

THURSDAY
NOVEMBER 3

ABBREVIATION KEY

E: Elementary School

MS: Middle School

HS: High School

2Y: Two-Year College

4Y: Four-Year College

GA: General Audience

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THURS



8:30AM – 3:30PM
NABT/BSCS AP Biology
Academy Workshop

Governor's Square 16 • Invitation Only

QUBES Math Anxiety Faculty Mentor
Network

Governor's Square 17 • Invitation Only

10:00AM – 12:30PM
NABT Board Meeting

Governor's Square 9 • Committee Meeting • Invitation Only

11:15AM – 3:45PM
1130 | Math And Stats In The
Biology Classroom With HHMI
BioInteractive

Governor's Square 15 • Science Practices • Special Workshop (Tickets Required) • HS, 2Y
 Participants will learn key mathematical/statistical concepts and methods used in biological research, including sampling distribution, and descriptive/inferential statistics. Free classroom-ready resources from HHMI BioInteractive will be used.

Ryan Reardon, Paul Strode, Satoshi Amagai, HHMI BioInteractive, Chevy Chase, MD

11:30AM – 3:30PM
Behind the Scenes at the Denver
Zoo

Lobby • Field Trip (Tickets Required) • GA
 The Denver Zoo is a staple of the downtown area and popular among students and educators throughout Colorado. Don't miss a chance to experience a behind the scenes tour of the zoo's vet hospital, a tour of the nutrition center, an animal demonstration/encounter, and a guided tour of the Denver Zoo's newest tiger exhibit, *The Edge*. The focus of this field trip will be based on animal care – vet care, nutritional needs, and exhibit design to meet the needs of the animals.

12:30PM – 3:30PM
968 | Bringing Natural History
Museum Collections into the
Classroom: Exploring 55 Million
Years of Horse Evolution in
Response to a Changing Climate

Governor's Square 14 • Evolution • Special Workshop (Tickets Required) • MS, HS, GA
 This teacher/scientist created and field-tested series of lessons addresses macro- and micro-evolutionary concepts. Workshop participants will use 3D printed fossil horse teeth study sets and engage in an investigation of the fossil horse record.

Sean Moran and Julie Bokor, University of Florida, Gainesville, FL; Jennifer Broo, St. Ursula Academy, Cincinnati, OH; and Jessica Mahoney, Edgewater HS, Orlando, FL

1:00PM – 3:30PM

△ INTRO BIO TASK FORCE

1137 | Unpacking Common
Competencies and Science Practice
Outcomes in K-18 Biology Education

Governor's Square 10 • Curriculum Development • Special Workshop (Tickets Required) • HS, 2Y, 4Y

Biology educators will participate in group discussions and activities to evaluate commonalities across guiding policies like NGSS, AP Curriculum Framework, and Vision and Change.

NABT Intro Bio Task Force

1:30PM – 2:45PM
NABT Open Forum

Governor's Square 12 • Special Program
 Engage with leaders and fellow NABT members in this interactive format that highlights "the state of the association." Learn more about ongoing initiatives and upcoming projects. Help to continue to make NABT the "leader of life science education" with your insight, feedback, and leadership.

1:30PM – 3:30PM
994 | 20 in 20: The Next Chapter

Governor's Square 11 • General Biology • Special Workshop (Tickets Required) • MS, HS, GA
 Make your biology course more inquiry-based and student-centered with new 20-minute activities to engage students in hands-on learning. Topics include molecular biology, genetics, cells, cell processes, and scientific practices.

Whitney Hagins, Massachusetts Biotechnology Education, Cambridge, MA

3:00PM – 3:45PM

**NABT/BSCS AP Biology
Academy Reception**

Governor's Square 16 • Invitation Only

Sponsored by



**Four-Year Section Executive
Committee Meeting**

Governor's Square 12 • Committee Meeting
• GA

Anneke Metz, Section Chair

5:30PM – 7:00PM

Exhibit Hall Opening Reception

Plaza Court • Special Program

You are the guest of honor at this special opening reception of the 2016 Exhibit Hall. Showcasing the NABT sponsors and exhibitor community, the exhibit hall is the place to get the tips and tools that will help you enhance your teaching and engage your students. Join us for complimentary appetizers and beverages, and help us kick off the NABT Conference in style.

Sponsored by



6:30PM – 7:30PM

Past Presidents Meeting

President's Suite • Special Event •
Invitation Only

4:00PM – 5:15PM

GENERAL SESSION SPEAKER

Elaine Ostrander

See page 8 for biography.

**Whole Genome Sequencing in Dogs: Facilities Studies of Breed
Variation and Disease Susceptibility**

Plaza Ballroom ABC • Special Speaker • GA

The Ostrander lab seeks to understand disease susceptibility, behavior, and morphologic variation that occur across domestic dog breeds. Working with dog owners, breeders and the American Kennel Club, the lab collects DNA samples from dogs of varying phenotypes and applies the most sophisticated of genomic technologies to understand variation in behavior, morphology and disease susceptibility across domestic dog breeds. This information inevitably helps us understand the genetic underpinnings of the same or similar phenotypes in humans, highlighting mutations, genes or pathways important to developmental and disease processes. Dogs are ideal for such studies since each dog breed represents an isolated and relatively pure breeding population, dog families are larger—much more so than humans, and dog owners ensure the health of their pets by vigilant screening on the part of a highly motivated veterinary community.

This presentation will highlight some of the morphologic phenotypes the Ostrander lab has and is pursuing and the large resources the lab is developing for the research community to tackle those questions. The origins of dog breeds and how canine populations are unique from those of other domestic mammals will also be discussed.

Get Involved at NABT

Charging Station • Exhibit Hall

Learn more about volunteer opportunities at NABT. Committee Chairs, Section Chairs, and Regional Coordinators will be on hand to highlight NABT programs and answer questions. Look for details in the Exhibit Hall.

Thursday, November 3

Committee & Section Chairs
5:30PM – 7:00PM

Friday, November 4

Regional Coordinators
4:00PM – 5:30PM

Charging station sponsored by





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