Curriculum and Instruction

*Mid-Atlantic Center for Math Teaching and Learning*

August 2000 through August 2011

SPONSOR: National Science Foundation **\$17,775,226**

**Daniel Chazan**, Curriculum and Instruction

*The Future of High School Mathematics*

June 2008 through December 2009

SPONSOR: National Science Foundation **\$174,325**

**Daniel Chazan**, Curriculum and Instruction

*Thought Experiments in Mathematics Teaching*

August 2004 through July 2010

SPONSOR: University of Michigan **\$893,568**

**David Hammer**, Curriculum and Instruction

*Disciplinary Experts in Science Education Research*

January 2008 through December 2009

SPONSOR: National Science Foundation **\$552,945**

**David Hammer**, Curriculum and Instruction

*Learning Progressions for Scientific Inquiry: A Model Implementation  
in the Context of Energy*

January 2008 through December 2009

SPONSOR: University of California – San Diego **\$872,801**

**Karen Kurotsuchi Inkelas**, Counseling and Personnel Services

*GSE/DIF: Crafting Successful Living-Learning Programs for  
Women in STEM*

November 2008 through October 2010

SPONSOR: National Science Foundation **\$249,803**

**Robert Lent**, Counseling and Personnel Services

*GSE/RES – A Longitudinal, Mixed-Method Test of a Social  
Cognitive Model of Women's Adjustment to STEM Majors:*

*Building an Empirical Foundation for Theory-Based Interventions*

September 2008 through August 2011

SPONSOR: National Science Foundation **\$472,085**

**James R. McGinnis**, Curriculum and Instruction

*Project NEXUS: The Maryland Upper Elementary/  
Middle School Science TPC Model*

June 2005 through June 2010

SPONSOR: National Science Foundation **\$1,293,690**

**James R. McGinnis**, Curriculum and Instruction

*Editorship: Journal of Research in Science Teaching*

October 2004 through December 2009

SPONSOR: Syracuse University **\$165,345**

**Mike Stieff**, Curriculum and Instruction

*ITQ: Pedagogical Experts in Educational Technologies for Teaching Science*

November 2008 through April 2010

SPONSOR: Maryland Higher Education Commission **\$114,826**

**SPECIAL EDUCATION**

**Leigh Abts**, College of Education  
*A Dynamic Tactile Interface of Visually Impaired and Blind People*  
 October 2007 through September 2010  
 SPONSOR: The Research Foundation of CUNY **\$4,637**

**Paula J. Beckman**, Special Education  
*Preparation of Early Intervention Personnel*  
 January 2006 through December 2009  
 SPONSOR: U.S. Department of Education **\$800,000**

**Philip Burke**, Special Education  
*M.Ed. in Autism Spectrum Disorders (ASDs) for Teachers in the DoDDS*  
 July 2009 through June 2010  
 SPONSOR: U.S. Department of Education **\$200,000**

**Andrew Egel**, Special Education  
*Preparation of Special Education Personnel in the Area of Autism*  
 October 2004 through September 2009  
 SPONSOR: Maryland State Department of Education **\$1,250,000**

**Diane M. Kelly**, Special Education  
*Connection's Beyond Sight and Sound: Maryland's Project for Children and Young Adults Who are Deaf-Blind*  
 October 2008 through September 2009  
 SPONSOR: Maryland State Department of Education **\$373,366**

**Frances Kohl**, Special Education  
*Preparation of Personnel in Low Incidence Disabilities: Master's (Med) Program*  
 July 2008 through June 2010  
 SPONSOR: Maryland State Department of Education **\$329,950**

**Joan Ann Lieber**, Special Education  
*A Master's Program in Early Childhood Special Education*  
 July 2007 through June 2010  
 SPONSOR: Maryland State Department of Education **\$600,000**

**Joan Ann Lieber**, Special Education  
*Preparation of Leadership Personnel in Early Childhood Special Education*  
 January 2006 through December 2009  
 SPONSOR: Maryland State Department of Education **\$800,000**

**Sherril Moon**, Special Education  
*Preparation of Personnel in Secondary Special Education Serving Youth with Low-Incidence Disabilities*  
 December 2006 through November 2010  
 SPONSOR: Maryland State Department of Education **\$793,847**

**Debra A. Neubert**, Special Education  
*Preparation of Personnel in Secondary Special Education to Improve Services for Youth with High Incidence Disabilities*  
 January 2006 through December 2009  
 SPONSOR: Maryland State Department of Education **\$800,000**

**Kim MacDonald-Wilson**, Counseling and Personnel Services  
*Long Term Training-Psychiatric Vocational Rehabilitation*  
 July 2008 through June 2010  
 SPONSOR: Maryland State Department of Education **\$200,000**

**TEACHER QUALITY AND ASSESSMENT**

**David Hammer**, Curriculum and Instruction  
*What Influences Teachers' Modification of Curriculum?*  
 June 2005 through May 2010  
 SPONSOR: National Science Foundation **\$1,453,677**

**Margaret J. McLaughlin**, Special Education  
*Interdisciplinary Training in Analysis of Large-Scale Databases*  
 October 2006 through September 2009  
 SPONSOR: U.S. Department of Education **\$1,111,768**

**Robert Mislevy**, Measurement, Statistics, and Evaluation  
*Assessment for Situated and Sociocultural Approaches to Learning*  
 October 2007 through September 2009  
 SPONSOR: Arizona State University **\$154,000**

**Robert Mislevy**, Measurement, Statistics, and Evaluation  
*Principled Science Assessment Designs for Special Education*  
 March 2007 through February 2010  
 SPONSOR: SRI International **\$315,7290**

**Robert Mislevy**, Measurement, Statistics, and Evaluation  
*Toward a Synthesis of Educational Measurement with Cognitive, Situative, and Sociocultural Perspectives on Learning*  
 September 2008 through August 2010  
 SPONSOR: The Spencer Foundation **\$294,800**

**Sylvia A. Rosenfield**, Counseling and Personnel Services  
*An Experimental Evaluation of Instructional Consultation Teams*  
 June 2005 through May 2010  
 SPONSOR: U.S. Department of Education **\$1,869,878**

**Bruce Van Sledright**, Curriculum and Instruction  
*Evaluation of Anne Arundel County Public Schools Teaching American History Program*  
 July 2008 through June 2011  
 SPONSOR: Anne Arundel County Public Schools **\$112,243**

**Bruce Van Sledright**, Curriculum and Instruction  
*External Evaluation of the Baltimore County Public Schools' Teaching American History Grant*  
 January 2006 through September 2009  
 SPONSOR: Baltimore County Public Schools **\$109,980**

**Bruce Van Sledright**, Curriculum and Instruction  
*Teaching American History Grants*  
 February 2007 through December 2010  
 SPONSOR: Board of Education of Howard County **\$109,865**



UNIVERSITY OF  
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