

## Public Engagement with Science at the 2019 AAAS Annual Meeting

Are you attending the [2019 AAAS Annual Meeting](#) in Washington, DC and interested in science communication and public engagement? You can peruse the online program for scientific sessions under the “[Sharing Science](#)” track and explore the keyword listings under “citizen science,” “informal science education,” “online communication” “public engagement,” and “science communication.”

Or if you prefer, here’s a cheat sheet for (most of) what’s happening!

### Thursday, February 14, 2019

Seminars	Special Events
<ul style="list-style-type: none"> <li>• <b>9:00 AM - 10:30 AM</b> Connecting Science and Policy: Opportunities for Dialogue with Policymakers</li> <li>• <b>11:00 AM - 12:30 PM</b> Strategies for Sustaining Public Engagement in a Research Career</li> <li>• <b>2:30 PM - 4:00 PM</b> Breakout Sessions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>1:00 PM - 2:00 PM</b> Engaging Scientists and Engineers in Policy (ESEP) Town Hall</li> <li>• <b>4:30 PM - 5:30 PM</b> AAAS Leshner Fellows Announcement Reception (invitation only)</li> </ul>

### Seminars

Don’t miss this year’s Communicating Science Seminar on Thursday, February 14 (free to attend even if you’re not going to the rest of the Annual Meeting!). For the first time, the afternoon panel will be replaced by eight breakout sessions – including a networking fair. This year’s panels are:

**9:00 AM - 10:30 AM** Connecting Science and Policy: Opportunities for Dialogue with Policymakers This session will consider what strategies are effective for conveying policy-relevant research to policymakers or advocating for the use of evidence in policymaking or for science funding more broadly.

**11:00 AM - 12:30 PM** Strategies for Sustaining Public Engagement in a Research Career Participants in this session will share ways they have included public engagement in their research careers at a variety of institutions, with different funding agencies and incentives. They will also discuss how incorporating public engagement into their research has benefited their work and careers and challenges they have encountered along the way.

**2:30 PM - 4:00 PM** - Breakout Sessions

- Building On/Building Out the Knowledge Bases through Research-Practice Partnerships
- Communicating Science across Boundaries
- Communicating Uncertainty

- Engaging the Public at Community Events: Interpretive Kits and Tabling
- SciComm Applied: Viewing Broader Impacts through a Science Communication Lens
- Simplified Doesn't Have to Mean Dumbed-Down
- The Power of Infographics
- Building Engagement Capacity on Campus and in Communities Networking Fair

## Special Events/Networking

**1:00 PM - 2:00 PM** As always, the Engaging Scientists and Engineers in Policy (ESEP) Town Hall will be held during the lunch break.

## Special Events/Receptions

**4:30 PM - 5:30 PM** AAAS Leshner Fellows Announcement Reception: Meet some of the new cohort of public engagement fellows, alumni, and program staff. This event is invitation only.

Thursday, February 14, 2019

Friday, February 15, 2019

Flash Talks	Special Events	Scientific Sessions	Workshops
<p><b>•1:30 PM - 3:00 PM</b> Engaging the Public</p>	<p><b>•1:00 PM - 1:30 PM</b> How do you #SciEngage?</p> <p><b>•1:30 PM - 3:00 PM</b> How do you #SciEngage? Planning YOUR engagement</p> <p><b>•6:30 PM - 8:00 PM</b> AAAS Dialogue on Science, Ethics, and Religion Reception</p> <p><b>•6:30 PM - 8:30 PM</b> AAAS EPI Center Reception</p>	<p><b>•8:00 AM - 9:30 AM</b> Science Informing Policy</p> <p><b>•8:00 AM - 9:30 AM</b> Driverless Futures</p> <p><b>•8:00 AM - 9:30 AM</b> Fighting Fake News</p> <p><b>•8:00 AM - 9:30 AM</b> A Feminist Agenda for Science Communication</p> <p><b>•10:00 AM - 11:30 AM</b> A Shared Vision</p>	<p><b>•3:30 PM - 5:00 PM</b> Formulate to Communicate: Heroes, Improv and Science Storytelling</p>

## Flash Talks

**1:30 PM - 3:00 PM** Engaging the Public This group of Flash Talks describes successful efforts to make science more accessible and communicate scientific achievements to society at large.

## Special Events/Expo Events

Everything at the Expo Stage!

**1:00 PM - 1:30 PM** How do you #SciEngage? The AAAS Center for Public Engagement with Science is giving a presentation on planning public engagement activities.

**1:30 PM-3:00 PM** How do you #SciEngage? Planning YOUR engagement You can join our public engagement coaches in the Lounge to make a plan for your own public engagement activities.

## Special Events/Receptions

**6:30 PM - 8:00 PM** AAAS Dialogue on Science, Ethics, and Religion Reception Learn about how this AAAS program facilitates communication between scientific and religious communities

**6:30 PM - 8:30 PM** AAAS EPI Center Reception Meet the leadership of the newly-launched AAAS Center for Scientific Evidence in Public Issues (EPI Center) and learn more about its mission to provide timely, relevant scientific evidence to policymakers at all levels.

## Scientific Sessions

**8:00 AM - 9:30 AM** Science Informing Policy: Responsible Decision Making Attendees of this session will leave better equipped to frame key conversations about the use of science in society and empowered to effect change in both research programs and policy systems.

**8:00 AM - 9:30 AM** Driverless Futures: Disciplines, Sectors, and Geographic Considerations Topics to be discussed include management of the distribution of income when many people no

longer need to work or are unable to find employment, as well as the policy options available to manage the transition to a much different economy.

**8:00 AM - 9:30 AM** Fighting Fake News: Views from Social and Computational Science This panel will present the insights of three leading scientists who study misinformation and fake news, and who have important perspectives on how public policy can be used to fight it.

**8:00 AM - 9:30 AM** A Feminist Agenda for Science Communication: Necessary and Timely Topics to be covered include identifying the research areas of science communication that might be informed by feminist science studies and methodologies that might inform science communication research. A range of challenges facing science communicators will be covered, as well as ways these challenges can inform research, and ways researchers can provide useful resources.

**10:00 AM - 11:30 AM** A Shared Vision: Overcoming the Barriers for Scientists to Communicate and Engage This workshop will explore how invested partners can design an environment which supports scientists to communicate and engage effectively.

### Workshops

**3:30 PM - 5:00 PM** Formulate to Communicate: Heroes, Improv and Science Storytelling The thing "The Avengers," improv comedy, and a Hyperspectral Infrared Imager all have in common is a new partnership to assist the science community in more effective communication. The NASA/Jet Propulsion Lab's Innovation Foundry teamed up with Disney and a veteran of the entertainment industry to develop techniques to help scientists think differently about how they communicate their science through storytelling. Storytelling consists of two parts. The Story focuses on creating science narratives that are understandable by avoiding jargon and complexity. The Telling demonstrates improv skills to maximize the impact of those stories on an audience. This session will offer some applicable ways of how to maximize overall impact.

Friday, February 15, 2019

Saturday, February 16, 2019

Flash Talks	Special Events	Scientific Sessions	Workshops	Topical Lectures
<ul style="list-style-type: none"> <li><b>1:30 PM – 1:40 PM</b> March Mammal Madness: The Power of Science as Narrative</li> </ul>	<ul style="list-style-type: none"> <li><b>11:00 AM - 4:00 PM</b> Family Science Days</li> <li><b>5:15 PM Awards Ceremony</b> - AAAS Mani L. Bhaumik Award for Public Engagement with Science - AAAS Early Career Award for Public Engagement with Science</li> <li><b>6:30 PM - 8:00 PM</b> Public Engagement with Science Networking Reception</li> </ul>	<ul style="list-style-type: none"> <li><b>8:00 AM - 9:30 AM</b> Ecologies of Innovation</li> <li><b>8:00 AM - 9:30 AM</b> Science Engagement with Faith Communities</li> </ul>	<ul style="list-style-type: none"> <li><b>8:00 AM - 9:30 AM</b> Finding Your Voice: Storytelling Lessons for Scientists</li> <li><b>1:30 PM - 3:00 PM</b> Scientists Who Draw Comics</li> </ul>	<ul style="list-style-type: none"> <li><b>12:00 PM - 1:00 PM</b> Carl Zimmer: Heredity: Our Defining Mystery</li> </ul>

### Flash Talks

**1:30 PM – 1:40 PM** March Mammal Madness: The Power of Science as Narrative March Mammal Madness upends stereotypes of science as dry and prescriptive and instead demonstrates that science and scientists are characterized by creativity, imagination, and joy in exploring the natural world. The human mind is characterized by the cognitive adaptation to gain and retain socially transmitted information. Science communicated through narration within a social dynamic is therefore particularly salient and conducive to learning. As such, March Mammal Madness is collective performance science that reaches broad audiences.



AAAS  
**Family  
Science  
Days**

### Special Events/Expo Events

**11:00 AM - 4:00 PM** Family Science Days Interactive booths and live stage shows highlighting diverse areas of science, appropriate for K-12 youth and their families. Free and open to the public.

### Special Events/Special Session

**8:00 AM - 9:30 AM** Finding Your Voice: Storytelling Lessons for Scientists Finding Your Voice: Storytelling Lessons for Scientists This panel, will bring together professional science communicators and scientists who have strategies to share. You'll hear how to ace a live radio, video or onstage interview; how to be a better storyteller and advocate for your work; how to edit your message to others; how to use humor to engage your audience; and how to turn your life's work into a winning book proposal.

### Special Events/Receptions

**6:30 PM - 8:00 PM** Public Engagement with Science Networking Reception A space for attendees interested in public engagement to network and collaborate.

**5:15PM** Awards Ceremony AAAS will announce award winners during the plenary session titled "Fabiola Gianotti: Fundamental Research at CERN and International Collaboration"

- AAAS Mani L. Bhaumik Award for Public Engagement with Science
- AAAS Early Career Award for Public Engagement with Science

### Scientific Sessions

**8:00 AM - 9:30 AM** Ecologies of Innovation: The Potential for Biotechnology to Address Forest Health This session discusses the 2018 report on the potential use of biotechnology for forest health by an interdisciplinary committee convened by the National Academies of Sciences, Engineering, and Medicine, which explored these issues.

**8:00 AM - 9:30 AM** Science Engagement with Faith Communities In this session, presenters will demonstrate how engagement that is cognizant of community interests, culture, and faith can have a positive and sustaining impact at the intersections of science and society. The content will focus on opportunities, challenges, and best practices for science dialogue, particularly when this involves religious publics.

### Workshops

**1:30 PM - 3:00 PM** Scientists Who Draw Comics: The Double Life of Visual Science Communicators Topics to be addressed include what makes good science comics, the ideal balance between fact and fiction, as well as how metaphor can be safely used to communicate complex ideas.

### Topical Lectures

**12:00 PM - 1:00 PM** Carl Zimmer: Heredity: Our Defining Mystery Carl Zimmer began his journalism career at Discover, where he served as a senior editor, and later went on to write hundreds of articles for magazines including National Geographic, The Atlantic, and Science. A professor adjunct at Yale, Zimmer teaches writing to undergraduate and graduate students. He is a Science Journalism Award Laureate, having won the AAAS Kavli Award three times. Zimmer's other honors include the National Academies Communication Award, the Stephen Jay Gould Award, the Online Journalism Association Award, and the National Association of Biology Teachers Distinguished Service Award.

Saturday, February 16, 2019

## Sunday, February 17, 2019

Special Events	Scientific Sessions	Workshops	Topical Lectures
<ul style="list-style-type: none"> <li>•11:00 AM - 4:00 PM Family Science Days</li> <li>•1:30 PM - 3:00 PM Speed-Pitching Your Science</li> </ul>	<ul style="list-style-type: none"> <li>•8:00 AM - 9:30 AM Synthetic Biology &amp; Adaptive Management</li> <li>•8:00 AM - 9:30 AM Sustainability Science &amp; Public Engagement</li> <li>•10:00 AM - 11:30 AM Improving Attitudes towards Chemistry through Informal Science Communication</li> <li>•3:30 PM - 5:00 PM YouTube: Friend or Foe</li> <li>•3:30 PM - 5:00 PM Using Online Platforms to Create Culturally Relevant Communities of Practice</li> <li>•3:30 PM - 5:00 PM Policymakers &amp; Communicating Science</li> <li>•3:30 PM - 5:00 PM Community Responses to Climate Change</li> </ul>	<ul style="list-style-type: none"> <li>•9:00 AM – 12:00 PM Dialogue on Science, Ethics and Religion (DoSER) Workshop 1 - Registration required</li> <li>•1:30 PM – 4:30 PM Dialogue on Science, Ethics and Religion (DoSER) Workshop 2 - Registration required</li> <li>•1:30 PM - 3:00 PM Conducting Science Outreach Online: Social and Multimedia</li> <li>•3:30 PM - 5:00 PM Exceptional Presentations in Spite of PowerPoint: How to Communicate Science in the Digital Age</li> </ul>	<ul style="list-style-type: none"> <li>•12:00 PM - 1:00 PM SARTON LECTURE: Karen A. Rader: Science for Grown-Ups: Assessing Past &amp; Present Adult Informal Science Education</li> </ul>



## AAAS Family Science Days

### Special Events/Expo Events

**11:00 AM - 4:00 PM** Family Science Days Interactive booths and live stage shows highlighting diverse areas of science, appropriate for K-12 youth and their families. Free and open to the public.

### Special Events/ Hands-On Practice

**1:30 PM - 3:00 PM** Speed-Pitching Your Science: (Session 1) and (Session 2) Here is your chance to present your science story ideas--one-on-one--to some of the most sought after production executives from around the globe.

### Scientific Sessions

**8:00 AM - 9:30 AM** Synthetic Biology and Adaptive Management This session explores the potential to modernize and leverage an adaptive management framework for decision making about synthetic biology. Panelists will discuss how emerging science and models in ecological risk assessment, public engagement, and mutual learning can strengthen adaptive management frameworks, facilitating collaborative decision-making processes and policy outcomes.

**8:00 AM - 9:30 AM** Sustainability Science and Public Engagement: Involving Land Owners in Research In this session, broad lessons from three programs that incorporate land owners in

**10:00 AM - 11:30 AM** Improving Attitudes towards Chemistry through Informal Science Communication This session focuses on the outcomes of work to overcome institutional divisions in order to improve the public's attitudes towards different fields of science.

**3:30 PM - 5:00 PM** YouTube: Friend or Foe in Communicating about Science and Health This panel brings together scholars investigating communication, education, and propaganda on YouTube in the areas of science and health to discuss their perspectives on the benefits and challenges of engaging with the platform.

**3:30 PM - 5:00 PM** Using Online Platforms to Create Culturally Relevant Communities of Practice This session will include practical advice on joining and supporting online communities. Panelists will discuss three examples of online communities of practice that are broadening participation in STEM.

**3:30 PM - 5:00 PM** Policymakers and Communicating Science: Opportunities and Best Practices This session will present the latest research from several science and engineering organizations on best practices in offering advice to government agencies.

**3:30 PM - 5:00 PM** Community Responses to Climate Change This session will highlight *How We Respond*, a new climate change communication initiative from AAAS's Center for Public Engagement with Science and Technology, as well as providing an opportunity for discussion of the draft multimedia case studies and synthesis report.

### Workshops

**9:00 AM – 4:30 PM** Dialogue on Science, Ethics and Religion (DoSER) Workshops Staff from AAAS's Dialogue on Science Ethics and Religion (DoSER) and Center for Public Engagement with Science and Technology present a workshop on engaging religious audiences. The same workshop is offered in the morning [\[link\]](#) and afternoon [\[link\]](#). Registration is required.

**1:30 PM - 3:00 PM** Conducting Science Outreach Online: Social and Multimedia In this interactive workshop, participants will learn about different types of social media used by scientists, how to use multimedia to convey a message, and how to combine multimedia and social media in communicating to diverse audiences about science.

**3:30 PM - 5:00 PM** Exceptional Presentations in Spite of PowerPoint: How to Communicate Science in the Digital Age Workshop presenters will illustrate best practices on how to communicate science during formal presentations, including how to use storytelling and anecdotes, digital tools such as simple DIY graphics which can be applied to science communication via social media, and offer advice on time management skills both for presentation preparation and execution.

### Topical Lectures

**12:00 PM - 1:00 PM** SARTON LECTURE: Karen A. Rader: Science for Grown-Ups: Assessing Past & Present Adult Informal Science Education Karen Rader studies the history of the modern life sciences, popular science, and museums in the United States. Her most recent book, co-authored with Victoria E.M. Cain, is *Life on Display: Revolutionizing U.S. Museums of Science and Natural History in the Twentieth Century* which was awarded the 2015 American Educational Research Association's New Scholar's Award and the 2015 History of Education Society annual book prize for the best book in the field. In 2013 she was elected an AAAS Fellow and in 2018 she became Co-Editor in Chief of the *Journal of the History of Biology*. She is currently working on an NSF-funded project to assess STS learning in science cafes.

Sunday, February 17, 2019