WASIF ISLAM, Cybersecurity Research Scientist,
Peraton Labs
Wasif Islam is a Cybersecurity Research Scientist at Peraton Labs. Wasif works with high-throughput, low-latency network detection solutions contracted by DARPA (Defense Advanced Research Project Agency). He finished his bachelor's degree at Purdue in aeronautics and astronautics and continues to do his masters in electrical and computer engineering. Wasif's research area right now is in developing advanced network drivers related to enabling receive side scaling with DPDK.

SHALINI LOW-NAM, Ph.D., Assistant Professor,
Chemistry & Physics
Dr. Shalini Low-Nam is an Assistant Professor of Chemistry and Physics. Her research is in cellular biophysics, with an emphasis on quantitative fluorescence imaging. Her group is focused on measuring spatial and temporal mechanisms of cellular decision-making with single molecule and single cell resolution. They address questions related to the physical mechanisms that drive tumor evolution and corresponding immune responses and strive to generate actionable insights to promote targeted, cell-based cancer therapeutics that take advantage of the potent activities of small numbers of activating events. Providing an interdisciplinary skillset to her trainees and students motivates her. She enjoys the academic environment for its diversity, innovation and discovery, and, especially, the spirit of curiosity and collegiality.

TARA SAUNDERS, Ph.D., Production Editor,
Purdue University Press
Dr. Tara Saunders is a Production Editor with Purdue University Press. She has particular responsibility for the Press’s collection of subscription and open access journals, including JPUR: The Journal of Purdue Undergraduate Research. She holds a Ph.D. in US History from Indiana University, and her research interests include the social and cultural history of twentieth-century America, as well as the history of business and work, the history of gender and sexuality, and the history of material culture and everyday life.
The Research Pitch Competition planning committee thanks:
Purdue SOGA Grant for funding for this event
Bruno’s Pizza & Big O’s Sports Room for prizes
HuHot Mongolian Grill for prizes
Monster Mini-Golf for prizes
University Book Store for prizes

**STUDENT PARTICIPANTS**

**Aniya Edwards,** College of Engineering  
"Humidity: A Key Factor in the Properties of Recycled Textile Reinforced Mortars"

**Sam King,** College of Pharmacy  
"BAF170 in Neuroendocrine Prostate Cancer"

**James Rooney,** College of Pharmacy  
"The Role of Methylation in the Protective Activity of Hsp31"

**Carl Russell III,** College of Engineering  
"The Analyte Might Be Hard to Detect, But We’re Going to Stick to It: Biosensor Development"

**Yufan Zhou,** College of Science  
"Hamiltonian Viewpoint for Chemical Kinetics"

**SPONSORS**

Undergraduate Research Conference  
**April 10-14**  
In-person events 4/11 & 4/13

Celebrate Purdue’s Thinkers, Creators,  
& Experimenters  
**April 18** (11-3)  
Purdue Union

**AUDIENCE FAVORITE**

Following the presentations, you will select your favorite pitch and they will receive the $100 audience favorite award.