

NIH **SciEd** 2012 Poster Presentations

Monday, May 14 – **3:45 – 5:00pm**

Session A: **Informal Science Education I**

*Posters are ordered
alphabetically by contact PI*

Facilitator: Ginger Cross, Mississippi State University

Room:

Poster #	Project Name	Institution	Contact PI	Funder
A-1	Partnerships to Promote Healthy Lifestyles for Children and Communities	Mississippi State University	Cross, Ginger	SEPA
A-2	Genes, the Environment, and ME (GEM)	University of Washington	Munn, Maureen	SEPA
A-3	Science Montana: Engaging 4-H Teens with Bioscience Research	Montana State University	Obbink, Kimberly	SEPA
A-4	Regenerative Medicine Partnership in Education	Duquesne University	Pollock, John	SEPA
A-5	Fat Dogs and Coughing Horses: Animal Contributions towards a Healthier Citizenry	Purdue University	Ratliff, Timothy	SEPA
A-6	Heart Smart	University of Miami	Saab, Patrice	SEPA Pending
A-7	If a Starfish Can Grow an Arm, Why Can't I?	Pittsburg Tissue Engineering Initiative	Schanck, Joan	SEPA
A-8	Human Health and 'Human Bulletins': Scientists and Teens Explore Health Sciences	American Museum of Natural History	Scott, Monique Renee	SEPA
A-9	Addressing the Science of Really Gross Things: Engaging Young Learners in Biomedical Science Through a Full-dome Planetarium Show and Supporting Curricula	UNC Morehead Planetarium and Science Center	Young, Denise	SEPA Pending

Session B: **Student Science Enrichment I**

Facilitator: Barbara Baumstark, Georgia State University

Room:

Poster #	Project Name	Institution	Contact PI	Funder
B-1	Helping K-12 Students Become Fluent in the Language of DNA	Georgia State University	Baumstark, Barbara	SEPA
B-2	Sowing the Seeds of Neuroscience	University of Washington	Chudler, Eric	Neuroscience
B-3	World of Viruses	University of Nebraska Lincoln	Diamond, Judy	SEPA
B-4	Would you like to be a scientist? Discover Biomedical Sciences!	Charles R Drew University of Medicine & Science	de Lacalle, Sonsoles	SEPA
B-5	Building Bridges: Health Science Education in Native American Communities	University of Nebraska Medical Center	Godfrey, Maurice	SEPA
B-6	Science Promotion in Rural Middle Schools	Texas A&M University	Johnson, Larry	SEPA
B-7	The Big Sky Brain Project	University of Montana	Kavanaugh, Michael	Neuroscience
B-8	Science Club: Building a Science Community Partnership with the Boys & Girls Club	Northwestern University	Kennedy, Michael	SEPA
B-9	Spectrum: Building Pathways to Biomedical Research Careers for Girls and Women	San Francisco State University	Tanner, Kimberly	SEPA

Session C: **Teacher Professional Development I**

Facilitator: Leonard Munstermann, Yale Peabody Museum

Room:

Poster #	Project Name	Institution	Contact PI	Funder
C-1	Collaborations to Advance Research and Ethics (CURE)	Northwest Association for Biomedical Research	Chowning, Jeanne	SEPA
C-2	Addiction Research and Investigation for Science Educators (ARISE)	University of California, Davis	de la Torre, Adela	SEDAPA
C-3	Meharry Health Sciences Leadership Academy	Meharry Medical College	Dereimer, Susan	SEPA
C-4	Changing Brains Through Inquiry, Not Drugs	University of Minnesota Twin Cities	Dubinsky, Janet	SEDAPA
C-5	From Bench to Bedside: Molecular Stories of Research-Based Health Care	Milwaukee School of Engineering	Herman, Tim	SEPA
C-6	Biomedical Partnership for Research Education Pipeline in Alaska (Alaska BioPREP)	University of Alaska Fairbanks	Hills, Susan	SEPA
C-7	Biomedical Explorations: Bench to Bedside	University of Florida	Karoly, Mary Jo	SEPA
C-8	Climate Change and Patterns of Vector-borne Disease: Development of Translational Science Curricula	Yale Peabody Museum	Munstermann, Leonard	SEPA
C-9	Pacific Education and Research for Leadership in Science (PEARLS)	University of Hawaii at Manoa	Withy, Kelley	SEPA

Session D: **Curriculum Development I**

Facilitator: Cathrine Ennis, University of North Carolina

Room:

Poster #	Project Name	Institution	Contact PI	Funder
D-1	ONE-DA – Online Neuroscience about Drug Addiction	University of Washington	Cunningham, Susanna	SEDAPA
D-2	The Science of Healthful Living	University of North Carolina	Ennis, Catherine	SEPA
D-3	CityLab Promotes Understanding of Clinical Trials	Boston University Medical Campus	Franzblau, Carl	SEPA
D-4	Critical Appraisal to Improve Neuroscience Education (CAINE)	University of Texas Health Science Center San Antonio	Lichtenstein, Michael	SEDAPA
D-5	Neuroscience Activities for Hands-on Learning	University of Rochester	Markowitz, Dina	Neuroscience
D-6	Problem-Based Learning for Drug Abuse and Addiction Education	University of Rochester	Markowitz, Dina	SEDAPA
D-7	The Learning Brain – Interactive Inquiry for Teachers and Students	Baylor College of Medicine	Moreno, Nancy	Neuroscience
D-8	Science Education in Health Education Class: Tobacco and Addiction	Duke University	Schwartz-Bloom, Rochelle	SEDAPA
D-9	The Stanford SEPA Project	Stanford University	Winkleby, Marilyn	SEPA

Session E: **Technology-Infused Educational Materials**

Facilitator: Neil Lamb, HudsonAlpha Institute for Biotechnology

Room:

Poster #	Project Name	Institution	Contact PI	Funder
E-1	BrainCASE: The Golden Hour, a Video Game Examining the Science Behind Traumatic Brain Injury	University of Illinois Urbana-Champaign	Hug, Barbara	SEPA
E-2	It's Complex! Engaging Student Discussions around Complex Genetics and Individuals	Hudson-Alpha Institute for Biotechnology	Lamb, Neil	SEPA
E-3	iNeuron: A Contemporary Platform for Neuroscience Education	Adventium Labs	Michalowski, Martin	SBIR
E-4	Virtual Clinical Trials	Rice University	Miller, Leslie	SEPA
E-5	Virtual Sprouts: Web-based Gardening Games to Teach Nutrition and Combat Obesity	University of Southern California and California Science Center	Spruit-Metz, Donna	SEPA
E-6	The Neuroscience of Our Senses	University of Utah	Stark, Louisa	Neuroscience
E-7	SIMLAB: Using Patient Simulation for Student Exploration of Community Health Issues	Museum of Science and Industry	Ward, Patricia	SEPA
E-8	K-12 Virtual Clinical Research Center & Medical Ignorance Exploratorium	University of Arizona	Witte, Marlys	SEPA
E-9	CyberSurgeons: Live Simulation, PBL Development, and Dissemination	Wheeling Jesuit University	Wood, Charles	SEPA

Tuesday, May 15 – 3:45 – 5:00pm

Session F: **Informal Science Education II**

Facilitator: Meena Selvakumar, Pacific Science Center

Room:

Poster #	Project Name	Institution	Contact PI	Funder
F-1	Unlocking the Mysteries of Chronic Disease: Bioinvestigatins of Family and School	Edventure Children's Museum	Bonk, Susan	SEPA
F-2	The Zoo in You: Exploring the Human Microbiome	Oregon Museum of Sciences and Industry	Coats, Victoria	SEPA
F-3	Fighting with Food: Battling Chemical Toxicity with Good Nutrition	Great Lakes Science Center	Davillier, Valence	SEPA
F-4	Emerging Infectious Diseases: A Museum Exhibition/Program	Science Museum of Minnesota	Fink, Laurie	SEPA
F-5	Framing New Pathways to Medical Discoveries for Families, Students and Teachers	Arizona Science Center	Martin, Laura	SEPA
F-6	Forensic Web Adventures	Rice University	Miller, Leslie	SEDAPA
F-7	Out of the Lab and Into the Spotlight: Bringing Current Health Research to the Public	Pacific Science Center	Selvakumar, Meena	SEPA
F-8	Life Lab	Marian Koshland Science Museum of the National Academy of Sciences	Shugart, Erika	National Library of Medicine
F-9	Evolution & Health Traveling Exhibition and Education Programs	New York Hall of Science	Weiss, Martin	SEPA

Session G: **Student Science Enrichment II**

Facilitator: J. Michael Wyss, University of Alabama at Birmingham

Room:

Poster #	Project Name	Institution	Contact PI	Funder
G-1	ASSET: Advancing Secondary Science Education with Tetrahymena	Cornell University	Clark, Theodore	SEPA
G-2	Environmental Health Science Education for Rural Youth	University of Montana	Holian, Andrij	SEPA
G-3	"TRY-IT" Translating Research to Youth through Information Technology	University of Kentucky	Leukefeld, Carl	SEPA
G-4	Life Science Learning Center: Strengthening Connections Between Scientists & Classroom Learning	University of Rochester	Markowitz, Dina	SEPA
G-5	Transforming STEM Learning in Urban Schools Using the SSMV Model	Vanderbilt University	Shepherd, Virginia	SEPA
G-6	Pathways: Promoting Access to the Health Sciences through Partnership	University of California San Francisco	Smith, Rebecca	SEPA
G-7	Neuroscience in Your World: A Partnership for Neuroscience Education Across the K-12 Spectrum	The Franklin Institute	Snyder, Steve	SEPA
G-8	PathOlogical Life Sciences Training Program for Students and Families	University of Kansas Medical Center	Thomas, Patricia	SEPA
G-9	Meta!Blast: An Immersive Interactive Learning Module for Cell Biology	Iowa State University	Wurtle, Eve	SEPA
G-10	Birmingham Science Education Partnership: Middle School Inquiry-Based Learning	University of Alabama at Birmingham	Wyss, Michael	SEPA

Session H: **Teacher Professional Development II**

Facilitator: S. Monroe Duboise, University of Southern Maine

Room:

Poster #	Project Name	Institution	Contact PI	Funder
H-1	Project CRESST: Enhancing Clinical Research Education for Science Teachers, Students and the Community	Virginia Commonwealth University	Abrams, Lisa	SEPA
H-2	BiomedWorks: How Doctors Use Evidence-Based Medicine; Phase I and II	Foundation for Blood Research	Allan, Walter	SEPA
H-3	How Do I Learn: Neurosciences Advances Inform Learning	University of Washington	Cunningham, Susanna	Neuroscience
H-4	BRAIN to High Schools	University of Minnesota Twin Cities	Dubinsky, Janet	SEPA
H-5	Micro-and Nano-Space Explorations of Health and Disease	University of Southern Maine	Duboise, Monroe	SEPA
H-6	Research, Education, and Linking Science Careers: REAL Science Careers	Wake Forest University Health Sciences	Lambros, Ann	SEPA
H-7	Positively Aging: Maximizing the Healthspan	University of Texas Health Science Center San Antonio	Lichtenstein, Michael	SEPA
H-8	Six Star Science for Student-Centered Learning	American Physiological Society	Matyas, Marsha	SEPA
H-9	A Collaborative Approach to Real- World Science in the Classroom	Tufts University Boston	Meiri, Karina	SEPA

Session I: **Curriculum Development II**

Facilitator: Naomi Luban, Children's Research Institute

Room:

Poster #	Project Name	Institution	Contact PI	Funder
I-1	Connecting Classrooms and Community with the Health Sciences	Montshire Museum of Science	Defrancis, Gregory	SEPA
I-2	FoodMASTER: Impacting Middle Grade Science and Mathematics Learning Environments	East Carolina University	Duffrin, Melani	SEPA
I-3	Project NEURON (Novel Education for Understanding Research On Neuroscience)	University of Illinois Urbana-Champaign	Hug, Barbara	SEPA
I-4	Being Me	Children's Research Institute	Luban, Naomi	SEPA
I-5	How sure are you? Science, Biostatistics and Cancer Education	University of California Davis	Molinaro, Marco	SEPA
I-6	Gene U: Inquiry-based Genomics Learning Experiences for Teachers and Students	Baylor College of Medicine	Moreno, Nancy	SEPA
I-7	Learning Biological Processes Through Animations and Inquiry: A New Approach	University of Georgia	Oliver, J Steve	SEPA
I-8	Neuroscience in Your World: A Partnership for Neuroscience Education Across the K-12 Spectrum	The Franklin Institute	Snyder, Steve	Neuroscience
I-9	Inside Your Body: Web-based Curricula for Secondary Science	University of Utah	Stark, Louisa	SEPA

Session J: **Research Experiences for Students and Teachers**

Facilitator: David Petering, University of Wisconsin Milwaukee

Room:

Poster #	Project Name	Institution	Contact PI	Funder
J-1	West Virginia HSTA Students Design Public Health Clinical Trials	West Virginia University	Chester, Ann	SEPA
J-2	Investing in the Future: Collaborative Research Experiences for Students and Teachers	Pennsylvania State University Hershey Medical Center	Chorney, Michael	SEPA
J-3	Genetics of Taste: A Flavor for Health -- Community Lab and Education Programs	Denver Museum of Nature and Science	Coughlin, Bridget	SEPA
J-4	Building an Infrastructure for Research Collaborations	University of Georgia	Dolan, Erin	SEPA
J-5	Epidemiology and the Energy Balance Equation	Montclair State University	Kaelin, Mark	SEPA
J-6	BioStart: Clinical Research and Education Experiences for Students, Teachers, Parents and Community	Louisiana State University Health Science Center Shreveport	Kleiner, Heather	SEPA
J-7	Biology-Environmental Health Science Nexus: Inquiry, Content, and Communication	University of Wisconsin Milwaukee	Petering, David	SEPA
J-8	CHIDR Chatter: Translating Community Research Data for Classroom Use	Oregon Health & Science University	Shannon, Jackilen	SEPA Pending
J-9	Going to Middle and Early High School Classes with Near-Peer Mentors	U.S. Walter Reed Army Institute of Research	Yourick, Debra	SEPA