

Communicating Science 2014

A workshop for graduate students



ComSciCon is generously supported by:



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Program Schedule

Thursday, June 12, 2014

8:30AM	Breakfast
9:00AM	Welcome
9:15AM	Improvscience Session led by Dr. Raquell Holmes
11:00AM	<p>Panel I: Communicating with Non-Scientific Audiences</p> <ul style="list-style-type: none"> • Courtney Humphries, journalist and author most recently of <i>Superdove</i> • Dr. Ben Lillie, co-founder and director of storycollider.org • Phil Mckenna, journalist published in the New York Times, Wired and more • Dr. Dietram Scheufele, professor and co-chair of the National Academies' Roundtable on <i>Public Interfaces of the Life Sciences</i>
12:30PM	Catered Lunch
2:00PM	Twitter Tutorial
2:30PM	<p>Panel II: Communicating Complexity and Controversy</p> <ul style="list-style-type: none"> • Jen Briselli, science communication researcher • Dr. Rick Fienberg, press office and director of communications for the American Astronomical Society • Lisa Song, Pulitzer Prize winner, environmental science reporter for InsideClimate News • Dr. Ryan Vachon, climate scientist and videographer
4:00PM	Science Careers, Sparkling Cider and Scrumptious Crudités
5:30PM	Peer Editing Preparation Presentation
6:00PM	Dinner and Peer Editing Session
8:00PM	Writing Café (drafting time with snacks)
9:00PM	Return to Dorms

Friday, June 13, 2014

8:30AM	Breakfast
9:00AM	<p>Panel III: Communicating for a Cause</p> <ul style="list-style-type: none"> • Dr. Ana Unruh Cohen, Director of Energy, Climate and Natural Resources, Office of Senator Edward J. Markey • Dr. David Goldston, Director of government affairs, National Resources Defense Council • Dr. Laura Grego, senior scientist at the Union of Concerned Scientists • Dr. Sarah Smith, marine biologist and policy specialist for Environmental Defense Fund
10:30AM	<p>Panel IV: Communicating Using Multimedia</p> <ul style="list-style-type: none"> • Dr. Alyssa Goodman, Professor of Astronomy and expert in inter-disciplinary data visualization • Jeff Lieberman, roboticist and host of Discover Channel's Time Warp • Dr. Donna Nelson, Professor of Chemistry and science advisor for the television series <i>Breaking Bad</i> • Soren Wheeler, senior producer at Radiolab
12:00PM	Catered Lunch

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1:30PM	Panel V: Improving Diversity Through Communication <ul style="list-style-type: none">• Dr. Mónica I. Feliú-Mójer, Manager of Outreach Programs for the Department of Biostatistics at University of Washington• Dr. Renee Hlozek, astronomer and TED fellow• Dr. John Johnson, Professor of Astronomy and academic diversity advocate• Dr. Brindha Muniappan, Director of Education and Public Programs, MIT Museum
3:00PM	Expert Review of Attendee Writing
5:00PM	Keynote Presentation: Dr. Bassam Shakhashiri, “Advancing Science and Communicating Science”
6:15PM	Travel to Banquet Venue
7:00PM	Banquet Dinner at Elephant Walk Restaurant (Porter Square)
9:00PM	Informal Social Evening

Saturday, June 14, 2014

9:30AM	Breakfast
10:00AM	Developing a Science Communication Network
11:00AM	Multimedia Poster Session
2:00PM	“American Scidol” Pop Talk Competition/Outreach (at MIT Museum)

K12 Schedule

Sunday, June 15, 2014

8:30AM	Continental Breakfast & Registration
9:15AM	Welcome and Introduction
9:30AM	Keynote Lecture: Dr. Todd Zakrajsek, executive director at the Academy of Educators, UNC-Chapel Hill
10:15PM	Introduction to Bringing Research and Data into the Classroom by ComSciCon Graduate Students in STEM disciplines
10:45AM	Coffee Break
11:00AM	Addressing Misconceptions and New Curriculum Standards, Dr. Kristen Cacciatore
12:00PM	Dr. Donna Nelson, professor of chemistry and <i>Breaking Bad</i> science advisor
12:30PM	Lunch
1:30PM	What Does it Mean to be Excellent? , Dr. John Johnson, professor of astronomy
2:15PM	How to Encourage Diversity in STEM, Tiffany Decker, Office of Engineering Outreach at MIT
2:30PM	Introduction to Astrobites/Stembites and Writing Topic Assignment
3:00PM	Curriculum Module Development
4:15PM	K12 “pop” presentations
4:40PM	Wrap Up & Conclusions



Poster Session Schedule

Saturday, June 14, 2014

Session 1: 11:00am - 12:00pm

Screen 1: **Jaan Altosaar**

Useful Science: challenges and opportunities in building a non-profit science outreach website

Screen 2: **Kelsey Ellis**

Marine Science and Storytelling

Screen 3: **Katherine Rogers**

Back to Basic Research

Screen 4: **Kunmi Sobowale**

Crowd-sourcing the Scientific Literature to Facilitate Understanding

Screen 5: **David Rolnick**

eMIT: a student-written science blog

Screen 6: **Carrie McDonough**

Bringing the Excitement of Oceanography to Broad Audiences: oceanbites.org

Screen 7: **Megan Harberts**

A Day in the Life in Physics at Ohio State University: A Blog with Stories for Aspiring Female Scientists

Screen 8: **Josh Wolff**

Clean Energy, Local Engagement and Mobile Communication

Screen 9: **Santiago Beltran and YC Lee**

Global App Initiative: Building Apps for Non-Profits

Screen 10: **Bryan Leland**

Yale Science Diplomats

Screen 11: **Steph Guerra**

Science in the News

Screen 12: **Tabitha Finch**

"Ask a Scientist" Weekly Newspaper Column

Session 2: 12:00pm - 1:00pm

Screen 1: **Brian Aguado**

The Oncofertility Summer Academy: Science Outreach and Education at Northwestern University

Screen 2: **Colin Young**

Development of a Widespread Engineering Community Outreach Program through an Undergraduate Mentoring Team and Online Database

Screen 3: **Catherine A. Dayger**

Biology Investigations and Outreach at Portland State University

Screen 4: **Molly Gasperini, Amy Rohfling, and Becki Lijack**

Journal of Emerging Investigators: Publishing middle and high school students' original research

Screen 5: **Gina Varamo and Brendan Raftery**

Science Club for Girls Media Team

Screen 6: **Jaime K Devine**

Using Science Fiction to Improve Science Function

Screen 7: **Maddie Stone**

The Science of Fiction

Screen 8: **Chris Holdgraf**

The Berkeley Science Review - teaching graduates how to communicate

Screen 9: **Megan Gambs**

Engage: Where scientists become storytellers

Screen 10: **Annie Bruns**

SACRED Science: Storytelling, Awe, Celebration, Reverence, Education, and Discovery

Screen 11: **Sarah Rugheimer**

PolicyLab.org: Forum for Graduate Students to Talk Policy

Screen 12: **Joseph Azzarelli**

MIT Science Policy Initiative: A Model for Student-Led Engagement in Science Policy Issues



Surprise! You just ended up in the elevator with your scientific hero. You have **sixty seconds** to explain to them who you are, what you do, and why your work matters.

We will feature a few pop talks by attendees at the start of each session and before lunch each day. You will have one minute to introduce yourself and explain your research to the rest of the attendees. Please remember that not all attendees are expert in your field of interest, so try to avoid using jargon. The audience has “Jargon” and “Awesome” cards in their folders. If they feel like you used jargon, they’ll let you know. They can also let you know that you are awesome.

Pop Talks Schedule

Panel One		
Madeleine Stone	University of Pennsylvania	Environmental Science
Bryan Leland	Yale University	Biology
Benjamin Ross	University of South Florida	Oceanography
Roberto Sanchis Ojeda	MIT	Astronomy/Astrophysics
Pinar Gurel	Dartmouth College	Biochemistry
Amy McDermott	Columbia University	Conservation Biology
Jacob Hansen	University of Utah	Environmental Science
Lunch Day One		
Robert MacDonald	Cornell University	Environmental Toxicology
Colin Young	University of Utah	Chemical Engineering
Casey Gilman	University of Massachusetts Amherst	Evolutionary Ecology
Jaan Altosaar	Princeton University	Physics
Catherine Dayger	Portland State University	Biology
Diane Wu	Stanford	Materials Chemistry
Reginald Bain	Duke University	Physics
Panel Two		
Stephanie Guerra	Harvard University	Biology/Medicine
Morgan Rehnberg	University of Colorado – Boulder	Astrophysics/Planetary Science
Gordon Ober	University of Rhode Island	Ecology
Kat Tarasova	MIT	Microbiology/Chem-Eng
Kristin Hook	Cornell University	Behavioral Ecology
Laura Stevens	MIT/WHOI Joint Program	Earth/Planetary Science
Science Careers		
Sanjay Yengul	Boston University	Mechanical/Biomedical Engineering
Aaron Johnson	MIT	Aerospace
Megan Gambs	University of Washington	Oceanography
Rosa Li	Duke University	Psychology/Neuroscience
Grace Wu	Boston University	Biomedical Engineering
Cyan James	University of Washington	Public Health/Genetics

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Panel Three		
Jaime Devine	Brandeis University	Neuroscience
Katherine Rogers	Harvard University	Developmental Biology
Heather Olins	Harvard University	Marine Microbiology
Levi Gadye	UC Berkeley	Neuroscience
Chris Holdgraf	UC Berkeley	Computational Neuroscience
Kelsey Ellis	University of North Carolina at Chapel Hill	Molecular Physiology
Panel Four		
Alexandra Giese	Dartmouth	Earth Science
Jennifer Teshera-Levy	University of Minnesota	Plant Physiology/Ecology
Anna Malek	University of Rhode Island	Oceanography
Paul CaraDonna	University of Arizona	Ecology
Kunmi Sobowale	University of Chicago	Medicine
Annie Bruns	Northwestern University	Biology
Lunch Day Two		
Melody Takeuchi	Tufts University	Mathematics
Michael Chaffin	University of Colorado	Planetary Science
Darshana Shapiro	Rutgers University – New Brunswick	Evolutionary Anthropology
Brian Aguado	Northwestern University	Biomedical Engineering
Jai Kanth Panthail	University of Utah	Civil/Environmental Engineering
Kate McClure	Northeastern University	Marine Ecology
Panel Five		
Michael Frazier	University of Colorado Boulder	Materials Science
Sarah Willis	Iowa State University	Astronomy
Jennifer Henderson	University of Missouri	Biological Sciences
Jessie Martin	Tufts University	Evolutionary Biology
Josh Wolff	MIT	Technology and Policy
Tabitha Finch	University of Missouri	Ecology