We hope you will join us in congratulating the second cohort of ADVANCE Interdisciplinary and Engaged Research Seed Grant awardees, which include PIs from 24 departments/academic units across campus. These one-year grants provide funding for projects that include the integration of two or more disciplines (interdisciplinary research) and/or projects that involve external partners and benefit the public good (engaged research). The seed grants are intended to support preliminary or exploratory projects that will contribute to future external grant applications, while providing women faculty with a vehicle by which they can establish partnerships for scholarly work. The projects and PIs for this year’s cohort of awardees are:

“Scaling of the Sediment Transport and Unsteady Aerodynamics of an Impinging Jet in Air and Water”
   Anya Jones Aerospace Engineering, ENGR
   Ken Kiger Mechanical Engineering, ENGR

“Children’s Real Time Processing of Words and Sounds”
   Naomi Feldman Linguistics, ARHU
   Rochelle Newman Hearing and Speech Sciences, BSOS

“Investigating Shared Neural Systems for Gesture and Language Comprehension”
   Elizabeth Redcay Psychology, BSOS
   Meredith Rowe Human Development and Quantitative Methodology, EDUC

“Insect and Robot Locomotion with Heavy Loads”
   Sarah Bergbreiter Mechanical Engineering, ENGR; Institute for Systems Research
   Barbara Thorne Entomology, CMNS
   Jeffrey Shultz Entomology, CMNS

“Speech Processing Algorithms for Elderly Listeners with Hearing Loss”
   Carol Espy-Wilson Electrical and Computer Engineering, ENGR
   Sandra Gordon-Salant Hearing and Speech Sciences, BSOS

“Toward Defining the Molecular Mechanism of ALS (Lou Gehrig’s Disease)”
   Eva Chin Kinesiology, SPHL
   Catherine Fenselau Chemistry and Biochemistry, CMNS
“Effects of Early Experience on Brain Networks Supporting Memory During Early Childhood”
Lea Dougherty Psychology, BSOS
Tracy Riggins Psychology, BSOS
Stacy Daughters Behavioral and Community Health, SPHL

“Transdisciplinary Approaches to Civic Engagement Around Local Climate Change: Communicating Risk and Resiliency on the Eastern Shore”
Victoria Chanse Plant Science, AGNR
Luis Diego Quiros Architecture, ARCH

“Multiscale Characterization of Virus Adsorption onto Fomites”
Krista Wigginton Civil Engineering, ENGR
Silvina Matysiak Bioengineering, ENGR

“Your Brain on Dance”
Karen Kohn Bradley Theatre, Dance, and Performance Studies, ARHU
Jose L. Contreras-Vidal Electrical and Computer Engineering, University of Houston

“Exploring Socioeconomic Differences in Children’s Syntactic Development Through Real-Time Processing”
Yi Ting Huang Hearing and Speech, BSOS
Meredith Rowe Human Development and Quantitative Methodology EDUC

“Maryland Well Water Program to Achieve Testing, Education and Research (WATER)”
Amy Sapkota Applied Environmental Health, SPHL
Elisabeth Frost Maring Family Science, SPHL UM Extension
Karen Aspinwall Family and Consumer Sciences, AGNR UM Extension
Daphne Pee Mid-Atlantic Water Quality Program, AGNR UM Extension

“Macroeconomic Implications of Creditor Coordination, Information Transparency, and Financial Distress at the Micro Level”
Rebecca Hann Accounting, BMGT
Hanna Lee Accounting, BMGT
Horacio Sapriza Economist, Federal Reserve Board

Natasha Cabrera Human Development and Quantitative Methodology, EDUC
Sangeetha Madhavan African American Studies, BSOS

“Influence of Employment Status and Leave Duration on Risk of Postpartum Depression and use of Mental Health Counseling”
Rada Dagher Health Services Administration, SPHL
Sandra Hofferth Family Science, SPHL; Director, MD Population Research Center

The ADVANCE Program for Inclusive Excellence is funded by a grant from the National Science Foundation in partnership with the University of Maryland, College Park.