



UNDERSTANDING DYNAMIC ECOSYSTEMS



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 Scientific Sessions | Career Workshops

- Climate Change
- Sustainability
- Artificial Intelligence
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- Resource Management
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- Technology
- Diversity
- Public Health
- Infectious Disease
- Innovation
- Ecology
- Workforce Development
- Big Data
- Anthropogenic Processes
- Microbiome

The 2021 AAAS Annual Meeting will convene entirely online February 8-11, with related pre-released materials available starting in late January.



Dear Science Enthusiast:

It is difficult to believe how much our world has changed since our 2020 AAAS Annual Meeting in February. The theme of the 2021 Annual Meeting, *Understanding Dynamic Ecosystems*, took on a new and unexpected meaning, especially in light of how vital advances in science and technology come together to meet and to overcome the challenges of today's rapidly changing world.

What 2020 has demonstrated is that coming together virtually to highlight and discuss advances and collaborations across the STEM ecosystem is needed now more than ever—so much so that we are radically reducing the registration fee for our scientific program, thanks in part to the generous support of our sponsors. We continue to offer workshops, e-posters, and other complimentary programming.

Just as the rest of the world has adapted to a new normal, so too has your Annual Meeting team. Our new virtual format has transformed many aspects of the meeting, and we extend our gratitude to our attendees, speakers, sponsors, and volunteers for their patience and flexibility.

This February, we hope you will consider sharing your voice with our diverse community of scientists, educators, policymakers, journalists, and many others.

Sincerely,

Claire M. Fraser, Ph.D.

President, AAAS

Chair, 2021 Annual Meeting

Dean's Endowed Professor and Director, Institute for Genome Sciences

University of Maryland School of Medicine



Starting in late January,

Look out for the pre-release of meeting content:

- **Hundreds of Scientific Session videos**, highlighting the work of individual panelists will be available to stream.
- **E-poster galleries** will showcase research, including highlights from early career researchers.

Live February 8–11,

- Invited **Topical Lecturers** will be available for Q&A.
- **Scientific Sessions** will convene to discuss how each presenter's work interacts with others' and for Q&A.
- **Public Workshops** will focus on:
 - Advancing your career;
 - Advocating and building alliances;
 - Diversifying and enhancing equity in the scientific enterprise.
- And, of course, leading scientists will address attendees and the public during **Plenary Lectures**.

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/AAAS.Science

Thanks to the generous support of our sponsors, access to the scientific program for AAAS members is available at a deeply discounted rate of \$50.

Not a AAAS Member?

Now's the time to join. The 2021 Annual Meeting is open exclusively to members, but we've made joining easier than ever with new membership options ranging from \$25 to \$225.*

Simply choose the membership option for you and complete your meeting registration.

*Offer valid from November 6, 2020 to February 11, 2021, for new individual members only. There is a limit of one AAAS "Future of Science" T-shirt per membership order. Members with an international shipping address and student members who select a digital subscription are not eligible to receive the T-shirt. Please allow up to ten weeks for delivery of the T-shirt. The AAAS "Future of Science" T-shirt is provided as is, without any guarantees or warranty, and cannot be exchanged or returned.

In association with the product, AAAS makes no warranties of any kind, either express or implied, including but not limited to warranties of merchantability or fitness for a particular purpose. AAAS members are entitled to receive issues published only during their 12-month membership term.



Plenary Lectures



Claire M. Fraser

President, AAAS
University of Maryland School of Medicine

Presented by: **ASU** Arizona State University

Host University



Ruha Benjamin

Princeton University



Anthony S. Fauci

U.S. National Institute of Allergy
and Infectious Diseases



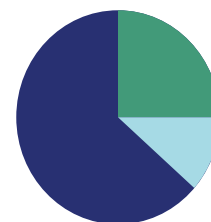
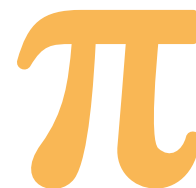
Mary L. Gray

Microsoft Research

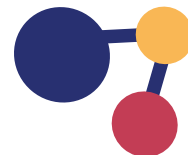


Sethuraman Panchathan

National Science Foundation



Topical Lectures



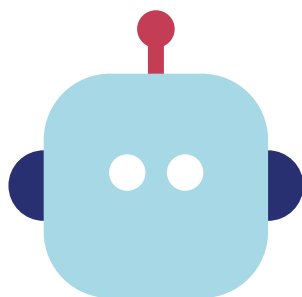
Anne H. Charity Hudley

University of California,
Santa Barbara



Joseph M. DeSimone

Carbon, Inc. and
Stanford University



Ayanna Howard

Georgia Institute
of Technology



Yalidy Matos

Rutgers University

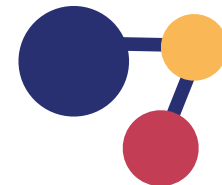


Nalini M. Nadkarni

University of Utah



As of September 30, 2020



Scientific Sessions

2021: A CRITICAL YEAR TO SUPPORT CLIMATE AND BIODIVERSITY

Organized by Andrew Allen, The Royal Society, London, United Kingdom

21ST CENTURY ALCHEMY: TURNING WASTE INTO RESOURCES

Organized by Boyoung Choe, National Research Council of Science and Technology, Sejong, Korea, Republic of (South)

AEROSPACE INDUSTRY: OPPORTUNITIES FOR PHYSICAL AND FUNCTIONAL EXPANSION

Organized by Lynnette D. Madsen, National Science Foundation, Alexandria, VA

AMAZON DEVELOPMENT PATHWAYS TO FOSTER CONSERVATION AND SOCIO-ECONOMIC PROSPERITY

Organized by Jessica Tome Garcia and Lauren Barredo, Sustainable Development Solutions Network, New York, NY

AN EPIDEMIOLOGICAL BLUEPRINT TO UNDERSTAND THE COMPLEX DYNAMICS OF A PANDEMIC

Organized by Marianne Lucien, ETH Zurich, Zurich, Switzerland

APPROPRIATE SCIENTIFIC RESPONSES TO CRISES

Organized by Atsushi Arakawa, Japan Science and Technology Agency, Tokyo, Japan

ARTIFICIAL INTELLIGENCE FOR PHYSICS: EXPERIMENTAL AND THEORETICAL PERSPECTIVES

Organized by Sergei Gleyzer, University of Alabama, Tuscaloosa, AL; Meenakshi Narain, Brown University, Providence, RI

ASTROBIOLOGY AND ORIGINS OF LIFE: FROM CHEMICAL NETWORKS TO LIVING ECOSYSTEMS

Organized by David Baum, University of Wisconsin-Madison, Madison, WI

BACTERIA, KEY PLAYERS IN MANY DIVERSE ECOLOGICAL NETWORKS

Organized by John Beutler, National Cancer Institute, Frederick, MD

BIOLOGICAL INVASIONS IN MOUNTAIN ECOSYSTEMS: RESEARCH AND EDUCATION

Organized by Robert Pal and Beverly Karplus Hartline, Montana Technological University, Butte, MT

BIOSPHERE RESPONSES TO GEOENGINEERING

Organized by Forrest Hoffman, Oak Ridge National Laboratory, Oak Ridge, TN; Cheng-En Yang, University of Tennessee, Knoxville, TN

BRAIN-MACHINE INTERFACES: SCIENCE, IMPACT, AND ETHICS

Organized by Jit Muthuswamy, Arizona State University, Tempe, AZ; Eric Maass, Medtronic RTG, Tempe, AZ

CANNABIDIOL 2021: SCIENCE, SAFETY, AND SOCIETAL ISSUES

Organized by Sol Bobst, ToxSci Advisors LLC, Houston, TX

CLEARING THE AIR: THE CASE FOR LOWERING US PM2.5 STANDARDS

Organized by Marianthi-Anna Kioumourtzoglou and Joan Casey, Columbia University Mailman School of Public Health, New York, NY

COASTAL ECOSYSTEMS: THE RELATIONSHIP BETWEEN COMMUNITY AND ENVIRONMENT

Organized by David Souza, UK Research and Innovation, Swindon, United Kingdom

COASTAL STORM EFFECTS IN THE TIME OF CLIMATE CHANGE

Organized by Ronadh Cox, Williams College, Williamstown, MA

COLLABORATING AT A DISTANCE TO FIGHT COVID-19

Organized by Heather Evans, National Institute of Standards and Technology, Gaithersburg, MD; Marla Dowell, National Institute of Standards and Technology, Boulder, CO

COMPLEX GLYCANS IN CORONAVIRUS BIOLOGY: THE SWEET SECRETS OF A PANDEMIC

Organized by Iain Wilson, Universität für Bodenkultur Wien, Vienna, Austria; Elisa Fadda, Maynooth University, Maynooth, Ireland

COMPUTATIONAL MODELING OF THE OVARY: APPLICATIONS FOR PREDICTIVE TOXICOLOGY

Organized by Karen H. Watanabe, Arizona State University, Phoenix, AZ; Mary B. Zelinski, Oregon National Primate Research Center, Beaverton, OR

COMPUTER SIMULATION MODELING FOR COVID POLICY: GLOBAL PERSPECTIVES

Organized by Abraham Flaxman, Institute for Health Metrics and Evaluation, Seattle, WA

COMPUTING, ARTIFICIAL INTELLIGENCE, AND SOCIETAL IMPACTS: AN INFLECTION POINT

Organized by Daniel A. Reed, University of Utah, Salt Lake City, UT

CONSEQUENCES OF INCARCERATION ON HEALTH INEQUITY AND RACIAL INJUSTICE

Organized by Linda Teplin, Northwestern University, Chicago, IL

CONVERSATIONAL CHALLENGES OF AI TEAMING WITH HUMANS

Organized by Randi Martin, Rice University, Houston, TX

COUPLING EXPERIMENTS AND MODELS IN STUDIES OF THE MICROBIOME

Organized by Mark Alber and Joel Sachs, University of California, Riverside, CA

COVID-19 ACADEMIC SYSTEM STRESS TEST: WINNERS AND LOSERS WHEN SCIENCE MOVES HOME

Organized by Stephanie Pfirman, Arizona State University, Tempe, AZ

CREATING AND IMPROVING PATHWAYS FOR STEM PROFESSIONALS TO ADVISE CONGRESS

Organized by Mike Miesen and Laura Manley, Harvard University, Cambridge, MA

DECONSTRUCTING CANCER CELLS FOR MORE EFFECTIVE TREATMENT

Organized by Matthew Midgley and Emily Mobley, Wellcome Sanger Institute, Cambridge, United Kingdom

DESIGNER MOLECULES: UNDERSTANDING AND UTILIZING THEIR QUANTUM NATURES

Organized by Jens Dilling, TRIUMF, Vancouver, Canada; Ronald Fernando Garcia Ruiz, Massachusetts Institute of Technology, Cambridge, MA

DEVELOPING RESILIENT FOOD SYSTEMS IN A DISASTER-PRONE WORLD

Organized by Nicole Arbour, International Institute for Applied Systems Analysis, Laxenburg, Austria

DIGITAL AND GREEN: INSTRUMENTS FOR DRIVING SOCIO-ECONOMIC RECOVERY

Organized by Vinny Pillay, South African Department of Science and Technology, Pretoria, South Africa

DYNAMICS IN URBAN ECOSYSTEMS AND ENVIRONMENTS: MULTI-DISCIPLINARY PERSPECTIVES

Organized by Qihao Weng, Indiana State University, Terre Haute, IN; Elizabeth A. Wentz, Arizona State University, Tempe, AZ

DYNAMICS OF TROPICAL FORESTS AND THEIR IMPACT ON THE CLIMATE

Organized by Frédéric Achard, European Commission Joint Research Centre, Ispra, Italy

EFFECTS OF SPACE TRAVEL ON THE HUMAN BODY

Organized by David Souza, UK Research and Innovation, Swindon, United Kingdom

EVALUATING THE PROMOTION AND PROTECTION OF THE U.S. BIOECONOMY

Organized by Mary Maxon, Lawrence Berkeley National Laboratory, Emeryville, CA; Jeff Furman, Boston University, MA

EVOLVING POLICY PRIORITIES IN INTERNATIONAL SCIENTIFIC PARTNERSHIPS

Organized by Amanda Vernon, American Academy of Arts and Sciences, Cambridge, MA

EXPLORING MARS: PAST, PRESENT, AND FUTURE

Organized by Matt Shindell, Smithsonian National Air & Space Museum, Washington, DC

EXPLORING TIPPING POINTS IN NATURAL AND SOCIAL SYSTEMS

Organized by Veera Mitzner, Future Earth, Boulder, CO

HOW THINKING ABOUT RELIGION CAN INCREASE RACIAL AND GENDER DIVERSITY IN SCIENCE

Organized by Bethany Boucher, Rice University, Houston, TX

HUMAN IMPACTS ON GLOBAL WILDLIFE AND THEIR HABITATS

Organized by David Souza, UK Research and Innovation, Swindon, United Kingdom

HUMAN NICHE CONSTRUCTION THEORY: A LENS TO ANALYZE ONGOING CLIMATE CHANGE

Organized by Cara Ocobock, University of Notre Dame, IN

INDIGENOUS KNOWLEDGE, SCIENCE, AND ETHICAL FRAMEWORKS FOR COLLABORATION

Organized by Curtis Baxter and Robert O'Malley, American Association for the Advancement of Science, Washington, DC

INEQUITIES IN THE CRIMINAL JUSTICE ECOSYSTEM: POLICING, MONETARY SANCTIONS, JAIL

Organized by William Alex Pridemore, State University of New York at Albany, NY

INSTITUTION, JOURNAL, REPORTER: STRATEGICALLY MITIGATING COVID-19 MISINFORMATION

Organized by Valeria Sabate, American Association for the Advancement of Science, Washington, DC

INSTITUTIONAL RESPONSES TO COVID: THE IMPACT ON UNDERGRADUATE STEM INSTRUCTION

Organized by Charles Henderson, Western Michigan University, Kalamazoo, MI; Michael Feder, American Association for the Advancement of Science, Washington, DC

INTERPRETING PUBLIC OPINION OF SCIENTISTS AND THEIR WORK

Organized by Cary Funk, Pew Research Center, Washington, DC

LANGUAGE DEVELOPMENT AND HEALTH: DEAF CHILDREN DURING QUARANTINE

Organized by Donna Jo Napoli, Swarthmore College, PA

MAPPING AND MODELING MICROBIOMES

Organized by Matthew Sullivan, The Ohio State University, Columbus, OH; Ruth Varner, University of New Hampshire, Durham, NH

MESSENGERS FROM THE COSMOS: RECEIVING GRAVITATIONAL WAVES, PARTICLES, AND LIGHT

Organized by Nancy Levenson, Space Telescope Science Institute, Baltimore, MD; Gabriela Gonzalez, Louisiana State University, Baton Rouge, LA

MICROBIOME AND GUT-BRAIN INTERACTIONS

Organized by Rosa Krajmalnik-Brown, Arizona State University, Tempe, AZ; Sarkis Mazmanian, California Institute of Technology, Pasadena, CA

MITIGATING THE IMPACT OF GLOBAL TICK-BORNE DISEASES

Organized by Timothy Sellati, Global Lyme Alliance, Stamford, CT; Susanna Visser, Centers for Disease Control, Fort Collins, CO

MONARCHS: PUBLIC RESPONSE SEEN THROUGH POLICY, MEDIA, AND CITIZEN SCIENCE

Organized by Bruce Lewenstein and Anurag Agrawal, Cornell University, Ithaca, NY

NEUROSCIENCE FOR ARCHITECTURE: EVIDENCE FOR A NEW BRAIN-BASED SCIENCE OF DESIGN

Organized by Thomas D. Albright, Salk Institute for Biological Studies, La Jolla, CA

OCEANIC RESPONSES TO THE CLIMATE: RECOGNIZING CHANGES AND EXTREMES

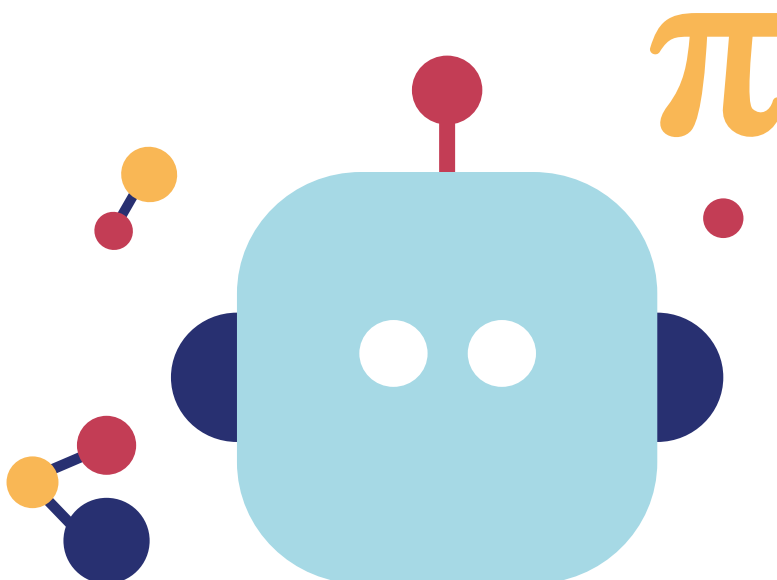
Organized by Lijing Cheng, Chinese Academy of Sciences, Beijing, China

OPEN SCIENCE: ISSUES AND CHALLENGES ACCELERATED BY COVID-19

Organized by Jerry Sheehan, National Institutes of Health, Bethesda, MD; Kazuhiro Hayashi, National Institute of Science and Technology Policy, Tokyo, Japan

OPPORTUNITY AT TIMES OF CHANGE: CATALYZING THE EVOLUTION OF GRADUATE EDUCATION

Organized by Barbara Natalizio, National Postdoctoral Association, Rockville, MD



PHOSPHORUS AND CLIMATE CHANGE: A VICIOUS CIRCLE

Organized by James Elser, University of Montana, Polson, MT; Matt Scholz, Arizona State University, Tempe, AZ

POLYGENIC RISK SCORES: USES AND MISUSES IN HEALTH, RESEARCH, AND SOCIETY

Organized by Sarah Tishkoff, University of Pennsylvania, Philadelphia, PA; Kyle Brothers, University of Louisville, KY

PURSUING ENVIRONMENTAL JUSTICE THROUGH SCIENCE AND RELIGION

Organized by Lilah Sloane-Barrett and Katy Hinman, American Association for the Advancement of Science, Washington, DC

REDUCING WASTE IN THE U.S. SEAFOOD SUPPLY CHAIN

Organized by Lekelia Jenkins, Arizona State University, Tempe, AZ; Dave Love, Johns Hopkins University, Baltimore, MD



RESEARCH AND INNOVATION: ENHANCING COLLABORATIONS BETWEEN ACADEMIA AND INDUSTRY

Organized by Lorne Whitehead and Michele Mossman, University of British Columbia, Vancouver, Canada

RESOLVING LGBTQ DISPARITIES IN STEM REPRESENTATION THROUGH DEMOGRAPHIC DATA

Organized by Rochelle Diamond, National Organization of Gay & Lesbian Scientists & Technical Professionals, Pasadena, CA

RESPONSE OF DIGITAL TECHNOLOGY TO COVID-19 AND CLIMATE CHANGE

Organized by Andrew Allen, The Royal Society, London, United Kingdom

SCALING LOCALIZED MANUFACTURING FOR SUSTAINABILITY AND RESILIENCE

Organized by K.C. Morris, National Institute of Standards and Technology, Gaithersburg, MD; Björn Johansson, Chalmers University of Technology, Gothenburg, Sweden

SCIENCE AND ENGINEERING FOR HUMANITARIAN GOALS

Organized by Lynnette D. Madsen, National Science Foundation, Alexandria, VA

STRENGTHENING COMMUNITIES AND SCIENTIFIC RESEARCH IN ADAPTING TO CLIMATE CHANGE

Organized by Pamela Doughman and Ben Wender, California Energy Commission, Sacramento, CA

STRENGTHENING SUSTAINABILITY PROGRAMS AND CURRICULA IN HIGHER EDUCATION

Organized by Lida Beninson and Emi Kameyama, National Academies of Sciences, Engineering, and Medicine, Washington, DC

THE COVID-19 INFOEMIC: COMBATTING MISINFORMATION DURING GLOBAL CRISES

Organized by Stefan Stieglitz, University of Duisburg-Essen, Duisburg, Germany

THE CRITICAL AND EVOLVING ROLE OF SCIENTIFIC ADVISORY COMMITTEES IN POLICYMAKING

Organized by Michael Fernandez and Erin Heath, American Association for the Advancement of Science, Washington, DC

THE DIGITALIZATION OF HEALTHCARE AND ITS EFFECTS ON ENGAGEMENT AND GOVERNANCE

Organized by Calvin Ho, University of Hong Kong, Hong Kong; Madeleine Murtagh, Newcastle University, Newcastle upon Tyne, United Kingdom

THE DYNAMIC PAST: HOW SCIENCE HELPS GIVE VOICE TO SILENCED STORIES

Organized by Robert O'Malley, American Association for the Advancement of Science, Washington, DC

THE FUTURE OF CITIES: GREEN BUILDINGS AND SUSTAINABLE INFRASTRUCTURE

Organized by David Souza, UK Research and Innovation, Swindon, United Kingdom

THE GUT MICROBIOME: IMPACT FROM EARLY LIFE ON HEALTH AND DISEASE

Organized by Samantha Wynne and Emily Mobley, Wellcome Sanger Institute, Cambridge, United Kingdom

THE IMPACTS OF MOBILE TECHNOLOGY AND REGULATION IN A PANDEMIC

Organized by Katina Michael, Arizona State University, Tempe, AZ; Roba Abbas, University of Wollongong, Australia

THE IMPORTANCE OF BIOLOGICAL COLLECTIONS IN THE FIGHT AGAINST COVID-19

Organized by Keegan Sawyer and Audrey Thevenon, National Academies of Sciences, Engineering, and Medicine, Washington, DC

THE INTERDEPENDENCE OF HUMAN HEALTH AND AQUATIC SOCIAL-ECOLOGICAL SYSTEMS

Organized by Kathryn Fiorella, Cornell University, Ithaca, NY

THE MATHEMATICS OF HOMEOSTASIS AND HEALTH

Organized by Michael Reed, Duke University, Durham, NC

THE PANDEMIC'S SOCIAL ECOSYSTEM: LEARNING NEW PATHS TOWARD KNOWLEDGE AND TRUST

Organized by Jonathan Coopersmith, Texas A&M University, College Station, TX; Lisa Onaga, Max Planck Institute for the History of Science, Berlin, Germany

THE QUANTUM ECOSYSTEM: INNOVATION

Organized by Charles Clark, Joint Quantum Institute, Gaithersburg, MD; Araceli Venegas-Gomez, QURECA, Glasgow, United Kingdom

THE ROLES OF STATISTICS AND DATA SCIENCE IN FIGHT AGAINST COVID-19

Organized by Lei Liu, Washington University in St. Louis, MO

THEY (AND WE) ARE WHAT WE EAT: LINKING DIET AND GUT MICROBIOME TO HUMAN HEALTH

Organized by Farida Mohamedshah, Institute of Food Technologists, Chicago, IL

TIME MATTERS: TRANSIENTS AND DYNAMICS IN THE MANAGEMENT OF ECOSYSTEMS

Organized by Alan Hastings, University of California, Davis, CA; Kim Cuddington, University of Waterloo, Canada

UNDERSTANDING AND ENABLING HUMAN TRAVEL TO THE MOON AND MARS

Organized by Leslie DeChurch, Northwestern University, Winter Park, FL

USING GENOMICS TO TRACK AND DEFEAT COVID-19, MALARIA, AND CHOLERA

Organized by Alison Cranage, Wellcome Sanger Institute, Cambridge, United Kingdom; Emily Mobley, Wellcome Sanger Institute, Cambridge, United Kingdom

USING TECHNOLOGY TO IMPROVE UNDERSTANDING OF CHANGES TO BIODIVERSITY

Organized by Jonas Brunschwig, swissnex Boston, Cambridge, MA; Tiffany Merz-Cheok, University of Zurich, Zurich, Switzerland

WORKSHOPS

Career Workshops

Opportunities to gain advice and strategies from experienced STEM professionals

COMMUNICATING FOR IMPACT: HOW TO SHARE RESEARCH THROUGH THE NEWS MEDIA

Organized by Diana Brazzell, Footnote, Washington, DC

ELEVATING SCIENCE IN A VIRTUAL, WORK-FROM-HOME ENVIRONMENT

Organized by Greg Kunkle, Pacific Northwest National Laboratory, Richland, WA

ENGAGING WITH INSTITUTIONS ABROAD THROUGH THE FULBRIGHT SPECIALIST PROGRAM

Organized by Amirah Nelson, World Learning, Washington, DC

FOSTERING CAREER DEVELOPMENT THROUGH RESEARCH LEARNING EXPERIENCES

Organized by Joan Ferrini-Mundy and Ali Abedi, University of Maine, Orono, ME

HOW TO BUILD AND MANAGE SCIENTIST NETWORKS

Organized by Robin Tim Weis, Office of Science and Technology Austria, Washington, DC

HOW TO CREATE AND DELIVER AN EFFECTIVE WEBINAR

Organized by Dennis Meredith, Independent, Fallbrook, CA

HOW TO CREATE COMPELLING RESEARCH TALKS USING ELEMENTS OF STORY

Organized by Holly Walter Kerby, Wisconsin Institute of Discovery, Madison, WI

INTERNATIONAL DOCTORAL NETWORKS AND RESEARCHERS' MOBILITY FOR EXCELLENT RESEARCH

Organized by Julie Lepretre, European Commission, Brussels, Belgium

JOURNALS, JOURNALS EVERYWHERE, BUT WE SHOULD STOP AND THINK

Organized by Roxanne Bogucka, University of Texas at Austin, TX

MIND THE GAP: BRIDGING THE EXPECTATION GAP BETWEEN RESEARCHERS AND EMPLOYERS

Organized by Mostafa Moonir Shawrav, Marie Curie Alumni Association, Vienna, Austria

MIND THE GAP: ENGAGING SCIENTISTS WITH K-12 EDUCATORS TO ADVANCE STEM EDUCATION

Organized by Kitchka Petrova, National Science Foundation, Alexandria, VA

PREPARING FOR SUSTAINABLE RESEARCH CAREERS INSIDE OR OUTSIDE OF ACADEMIA

Organized by Mostafa Moonir Shawrav and Gabor Kismihok, Marie Curie Alumni Association, Vienna, Austria

REIMAGINING MENTORSHIP VIA AN INTERDISCIPLINARY LEARNING COMMUNITY

Organized by Amanda Diekman, Indiana University, Bloomington, IN

SKILLS FOR RESILIENT RESEARCHERS

Organized by Julie Lepretre, European Commission, Brussels, Belgium

UNIQUE STRATEGIES FOR TEACHING AND LEARNING ABOUT SCIENCE AND TECHNOLOGY POLICY

Organized by Deborah Stine, Science, Technology, and Innovation Policy Analysis & Education, LLC, Pittsburgh, PA

WHAT STORY? THE POWER OF THE PODCAST FOR SCIENCE COMMUNICATION AND YOUR CAREER

Organized by Elaine Devine, Taylor & Francis, Abingdon, United Kingdom

WINNING UNDECIDED HEARTS & MINDS: COMMUNICATING WITH VALUES

Organized by Heather Conklin, Science Communication Journal Club, Oceanside, CA

YOU ARE A LEADER! NAVIGATE YOUR STEM CAREER JOURNEY THROUGH 360 DEGREE LEADERSHIP

Organized by Alaina Levine, Quantum Success Solutions, Tucson, AZ

Advocacy Workshops

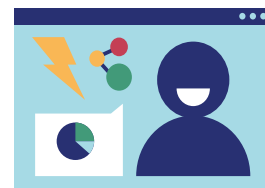
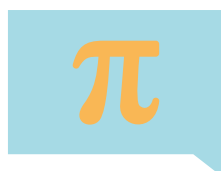
Explore ways of promoting science in your community

BRINGING SCIENCE TO LOCAL POLICY SOLUTIONS: THE LOCAL SCIENCE ENGAGEMENT NETWORK

Organized by Daniel Barry, American Association for the Advancement of Science, Washington, DC

CLIMATE CHANGE CONVERSATIONS: CREATING DIALOGUE ABOUT SOLUTIONS

Organized by Elana Kimbrell, American Association for the Advancement of Science, Washington, DC



COMMUNITY ENGAGEMENT AND OUTREACH FOR STEMM EDUCATORS

Organized by Theresa L. Harris, American Association for the Advancement of Science, Washington, DC

COMMUNITY ENGAGEMENT IN THE TIME OF COVID: SOLUTIONS FOR REMOTE STEM OUTREACH

Organized by Victoria Herrmann, The Arctic Institute, Washington, DC

CONTINUING EFFECTIVE COMMUNITY ENGAGEMENT IN TIMES OF COVID-19

Organized by Latasha Wright, BioBus, Bronx, NY

CREATING SCIENCE-POLICY CAPACITIES AND OPPORTUNITIES THROUGH FELLOW-SHIP PROGRAMS

Organized by Marcella Ohira, Inter-American Institute for Global Change Research, Montevideo, Uruguay

LEGISLATORS IN LAB COATS: HOW TO RUN FOR OFFICE AND CHANGE THE WORLD

Organized by Shaughnessy Naughton, 314 Action, Philadelphia, PA

PATHWAYS FOR EARLY CAREER SCIENTISTS CATALYZING POLICY CHANGE

Organized by Holly Mayton, National Science Policy Network, Virginia Beach, VA

PUT THE BOTTOM LINE UP FRONT TO IMPACT POLICY & IMPROVE YOUR COMMUNICATION

Organized by Jessica Soule, American Association for the Advancement of Science, Washington, DC

SCIENCE COMMUNICATION AS A TOOL FOR TRAINING THE NEXT GENERATION OF INFLUENCERS

Organized by Adriana Bankston, Journal of Science Policy and Governance, Washington, DC

SCIENCE COMMUNICATION ON-LINE PROGRAMME (SCOPE)

Organized by Michelle Paulsen, Northwestern University, Evanston, IL

SCIENTISTS AS CITIZENS: PATHWAYS FOR LOCAL GOVERNMENT ENGAGEMENT

Organized by Rebecca Mandt, Engineers and Scientists Acting Locally, Cambridge, MA

SUCCESSING AS A SCIENCE LEADER WORKING OUTSIDE ACADEMIA

Organized by Aaron Mertz, The Aspen Institute, New York, NY

Culture, Equity, & Inclusion Workshops

Discover strategies for creating inclusive networks

BUILDING YOUR PROFESSIONAL NETWORKS AS A WOC IN STEM

Organized by Ana Porras, Cornell University, Ithaca, NY

CAREERS IN STEM POLICY: OPPORTUNITIES FOR UNDERREPRESENTED MINORITIES

Organized by Brandy Huderson, National Science Foundation, Alexandria, VA

CONCEPTUALIZING STUDENT DIVERSITY IN THE CLASSROOM

Organized by Stanley Lo, University of California San Diego, La Jolla, CA

ETHICAL EVALUATION OF A/IS IMPACT ON HUMAN WELL-BEING USING IEEE 7010-2020

Organized by Alice Vo Edwards, The CEO Within LLC, North Las Vegas, NV

INCLUSIVE ONLINE TEACHING: TOWARD MORE IMPACTFUL AND ENGAGED LEARNING

Organized by Leyte Winfield, Spelman College, Atlanta, GA

LEVERAGING OUR PRIVILEGE TO ADDRESS SYSTEMIC BIASES

Organized by Maria-Denise Dearing, University of Utah, Salt Lake City, UT

MOVEMENT-BUILDING IN STEM IN THE MIDST OF THE BLACK LIVES MATTER MOVEMENT.

Organized by Jessica Esquivel, Fermilab, Batavia, IL

NAVIGATING THE TRAINEE-MENTOR RELATIONSHIP AS A STEM TRAINEE WITH A DISABILITY

Organized by Mahadeo Sukhai, Canadian National Institute for the Blind, Kingston, Canada

SCIENCE COMMUNICATION AND ENGAGEMENT WITH RELIGIOUS PUBLICS

Organized by Robert O' Malley, American Association for the Advancement of Science

SCIENCE-DANCE FOR INCLUSIVE COMMUNITY ENGAGEMENT, EDUCATION & SOCIAL CHANGE

Organized by Lewis Hou, Science Ceilidh, Edinburgh, United Kingdom

SOUNDING THE ALARM: ADDRESSING RACISM, COVID-19, AND MENTAL HEALTH IN SCIENCE

Organized by Kerrie Wilkins-Yel, University of Massachusetts Boston, MA

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The 2021 AAAS Annual Meeting will convene entirely online, February 8-11, with related prereleased materials available starting in late January.

Please see our website for the most up-to-date program information:

aas.org/meetings

Registration will be available in November!



Science

AAAS 2021 Annual Meeting Program

Science **370** (6515), 479-488.
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