**JULY 14, 2020**

SPEAKER GUIDE



Noyce PI Summer
Block Party

# NOYCE PI SUMMER BLOCK PARTY
## NSF SPEAKER INFORMATION

**Kathleen Bergin**
**NSF Program Director**
**Noyce Program Lead**

Kathleen Bergin came to NSF after she retired from the Georgia Institute of Technology.  In addition to passions for equity and diversity in STEM education, Bergin has focused on the importance of changing how teachers/instructors and learners engage in the process of questioning.  She brings her expertise as a biologist by training and educator by passion to the Noyce team and is a strong advocate for STEM majors becoming teachers.

**Karen Keene**
**NSF Program Director**
**Noyce Program Co-Lead**

Karen A. Keene is from North Carolina State University, where she is an Associate Professor of Mathematics Education.  Her research areas are in the teaching and learning of differential equations through Inquiry-Oriented Differential Equations and supporting mathematics instructor change at the undergraduate level.  She was a high school teacher for 15 years.  She brings this teaching experience and her years preparing mathematics teachers at NC State to the Noyce program.

**Michael Ferrara**
**NSF Program Director**

Michael Ferrara served as a professor in the Department of Mathematical and Statistical Sciences at the University of Colorado Denver.  His research interests include understanding how outreach and peer teaching experiences impact undergraduate STEM majors and the mathematical and pedagogical preparation of K-12 teachers and graduate teaching assistants.  He brings experiences as an informal and classroom educator, a research mathematician, and a mentor to teachers and learners in a breadth of settings to his work at NSF.

**Jennifer Lewis**
**NSF Program Director**

Jennifer Lewis is from the University of South Florida, where she is a Professor and Graduate Director.  She also serves as the Director of the Center for the Improvement of Teaching and Research in Undergraduate STEM Education (CITRUS).  Lewis's research includes discipline-based educational research in the field of chemistry.  She brings her expertise as an experienced project evaluator to the Noyce Program.

**Robert Mayes**
**NSF Program Director**

Robert Mayes is a professor of mathematics education at Georgia Southern University. His research focuses on quantitative reasoning in STEM teaching and learning of mathematical modeling and problem solving in grades 6-12.

**Andrea Nixon**
**NSF Program Director**

Andrea L. Nixon is from Carleton College, where she is the Director of Educational Research.  Her research includes studies in undergraduate help seeking behaviors, as well as, educational technologies and curricular and research support for undergraduate students.  Nixon brings her extensive research experience in qualitative and mixed methods as they related to longitudinal and meta-analysis to the Noyce Program.
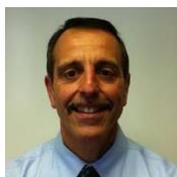
**Paige Evans**
**Associate Director of teachHOUSTON**
**University of Houston**

Paige Evans is the Associate Director and Clinical Professor for the *teach*HOUSTON program in the Department of Mathematics in the College of Natural Sciences and Mathematics at the University of Houston. Through this role, she teaches and oversees coursework in preservice STEM teacher education and prepares future secondary STEM teachers to obtain Texas Teacher Certification.

**Stephen Farenga**
**Professor of Science Education**
**City University of New York at Queens College**

Stephen Farenga's research, teaching, and writing interests encompass making science content accessible and comprehensible to the general public. His area of specialization integrates cognition and spatial reasoning in science, science knowledge acquisition, the development of STEM-related dispositions, and education policy.

**Sandy M. Philipose**
**Associate Professor of Education**
**Chair, Education Department**
**Austin College**

Sandy Philipose has been in education for over 20 years and is committed to empowering future educators to be advocates for all children. The work on the Noyce grant has allowed

her to work with a cross-campus, interdisciplinary team to prepare the next generation of STEM teacher leaders.

**Sharon Vestal**
**Associate Professor**
**South Dakota State University**

Sharon Vestal first applied for Noyce funding in 2007 and is now beginning her third Robert Noyce Scholarship grant to fund the Rural Enhancement of Mathematics And Science Teachers (REMAST) scholarship program. Since fall of 2008, REMAST has awarded $980,000 in scholarships and graduated 61 math and science teachers. The teaching retention rate of REMAST alumni is about 73%.

**Jack Butler**
**NSF Science Assistant**
**Panel Moderator**

John Butler is a Science Assistant in the Division of Undergraduate Education. He is a member of the outreach and communications teams for the Directorate of Education and Human Resources and provides data analysis for the Robert Noyce Teacher Fellowship, Improving Undergraduate STEM Education, and Future of Work at the Human-Technology Frontier Programs. Jack received his Bachelor of Science from Brown University with a dual concentration in Physics and Linguistics.

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## LESSONS LEARNED PANEL
### TRACK 4

**Douglas Larkin**
**Professor**
**Department of Teaching and Learning Montclair State University**

Douglas Larkin is a professor in the Department of Teaching and Learning at Montclair State University. His most recent book is *Teaching Science in Diverse Classrooms: Real Science for Real Students*, published by Routledge. He has served the U.S. Peace Corps in Kenya and Papua New Guinea and was a high school science teacher in Trenton, NJ.

**Gregory Rushton**
**Director, Tennessee STEM Education Center**
**Professor of Chemistry**
**Middle Tennessee State University**

Greg Rushton is currently the Director of the TN STEM Education Center at MTSU, where he leads the university's efforts to improve STEM education at all educational levels. He has been PI on three Track 4 projects since 2015, and currently studies science teacher leadership and retention in collaboration with researchers across the country.

**Jack Butler**
**NSF Science Assistant**
**Panel Moderator**

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