

**Graduate STEM Fellows in K-12 Education
Annual Conference
Hyatt Regency on Capitol Hill
400 New Jersey Avenue, NW
Washington, DC**

Agenda

Thursday, March 15

Hyatt Regency Capitol Hill

2:00-6:00pm **Pre-Conference Workshop I**
Concord **Presentation Bootcamp**

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Friday, March 16

National Science Foundation

12:00pm-1:30pm **GK-12 Graduate Fellow Research Poster Session**
Atrium

Hyatt Regency Capitol Hill

8:00am-4:00pm **Pre-Conference Workshop I (cont'd.)**
Concord **Presentation Bootcamp**

3:00-5:30pm **Advancing GK-12 Best Practices**
Regency Ballroom

3:00-4:15pm **Panel I – Agency and Foundation Program Staff**
Elizabeth Boylan, STEM Education, Sloan Foundation; Shelley Canright, Office of Education, NASA;
Bruce Fuchs, Office of Science Education, NIH, Linda Rosen, Change the Equation

4:15-5:30pm **Panel II – National Science Foundation Program Officers**
Kathleen Bergin, MathSciencePartnerships; Richard Boone, IGERT; R. Alan Cheville, Engineering;
Janice Cuny, Computer and Information Science; Uma Venkateswaran, EPSCoR

Facilitator: Daryl Chubin, AAAS

4:00-7:00pm **Registration Opens (area outside Regency Ballroom)**
Regency Ballroom

Columbia A-C **Poster Set up (see handout with your number/location)**
Regency Foyer

6:00pm **Opening Session**
Regency Ballroom **Welcome and Presentation**
Dr. Sonia Ortega, Program Officer, Division of Graduate Education, Directorate for Education and
Human Resources (EHR, NSF)
Dr. Barbara Olds, Deputy Assistant Director (Acting), EHR, NSF
Members of the GK-12 Handbook Writing Team: Doug Levey, NSF Program Officer (former GK-12
PI, University of Florida), Donna Llewellyn, GK-12 PI, Georgia Tech; Kate Stoll, AAAS Policy Fellow
(on assignment at NSF)

Rooms on Ballroom **Reception**
Level

Saturday, March 17

7:00-8:30am Hall of Battles	Continental Breakfast Announcements
8:30-9:45am	Workshops (see blue handout for complete descriptions)
Congressional A	A Road Map for the Integration of Research-Level Mathematics into the Classroom <i>University of Texas Arlington</i>
Capitol B	Creating Student Excitement for the Nature of Science <i>Northern Arizona University</i>
Congressional B	Engineering Design Across STEM Disciplines: Interdisciplinary Student Teams at Multiple High Schools Collaborate to Solve a Significant Engineering Design Problem <i>Colorado State University</i>
Concord	Linking Watershed Research with GK-12 Education: Effectiveness of place-based Learning <i>Presenters: Ohio State University</i> Integration of Fellows' Scientific Research Using Outdoor Areas Near Schools <i>Texas State University</i>
Bunker Hill	Pedagogy in the STEM Classroom: Skip the Lecture and Experiment with Methods that Work <i>Presenters: Northwestern University</i>
Congressional CD	Set up Roots to Create Branches: Expand Project Impact Through Outreach <i>University of Hawaii</i>
Lexington	Steps and Challenges in Planning an International Trip (India) for Graduate Students <i>Presenters: George Mason University</i> International Collaboration: GK-12 Transforming Experiences in China <i>University of Colorado Denver</i>
Regency D	Sustainable Schools Program and Practice: Partnership Building with the Tempe Union High School District <i>Arizona State University</i>
Yellowstone/Everglades	Using Twitter to Connect Students and Scientists <i>Middle Tennessee State University</i> Use iPads to Extend the Reach of Your Project <i>University of Wyoming</i>
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10:00-11:00am Columbia A-C and Regency Foyer	Poster Session I (A copy of the abstracts will be available at the registration desk.) <i>Even numbered boards present. Posters are arranged alphabetically by university.</i>
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11:15am-12:30pm	Workshops (see green handout for complete descriptions)
Congressional CD	A Tale of Two Cultures: Integrating Knowledge through Sustained Cooperation between Fellows and Teachers <i>East Tennessee State University</i>
Regency D	Authentic Research Modules Integrate Fellows Research into Science Classrooms <i>Graduate Center at City University of NY</i>
Capitol A	Creating Appealing and Interesting GK-12 Deliverables in Easily Consumable Forms: Digital Media to the Rescue <i>University of Cincinnati</i>
Concord	Culturally Situated Design Tools in the Classroom <i>Rensselaer Polytechnic Institute</i>

Yellowstone/Everglades **Putting Science into Motion: Illustrating Science Concepts Using Animations**
Florida Institute of Technology

Bunker Hill **Real-Time Evaluation: What Works, What Doesn't, and How do you Know?**
Georgia Southern University
How Do We Know What They Learned?
University of Minnesota Duluth
Development of a Student Attitude Survey for GK-12 Programs
Texas State University; University of New England

Lexington **Targeting Research Through Virtual Learning**
Ohio University

Congressional B **The Power of the Pair: Taking an Innovative Approach to Optimizing Mentorship through Creating Strong GK-12 Partners**
Indiana University Purdue University Indianapolis

Congressional A **The University Arkansas GK-12 KIDS Summer Workshop: A Dynamic Experience**
University of Arkansas

12:45-2:15pm **Luncheon and Keynote**
Regency Ballroom **Speaker: Margaret (Meg) Lowman**
Director, Nature Research Center at the North Carolina Museum of Natural Sciences and Research Professor, North Carolina State University

2:30-3:30pm **Poster Session II**
Columbia A-C *Odd numbered boards present. Posters are arranged alphabetically by university.*
Regency Foyer

3:45-5:45pm **Sharing Lessons, Kits, and Ideas that Work** (see handouts for descriptions of sessions)

Regency Ballroom **Selected Presenters (20)**
3:45-5:45pm *For session in Ballroom, each presentation will be 20 minutes. Participants will rotate through the presentations.*

Regency D **Big Bang from Small Bucks: Mini-grants Spur Inquiry Across the Curriculum**
3:45-5:00pm *University of Missouri*

Lexington **Integrating the Common Core Standards for Mathematical Practice into Elementary School Classrooms**
3:45-5:00pm *University of Arizona*
Always Be Prepared: Strategies for Emergency Preparation when Working with Minors
San Francisco State

Concord **Integrating Research and Curriculum: The Collaborative Process Between GK12 Fellows and the Integrated Curriculum Team at Middle School 88**
3:45-5:00pm *Columbia University*
Inner-City Estuary: Using a Classroom Aquarium as a Common Thread Through an Urban Ecology Course
Brooklyn College, CUNY

Bunker Hill **Loco-Motion! Training Learners in STEM Topics Along a K-12 Continuum**
3:45-5:00pm *Colorado State University*

6:00pm **Dinner on your own**

Sunday, March 18

8:00-9:15am	Continental Breakfast
9:30-10:45am	Workshops (<i>see pink handout for complete descriptions</i>)
Regency D	Building Effective GK-12 Relationships Among Teachers, Fellows, and Your PI Team <i>University of Toledo</i>
Congressional CD	Building Long-Term Research Projects and Collaborations <i>Michigan State University</i>
Lexington	Increasing Diversity Awareness with GK-12 Graduate Students <i>University of Southern Mississippi</i>
Congressional B	Leveraging Resources to Prepare GK-12 Fellows <i>University of Alaska</i>
Capitol B	Marshmallow Launchers, Marine Animals, Cardboard Boat Races, OH MY! Preserving the Vision of the NSF GK-12 Program <i>California State University, Los Angeles</i>
Bunker Hill	Networking in Ocean Science Education <i>University of Massachusetts Boston and Centers for Ocean Sciences Education Excellence</i>
Capitol B	Utilizing the National Academy of Engineering <i>Engineering Grand Challenges</i> to Sustain STEM K-12 and University Partnerships through Regional, International and Informal Institution Collaborations <i>Drexel University</i>
11:00am-12:15pm Regency Ballroom	Special Presentation Awards
12:30pm	Adjourn