

**Amy Allen**, Professor of Philosophy and Women's, Gender, and Sexuality Studies in the College of the Liberal Arts

Amy is being honored for her work and expertise in critical social theory, feminist theory and the philosophy of history.

The author of many seminal books in her field, Amy engages in relevant matters of social identity and difference, social inequality, and social change. She is known for her ability to bring together philosophical rigor and conceptual clarity with a focus on pressing social and political challenges and an unwavering ethical commitment to justice and improving the human condition.

**Joshua Robinson**, Professor of Materials Science and Engineering in the College of Earth and Mineral Sciences

Joshua is being honored for his exceptional research into two- and three-dimensional materials and for pioneering the synthesis and characterization of 2D materials such as graphene.

Since coming to Penn State in 2012, Joshua has founded major programs aimed at creating and applying graphene and transitional metals, leading to a new family of 2D semiconductors and polar metals with remarkable properties. These new materials sparked the creation of the Penn State NSF-MRSEC Center for Nanoscale Science.

**Manuel Llinás**, Professor of Biochemistry and Molecular Biology and Chemistry in the Eberly College of Science

Manuel is being honored for his long and accomplished record of malaria research that has led to major improvements in global health. Though continuous pioneering and innovating, he has become a highly effective and respected leader in the field.

At Penn State's Center for Infectious Disease Dynamics, Manuel is leading research into all stages of the parasite's life cycle. His tool for understanding and combating the parasite involves several disciplines, including genomics, molecular biology, metabolomics, mathematical modeling, ecology and evolution.

**Chad Hanna**, Associate Professor of Physics and Astronomy and Astrophysics in the Eberly College of Science

Chad is being honored for his growing leadership in the field of gravitational wave physics and his involvement in LIGO: The Laser-interferometry Gravitational Wave Observatory Scientific Collaboration.

LIGO is responsible for numerous discoveries — particularly related to black holes — and has benefited immensely from Chad's expertise. At LIGO, he developed data analysis pipelines responsible for crucial discoveries such as the gravitational waves generated by the merger of binary black holes and binary neutron stars. The team responsible for this discovery received the 2017 Nobel Prize in Physics.

**Pamela Cole**, Liberal Arts Professor of Psychology and Human Development and Family Studies in the College of the Liberal Arts

Pamela is being honored for her innovative leading-edge, multi-method and interdisciplinary approaches to research that advances our understanding of emotional development among children.

Her work cites a child's ability to regulate emotion to predict good or bad developmental outcomes. Pamela's longtime research in emotional regulation among young children and its implications for school readiness and psychopathology continue to shape her field and have had a tremendous impact among countless scholars in developmental psychology.

**John Mauro**, Professor of Materials Science and Engineering in the College of Earth and Mineral Sciences

John is being honored for his prolific work as an inventor who advances glass science while creating materials that better our lives and have widespread societal impact.

His career, which began at Corning before he came to Penn State in 2017, involves 56 patents, 20 more pending, including several iterations of Corning's Gorilla Glass. The highly optical and impact resistant material has been used in more than 3 billion personal electronic devices worldwide.