

October 16, 2014 Northeast ASTE Conference Program

Welcome to the American Museum of Natural History

Jessica Riccio, NE-ASTE Regional Director

Amanda Gunning, NE-ASTE Treasurer

Maritza Macdonald, Senior Director of Education and Policy AMNH

3:45-4:00 Check-in/Registration at AMNH

77th Street entrance

Enter between Columbus Avenue and Central Park West

Important Notes:

- Please make sure to come in through the 77th Street entrance. There are many conferences scheduled this day at the Museum. If you try to enter through another door, you might be turned away from other entrances, or (even worse) accidentally sent to the wrong event!
- If you arrive after 4:15, we will be using our discretion as to whether you may join the panel discussion in-progress, or just continue to the Davis classroom for the next event on the schedule.

4:00-5:00 This Year in Conservation Lecture Kaufman Theatre

5:00-6:00 Welcome Reception Davis Classrooms

Please join us to celebrate the beginning of the NE-ASTE conference.

Thursday, October 16, 2014

Session One: Presentation

4:00 - 5:00

Kaufman Theater



AMERICAN MUSEUM OF NATURAL HISTORY
CENTER FOR BIODIVERSITY AND CONSERVATION

Mack Lipkin Man and Nature Series
THIS YEAR IN CONSERVATION

PUBLIC EVENT

THURSDAY, 16 OCTOBER 2014, 4:00 TO 5:00 P.M.

Join leading conservation professionals as they share the experiences and lessons that underscore their careers in marine conservation.

SPEAKERS



Dr. Ayana Johnson
Executive Director,
Waitt Institute



Dr. John Cigliano
Associate Professor and
Director of Biodiversity and
Conservation Biology,
Cedar Crest College



Dr. Lekelia (Kiki) Jenkins
Assistant Professor,
School of Marine and
Environmental Affairs,
University of Washington



Moderator:
Dr. Eleanor J. Sterling
Chief Conservation Scientist,
Center for Biodiversity and
Conservation,
American Museum of
Natural History

This event is free and open to the public. Space is available on a first-come, first-served basis. For more information, please contact us at biodiversity@amnh.org.

Please use the West 77th Street entrance to the Museum, between Columbus Avenue and Central Park West.

The Mack Lipkin Man and Nature Series was established in honor of Dr. Mack Lipkin, Sr., by his many friends and admirers. Dr. Lipkin was a physician who was a gentle and powerful force in advancing the most humane and caring practices of medicine. The Museum is proud to welcome Ayana Johnson, John Cigliano, and Lekelia Jenkins as the 2014 Mack Lipkin Man and Nature Series Fellows.

Speaker appearances supported in part by a grant from the Doris Duke Charitable Foundation for the Museum's Science Research Mentoring Program.

Thursday, October 16, 2014

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TEACHERS COLLEGE COLUMBIA UNIVERSITY

8:00am – 8:45

Breakfast/Registration

Room 408 ZB Building (ZB)

8:45am-9am

Welcome Remarks/Overview of the Day

Jessica Riccio, NE-ASTE Regional Director

Amanda Gunning, NE-ASTE Treasurer

Room 408 ZB

Session One, 9-10:30am: Workshops and Presentations

9:00am - 9:30am

Clement Gomes

Teachers College, Columbia University

cvg2101@tc.columbia.edu

Understanding science language using audio technology: Assistive supports for students with learning differences

414 ZB

Maria S. Rivera Maulucci

Barnard College

mriveram@barnard.edu

Workshop: A Professional Development Model for Hosting a Family Engineering Night

418 ZB

Nicholas Stroud

Massachusetts College of Liberal Arts

n.stroud@mcla.edu

Using Argumentation to Teach Nature of Science

406 ZB

Eric Olson

Peter Veronesi

SUNY-Oswego

eric.olson@oswego.edu

Science Learning in Building and Art Projects

408 ZB

9:30am - 10:00am

Johanna T. Ohlmeyer

The Owlet

jo32@columbia.edu

Workshop: The owlet, a new science education website

414 ZB

Felicia M. Mensah

Robin E. Fleshman

Teachers College, Columbia University

fm2140@tc.columbia.edu

Workshop: Common Sense in Taking the Fourth Grade Science Test

418 ZB

Carol R. Rinke

Matty Lau

Marist College

carol.rinke@marist.edu

Beyond Buzzwords: Defining the Field of STEM Teacher Education

406 ZB

Catherine Milne

Jason Blonstein

NYU

cem4@nyu.edu

Exploring the Discourse and Practices of the edTPA

408 ZB

10:00am- 10:30am

Diane C. Jammula

Teachers College, Columbia University

dec2142@columbia.edu

Grounded Practice: A Model for Science Teacher Coaching

414 ZB

Darcy M. Ronan

Teachers College, Columbia University

darcy.ronan@gmail.com

The science teacher: An ethnography exploring identity and roles of science specialists in urban elementary schools

418 ZB

Angela M. Kelly

Stony Brook University

angela.kelly@stonybrook.edu

Gail Luera

University of Michigan-Dearborn

grl@umich.edu

The Use of Scaffolded Learning Activities to Address University Students' Deficiencies in Science Skills

408 ZB

Session Two: Coffee and Conversations/ Poster Presentation Gallery Walk

10:30 am- 11:15 am, 4th Floor ZB Hall

Margaret Conover

CESAME, Stony Brook University

margaret.conover@stonybrook.edu

Chia Seeds Promote Cross-Cultural Inquiry in the Elementary Classroom

Michelle R. Turner-Edwards/Angela Kelly

Stony Brook University

michelle.turner@stonybrook.edu

An Examination of Science Teacher Certification in an Urban Setting

Michael A. Conenna

Stony Brook University

m.a.conenna@gmail.com

How has the implementation of Common Core Standards in an urban high school affected science performance?

Judith Gouraige

Stony Brook University

jmgouraige6@gmail.com

An Evaluation of Elementary Classrooms for Print Rich Science Support

Mary Leou/ Megan Davidson/ Becca Susko

NYU

mary.leou@nyu.edu

Science and the Urban Environment: An alternative science course for NYC High School Students

Marjaneh Issapour/Angela Kelly

Stony Brook University

issapom@gmail.com

Relationship of students' interest in science and performance in engineering curriculum

Minsu Ha/ Gena C. Sbeglia/ Ross H. Nehm

Stony Brook University

minsuh@stonybrook.edu

Student Learning about Evolution in a Misconception-Focused Class: Implications for Science Teacher Education

Nina Leonhardt/ William Tucker

Suffolk County Community College

leonhan@sunysuffolk.edu

The Teaching Fellow, the Community College Partner and Course Design

Un Jung Lee

Stony Brook University

unjunglee0120@gmail.com

Data Sources for Early Warning Systems in STEM Education: Clicker Score Trajectories and Concept Inventory Scores

Thea Charles

Stony Brook University

thea.charles@stonybrook.edu

Correlation between Quality of Public School Education and Chemistry Regents Scores across the five boroughs of New York City

Session Three, 11:15am- 1:00pm: Workshops and Presentations

11:15am - 11:45 am

Jennifer E Passero

Biological Sciences Curriculum Study (BSCS)

jepassero@gmail.com

Workshop: Formative Assessment Tools

414 ZB

Fernand Brunschwig

Teachers College & STEMteachersNYC

fbrunsch@gmail.com

Workshop: A hands-on investigation of the motion of an electrical "buggy" - as an illustration of the modeling approach to teaching science

418 ZB

11:30am – 12:00pm

Regina Toolin

University of Vermont

Rtoolin@uvm.edu

CREST - Champlain Research Experience for Secondary Teachers

406 ZB

Jennifer D. Adams

Dan Meharg

Brooklyn College

jadams@brooklyn.cuny.edu

Extending classrooms into parks through informal science learning and place-based education

408 ZB

12:00 pm-12: 30 pm

Mariah Hamel

Plot.ly

mariah@plot.ly

Workshop: Data analysis and graphing with Plotly

414 ZB

Stacey Greengold

Stony Brook University

stacey.greengold@stonybrook.edu

Walking up the down escalator: Teachers' conceptions about chemical equilibrium and their use of analogies in the classroom

418 ZB

Caren Gough

Ross H. Nehm

Minsu Ha

Stony Brook University

caren.gough@stonybrook.edu

Exploring the impact of multi-level professional development program genomic approaches in the biosciences

406 ZB

12:30pm-1:00pm

Dennis M. Robbins

Hunter College

drobb@hunter.cuny.edu

Sputnik Moments: Moral Panics in Science Education

414 ZB

Keith Sheppard

Linda Padwa

Stony Brook University

keith.sheppard@stonybrook.edu

Chemistry Teaching in New York State: Past, Present and Future

418 ZB

Daniel Wolff

Rosamond Kinzler

AMNH

dwolff@amnh.org

Strengthening the Curriculum Mapping Experience in an Urban Teacher Preparation Program

406 ZB

Will Snyder

University of Massachusetts Amherst

wsnyder@umext.umass.edu

Experiences of Science and Civic Engagement in a High School Community Research Curriculum

408 ZB

Lunch Break

Teachers College Cafeteria, Ground Floor Grace Dodge Hall

1:00pm- 2:00pm

*Please remember to bring your lunch voucher given to you at check-in.

Session Four, 2:00pm- 3:30pm: Presentations

2:00pm -2:30pm

Jim Short

Dora Kravitz

American Museum of Natural History

jshort@amnh.org

Integrating Science Practices with Common Core Literacy Strategies Using Teaching Cases and Online Data Tools

414 ZB

Jason S. Wu

Teachers College, Columbia University

jasonwu@columbia.edu

English Language Learners' Native Language Use in a Secondary Science Classroom: A Pilot Study

418 ZB

Konstantinos Alexakos

Kenneth Tobin and Malgorzata Powietrzynska

Brooklyn College – CUNY

kalexakos@gmail.com

Multi-Level Research on Emotions and Mindfulness in Science and Science Education

406 ZB

Mubina Khan Schroeder

New York University/Molloy College

mschroeder@molloy.edu

Questioning and Metacognitive Thinking: On-line and off-line assessments in understanding the role of prompting/questioning and metacognitive thinking in a digital chemistry learning environment

408 ZB

2:30pm -3:00pm

Jacqueline McLaughlin

Melissa Coyle and Rose Baker

Pennsylvania State University Lehigh Valley

jshea@psu.edu

Transforming Undergraduate Labs into Research Environments

414 ZB

Catherine L. Quinlan

NJ High School Biology Teacher

clk8@tc.columbia.edu

Using an astrobiology approach in the high school biology classroom - an exploratory study

418 ZB

Stephanie Wortel

Stony Brook University

stephanie.wortel@stonybrook.edu

Science Researchers' Perspectives on K-12 Science Teaching Before and After Clinical Teaching Experiences

406 ZB

Dave Liam Johnston

Shelley C. Kurland

Montclair State University

johnstond5@mail.montclair.edu

How can we help you? Using responsive coaching to support transformative teaching with digital technology in science classrooms

408 ZB

3:00pm-3:30 pm

Leslie Day

www.fieldguidenyc.com

leslieday@me.com

Nature in the City

414 ZB

Denise Mahfood

Teachers College, Columbia University

dm2564@tc.columbia.edu

Persistence in Science: Science Identity Development for Undergraduate Students of Color

418 ZB

Ernest Poole

CUNY Graduate Center

epoole@gc.cuny.edu

Emotions, Mindfulness, Wellness, & Harmony in Teaching/Learning

406 ZB

Duane Wallace

Alec Bodzin

Lehigh University

duane@duanew.com

Affordances of Mobile Learning Technologies in the Environmental Sciences

408 ZB

Business Meeting: 3:30pm-3:45pm

NE-ASTE: All Welcome to Attend

Room 408 ZB

Closing Reception and Poster Presentations

4:00pm

Everett Lounge 1st Floor ZB

*The Department of Mathematics, Science, and Technology at
Teachers College, Columbia University
cordially invites you to*

**A Celebration of STEM Education at Teachers College
Honoring Science Educators in the Northeast**

and

Dr. O. Roger Anderson

on the occasion of 50 years of service to the Teachers College community

Friday, October 17, 2014, 4-6 p.m.

Everett Lounge, Teachers College

525 West 120th Street