

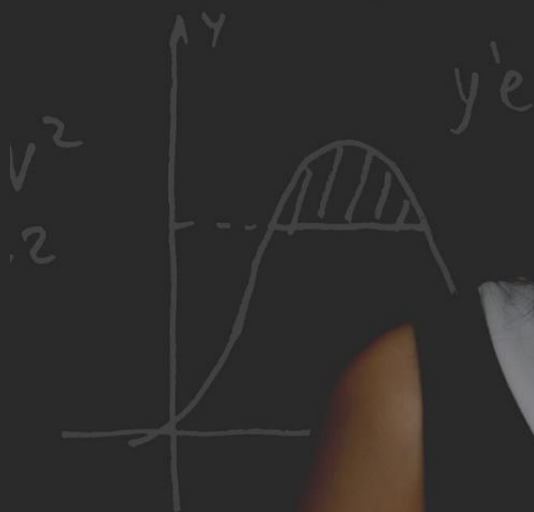
# PICTURE A SCIENTIST: REFLECTION, DISCUSSION, AND ACTION FOR WOMEN IN STEM

February 18, 2021 3:00 - 4:30p

## Agenda and List of Distinguished Moderators and Speakers

$$= \sqrt{\frac{2k}{k-1} V_i P_i \left[ 1 - \frac{P_2}{P_1} \right]^{\frac{k-1}{k}}}$$

$$W = 3600 \frac{1}{4} d^2 \cdot W_2$$



$$\frac{1}{n+1} \frac{d^n}{dx^n} =$$

$$= \frac{BC}{BA} = \sin \theta$$

$$= \frac{AC}{AB} = \cos \theta$$

$$= \frac{\sin \theta}{\cos \theta} = \tan \theta$$

$$x - y^2$$

$$\frac{\cos \theta}{\sin \theta} = \cot \theta$$

$$\frac{\cos \theta}{1 - \sin \theta}$$

$$\frac{\cos \theta}{1 - \sin \theta}$$



# Agenda

**3:00p**

**Keynote Speaker: Dr. Sarah Brady**

**3:15p**

**Breakout room discussions with guest moderators**

**3:45p**

**Sharing breakout room discussions**

**4:00p**

**UCR Agents of Change Panel**

# Keynote Speaker



## Dr. Sarah Brady

**Sarah Brady** is the Deputy Director of the California Council on Science and Technology (CCST) where she leads the Sacramento-based team in outreach and collaboration efforts to connect CCST's network of S&T experts with state policymakers. In support of the organization's mission to make California's policies stronger with science, she directs the CCST Science Fellows program, large-scale commissioned projects, expert briefings, and workshops requested by the Legislature and state agencies. While at CCST she has continued to strengthen existing science services and create new opportunities for engagement. Sarah is also a member of the CCST Science Fellows Alumni Steering Committee.

Prior to joining CCST, Sarah served as Legislative Director in Assembly member Susan Bonilla's office where she was hired after her placement as a CCST Science and Technology Policy Fellow in 2014. Sarah earned a Doctorate in Chemistry at the University of Oregon researching the degradation of plastics and Bachelor's degrees in Chemistry and French from North Central College. She was also a GK-12 Fellow and an NSF-IGERT Fellow where she worked at Hong Kong Baptist University.

# Guest Moderators



## Evelyn Valdez-Ward

Fifth year, formerly undocumented, PhD candidate, Ford Foundation Predoctoral and Switzer Foundation Fellow

**Evelyn Valdez-Ward** (she/ella) is a fifth year, formerly undocumented, PhD candidate, Ford Foundation Predoctoral and Switzer Foundation Fellow studying the effects of drought on plants and soil microbes. As a Research + Practice Collaboratory Fellow, her final dissertation chapters aim to study marginalized scientists and their use of science communication and policy for advocacy and social justice. She was named one of 2020's Grist 50 Fixers, a list of emerging leaders across the U.S. who are working on solutions to our world's biggest challenges. She has published articles in *Science*, *Scientific American*, and *PNAS*, was an invited speaker at the 2018 March for Science rally, named a 2018 UCS Science Defender, voted best of Story Collider 2018 in LA, awarded UCI's Dynamic Womxn's Award for Outstanding Social Justice Activist and the Svetlana Bershadsky Graduate Community Award for her advocacy for undocumented scientists. She was recently a 2020 AAAS Mass Media Fellow.

Additionally, she co-founded and co-directs Reclaiming STEM: the first workshop to address the need for science communication and policy training spaces for marginalized groups: BIPOC, first-generation, disabled, LGBTQIA+, undocumented, etc. Reclaiming STEM has been hosted four times since 2018, both virtually and in person, and has reached over 500 attendees internationally.



## Annabelle Lolinco

Co-chair of the Diversity, Equity, and Inclusion (DEI) Committee of the National Science Policy Network

**Annabelle Lolinco** (she/her) is a current co-chair of the Diversity, Equity, and Inclusion (DEI) Committee of the National Science Policy Network. In that capacity, she has worked with her peers in providing accessible learning opportunities about integrating DEI in science policy topics. With a passion for supporting and uplifting historically marginalized people and communities in STEM, Annabelle serves on a couple of advisory boards to improve graduate education in chemistry through the American Chemical Society.

As a graduate student in Iowa State University's Chemistry Department, she conducts research in the chemical education space, combining her interests in communication and chemistry, by implementing and evaluating practices meant to aid students in their scientific writing abilities and better connect chemistry to society via systems thinking.

# Guest Moderators



**Dr. Erika L.  
Bustamante**

Assistant Vice President of  
State Government Affairs,  
Stanford University

**Erika Bustamante** joined the Office of Government Affairs at Stanford University in 2014. Erika oversees the activities and relationships with state governmental bodies related to regulatory and legislative issues impacting Stanford's mission and operations.

Previous to joining Stanford, Erika worked as the Legislative Director for Assembly Member Luis Alejo in the California Legislature. Erika was also a 2012 California Science and Technology Policy Fellow with the California Council on Science and Technology. She spent her fellowship year in the State Legislature focused on issues related to education, social justice, immigration and health.

Erika holds a BS in Molecular, Cell and Developmental Biology from UCLA and a Ph.D. in Developmental Biology from Stanford University. During her graduate school years at Stanford, Erika was the first Co-President of the Biomedical Association for the Interest of Minority Students (BioAIMS). She helped establish the organization for the purpose of creating a supportive network for minority graduate students in the biosciences. Erika serves as a board member for the Latino Leadership Alliance, a non-profit with the mission of empowering and expanding the voice of Latino leadership and representation in the Bay Area.



**Dr. Julie  
Libarkin**

Member of the NASEM  
Advisory Board &  
Professor of  
Environmental Science at  
Michigan State University

**Julie Libarkin** (she/her) is a Professor of Environmental Science at Michigan State University where she runs the Geocognition Research Laboratory investigating how people perceive, understand, and make decisions about the planet and human impacts. She began her career studying geology and physics at the College of William and Mary, received a PhD in geosciences from the University of Arizona, and was awarded a National Science Foundation Postdoctoral Fellowship in Science, Mathematics, Engineering, and Technology Education.

Dr. Libarkin was a postdoctoral fellow and researcher at the Harvard-Smithsonian Center for Astrophysics and taught for three years as an Assistant Professor at Ohio University before her move to Michigan State. Dr. Libarkin has led the development of the Geoscience Concept Inventory; co-led a study of tectonic uplift in Bolivia; generated new collaborations across the geo-and social sciences to build understanding of ethics and mentoring across diverse groups; served as external evaluator or researcher for a dozen NSF, NASA, or NIH-funded projects. Currently, her research focuses on model-driven research design, community-engaged research, and mentoring to address access, inclusion, equity, and justice in STEM and academia. She also serves on the NASEM Advisory Board for the Action Collaborative on Preventing Sexual Harassment in Higher Education and is the developer of the Academic Sexual Misconduct Database.

# Guest Moderators



**Dr. Suveen  
Mathaudhu**

Chair of the Materials  
Science and Engineering  
Program at UC Riverside  
& Professor in the  
Mechanical Engineering  
Department

**Suveen Mathaudhu** (he/him/his) serves as the Chair of the Materials Science and Engineering Program at UC Riverside, and also a Professor in the Mechanical Engineering Department. He studies the underpinning mechanisms that will make metallic materials and composites lighter and stronger. He concurrently has a joint appointment as Chief Scientist at the Pacific Northwest National Laboratory in the Energy and Environment Directorate. He received his Ph.D. in Mechanical Engineering from Texas A&M University and subsequently served as an ORISE post-doctoral Fellow and then a Staff Scientist and Program Manager at the U.S. Army Research Laboratory and U.S. Army Research Laboratory, respectively. Mathaudhu is in the 2021 Class of TMS Brimacombe Medalists, a 2019 Presidential Early Career Award in Science and Engineering (PECASE) awardee, a 2016 NSF CAREER awardee, and received the 2014 Norm Augustine Award for Outstanding Achievement in Engineering Communications from the American Association of Engineering Societies.



**Dr. Kendrick  
Davis**

Associate Dean for  
Assessment & Evaluation  
and Vice Chair of  
Research, Psychiatry &  
Neuroscience at UCR

**Kendrick Davis** is Associate Dean for Assessment & Evaluation and Vice Chair of Research, Psychiatry & Neuroscience at UC Riverside's new School of Medicine (SOM). His knowledge and skills in program evaluation, measurement and instrumentation, and quantitative analyses compliment his passion for research training and provides progressive frameworks for professional development in healthcare research.

Over the past eight years he has led evaluation and assessment efforts across UME while developing knowledge and skills in research training and professional development for researchers in healthcare fields. Over the past 4 and a half years he has served as the PI/PD on a Health Resources and Services Administration (HRSA) research training grant. Most of his research involves the use of quantitative analyses to employ correlational analyses techniques spanning basic bivariate correlations, multiple regression, analysis of variance, and structural equation modeling. His research interests span program evaluation and validation studies on the measurement and evaluation suites which he designs and administers, and the efficacy of curriculum innovation, all within the context of medical education and residency.

# UCR Agents of Change



**Dr. Kathryn  
Uhrich**

Dean of the College of Natural and Agricultural Sciences & Professor of Chemistry at University of California, Riverside

**Kathryn Uhrich** received her BS degree from the University of North Dakota, PhD degree from Cornell University and then held post-doctoral positions at AT&T Bell Laboratories and Massachusetts Institute of Technology.

Dr. Uhrich began her academic career at Rutgers University with a research program centering on biodegradable and biocompatible polymers. Her research accomplishments have been disseminated in hundreds of publications, as well as tens of millions of dollars in grant funding, multiple industrial collaborations, hundreds of patents/filings, and several start-up companies.

Dr. Uhrich's innovative research in polymer chemistry and biomaterials has trained nearly 200 undergraduate, graduate and high school students as well as postdoctoral scientists in her lab. Dr. Uhrich also served as Dean of Mathematical and Physical Sciences at Rutgers, was inducted into the National Academy of Inventors. She is a Fellow of the American Chemical Society, the Chemical Release Society, and the National Academy of Inventors of the U. S. Patent and Trademark Office. She serves as editor-in-chief of the Journal of Bioactive and Compatible Polymers.



**Dr.  
Christopher  
Lynch**

BCOE Dean & Professor William R. Johnson Jr. Family Chair at University of California, Riverside

**Christopher Lynch** served on the faculty of the Woodruff School of Mechanical Engineering from September, 1995 through September 2007. He accepted the responsibilities as associate chair of administration of the Woodruff School in 2002, the largest Mechanical Engineering Program in the US. In 2007 he accepted a faculty position at UCLA and starting in 2008 as Director of the MS Engineering Online Program, built the UCLA online education program. He served as chair of Mechanical and Aerospace Engineering from 2016-2018. He became Dean of Engineering at UC Riverside in September 2018.

Prof. Lynch's research focuses on several areas related to ferroelectric materials including field coupled fracture mechanics, micro-electro-mechanics, and ferroelectric device development. Prof. Lynch's research program focuses on multi-field and multi-scale constitutive law development with finite element implementation in support of numerous sensing and actuation applications. Recent work on multiferroic coupling at the nanoscale has demonstrated the ability to switch magnetization using strain coupling between magnetic features deposited on ferroelectric single crystals. This led to the UCLA led TANMS NSF-NERC where Prof. Lynch serves as the thrust lead for the modeling team.

# UCR Agents of Change



**Dr. Deborah  
Deas**

M.D., M.P.H. Vice  
Chancellor for Health  
Sciences, the Mark and Pam  
Rubin Dean of the School of  
Medicine, & Professor of  
Psychiatry at the University  
of California Riverside

**Deborah Deas** serves on the Board of the California Institute for Regenerative Medicine. Since joining UCR, she led the opening of UCR Health which includes primary care and multispecialty clinical services, and under her leadership UCR School of Medicine has expanded its clinical affiliations, increased its National Institutes of Health (NIH) funding, and increased student, staff and faculty diversity. Most recently, UCR School of Medicine was awarded one of 13 National Institute on Minority Health and Health Disparities Center grants.

Dr. Deas is a fellow with the American College of Psychiatrists and the American College of Neuropsychopharmacology. She is a member of the Association of American Medical Colleges (AAMC) Council of Deans. She has been an active participant in the AAMC's Group on Diversity and Inclusion, Group on Educational Affairs, Group on Women in Medicine and Science and the Group on Student Affairs. Other affiliations include the American Academy of Child and Adolescent Psychiatry Ad Hoc Committee on Editorship and Publications, the American Psychiatric Association Council on Addiction, the American Academy of Child and Adolescent Psychiatry, the American Academy of Addiction Psychiatry, the National Medical Association, the American Psychiatric Association, the Research Society on Alcoholism, and the International Society for Biomedical Research on Alcoholism.

Her research interests include pharmacotherapy and psychosocial treatments for adolescents and adults with substance use disorders, attention deficit hyperactivity disorders (ADHD) and anxiety disorders. She has received NIH funding (R01) as well as industry funding for her research and published articles in several peer-reviewed journals.



**Dr. Jason  
Stajich**

Chair of the Riverside  
Division of the UC  
Academic Senate &  
Professor of Bioinformatics

**Jason Stajich** studies fungi and their evolution using comparative and population genomics. He is the current chair of the Riverside Division of the UC Academic Senate.

His research group sequences and analyzes genomes of fungi to resolve phylogenetic relationships and understand the evolution of fungal symbioses with plants, animals, and other microbes. This work includes broad sampling of genomes from across the kingdom, with an emphasis on resolving and exploring phylogenetic relationships of the zygomycete and chytrid fungi. The lab also uses population genomics to characterize genomic variability in pathogenic fungi such as *Aspergillus fumigatus*, amphibian disease causing *Batrachochytrium*, and *Candida* species. He also develops bioinformatics tools and pipelines to support automated approaches for phylogenomic methods and exploring comparative approaches to identify genes that mediate host-microbe interactions in a variety of plant- and animal-associated fungi. The research team is also exploring the function, diversity, and ecology of desert and dryland associated fungi found in both hot and cold deserts.



# UCR Agents of Change



**Dr. Ertem  
Tuncel**

Associate Dean of the  
Graduate Division &  
Professor of Electrical &  
Computer Engineering at  
UCR

**Ertem Tuncel** (he/his) was born and raised in Turkey. He received his B.S. degree in electrical and electronics engineering from the Middle East Technical University, Ankara, Turkey in 1995 and his M.S. degree in electrical and electronics engineering from Bilkent University, Ankara, Turkey in 1997. He then attended the graduate program in electrical and computer engineering at University of California, Santa Barbara, and received his Ph.D. degree in 2002. In 2003, he joined the Department of Electrical and Computer Engineering, University of California, Riverside, where he is now a Professor. His research is in the broad fields of information theory, signal processing, and communications.

Since April 2017, he has also been serving UCR as the Associate Dean of the Graduate Division. His primary responsibilities in this role are to ensure that graduate students are treated with respect, their rights are not violated, and graduate education bylaws and regulations of the campus are followed.



**Dr. Gloria Gonzales  
Rivera**

Associate Dean for the  
Social Sciences &  
Professor of Economics at  
University of California,  
Riverside

**Gloria Gonzalez-Rivera** is Professor of Economics at the University of California, Riverside and currently the Associate Dean for the Social Sciences within the College of Humanities and Social Sciences at UCR. She served as Chair of the Economics Department (2003-2008) and was elected President of the Board of the International Institute of Forecasters (2016-2020).

Professor Gonzalez-Rivera received her Ph.D. in Economics from the University of California, San Diego. Her research and publications focus on the development of econometric time series models and forecasting techniques with applications in financial and agricultural markets, volatility modelling and forecasting, and financial and macroeconomic risk management. She has also written an undergraduate textbook, *Forecasting for Economics and Business*. Professor Gonzalez-Rivera is a Fulbright Scholar, received the UCR University Scholar distinction, several teaching awards at UCSD, and was awarded an honorific Chair of Excellence by the Universidad Carlos III in Madrid, Spain.

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FEBRUARY 18, 2021 | 3 PM TO 4:30PM | ZOOM

Register [here!](#)

Film will be available for screening for 72 hours before event

## Keynote: Dr. Sarah Brady



## Guest Moderators



Dr. Kendrick Davis



Dr. Suveen Mathaudhu



Dr. Erika Bustamante



Dr. Julie Libarkin



Annabelle Lolincó



Evelyn Valdez-Ward

## UCR Agents of Change



Dr. Kathryn Uhrich



Dr. Deborah Deas



Dr. Gloria Gonzalez-Rivera



Dr. Jason Stajich



Dr. Chris Lynch



Dr. Ertem Tuncel