



# **Making STEM Meaningful: Dynamic TI-Nspire™ Lessons with Real Storylines in Medical Research**

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# Moderator Bio



## **Mike Houston**

**T<sup>3</sup> National Instructor  
Riverside High School  
Ellwood City, PA**

Mike is in his eleventh year of teaching high school mathematics in Ellwood City, PA. While participating in a TI-Navigator™ Fast-Track in 2007, he learned how technology can effectively cultivate students' wide range of learning styles. During this time, Mike has served as a T<sup>3</sup> National Instructor and a contributing author for MathForward™.

# Panelists' Bios



**Liz McMillan**

**Curriculum Education  
Coordinator,  
Sanford Research**

**Sioux Falls, SD**

Liz McMillan is the Education Coordinator for Sanford Research, a Biomedical Research facility that is part of a large rural healthcare network. A former middle school science teacher, McMillan creates content and programming for K-12 students and teachers connected to authentic science and research. She currently serves as President Elect for the South Dakota Science Teachers Association



**Jeff Lukens**

**T<sup>3</sup> National Instructor**

**Sioux Falls, SD**

When he retired from teaching in 2014, Jeff had taught high school science for 34 years. He now delivers professional development across North America for the Teachers Teaching with Technology organization as a full-time science instructor. He continues to author activities for all levels of science teachers and learners.

## Panelists Bio



**Dr. Jill Weimer, PhD**

**Sanford Research  
Primary Faculty**

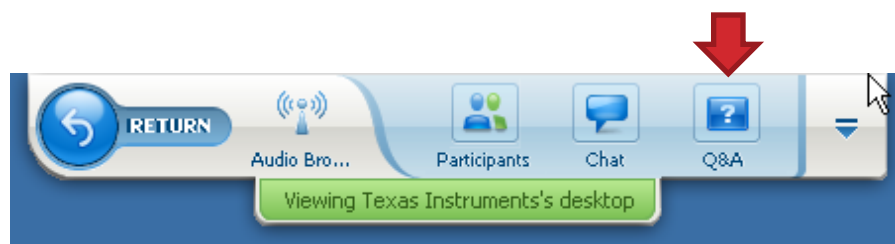
**Sioux Falls, SD**

Dr. Weimer is the Associate director and scientist in the Children's Health Research Center. She is also an Associate professor for the Department of Pediatrics at the Sanford School of Medicine at the University of South Dakota. Dr. Weimer earned a Bachelor of Science and doctorate in neuroscience at the University of Rochester, Rochester, NY and a Postdoctoral fellowship in The Neuroscience Center at the University of North Carolina, Chapel Hill

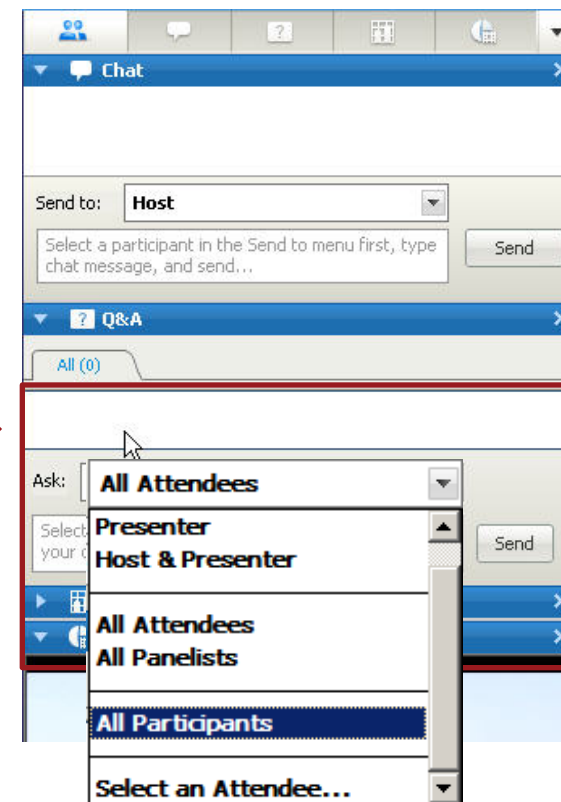
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*Note: Use the **Chat** panel for general communication*



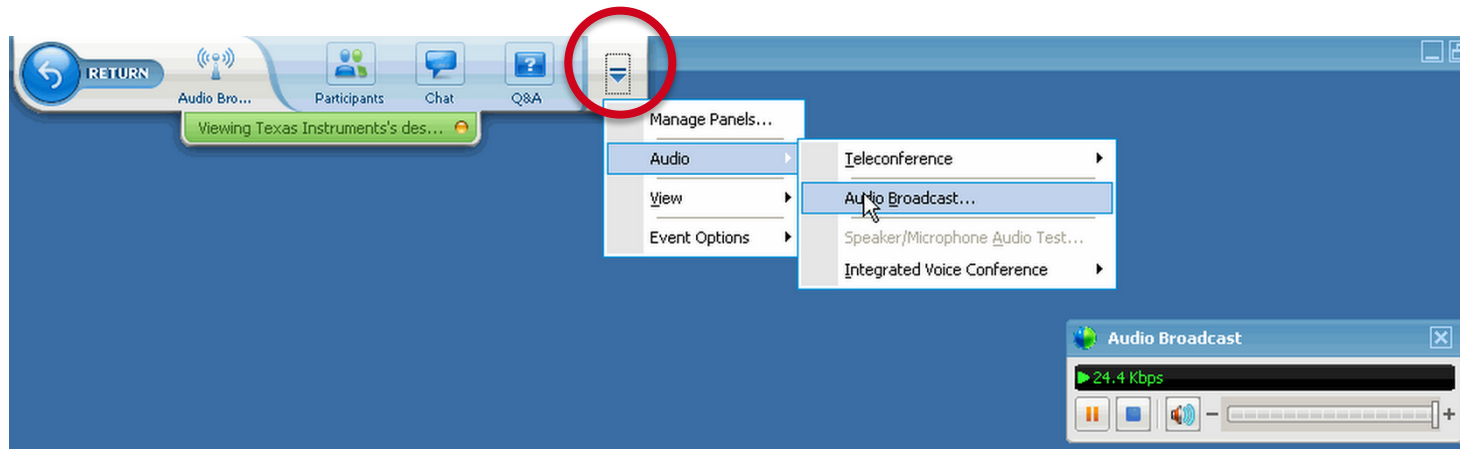
Questions directed to:

- All Attendees** excludes Moderator and Panelists
- All Participants** includes everyone in the meeting

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If your audio becomes disconnected, follow these instructions to reconnect it.

1. Click the “eject” arrow at the far right of the floating toolbar.  
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# Agenda

- Welcome & introductions
- STEM Behind Health
- New STEM Activity
  - *Disease Detectives (in Beta testing)*
- Online resources
- *Webinar Giveaway: complimentary registration for a T<sup>3</sup> Summer Workshop*

## Expected Outcomes:

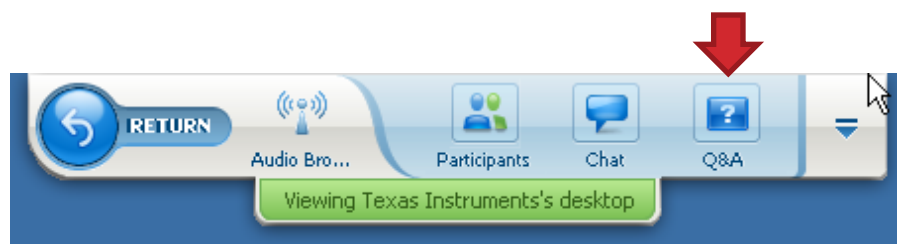
- **Using** interactive TI-Nspire™ activities to engage students in the math and science behind rare genetic diseases
- **Encouraging** students to connect what they are learning in the classroom to authentic research that's happening now
- **Inspiring** students to learn more about meaningful careers in the field of health care



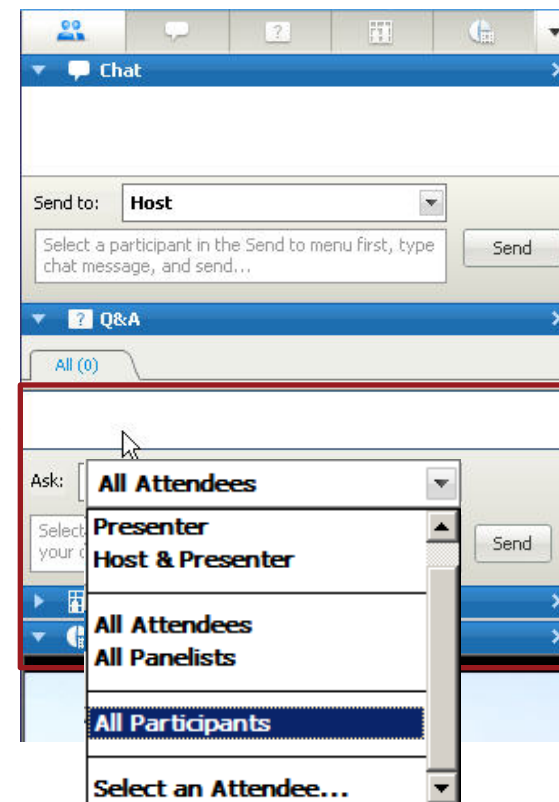
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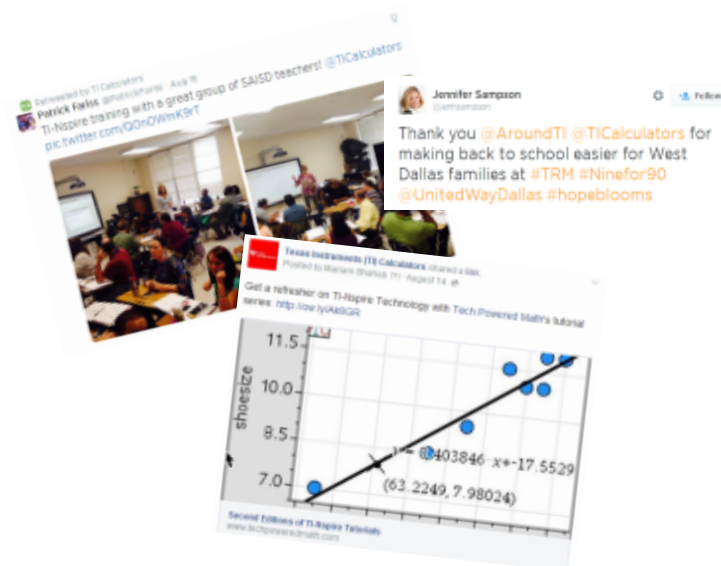
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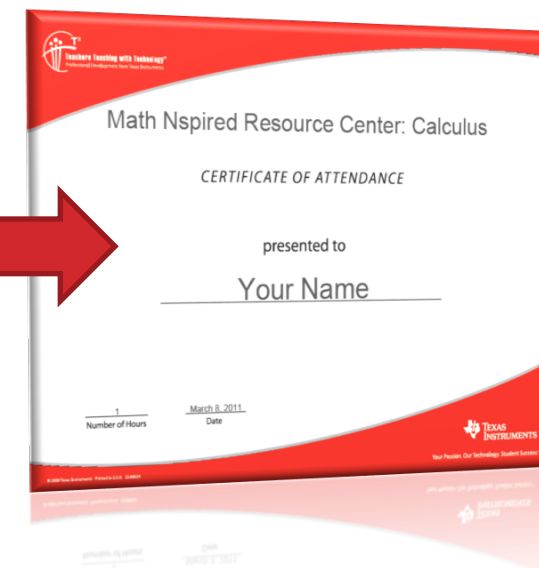
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Presented by: Todd Morstein and Tom Reardon. See archive at <http://education.ti.com/tiwebinars>

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