



Alabama State University
Boston University
Bryn Mawr College
New Jersey Institute of Technology
University of Pennsylvania
University of Texas at Austin
Washington University in St. Louis

End of Summer REU Symposium

Thursday, August 4, 2022, 10:00 am – 12:00 pm (CST)

In Person: Whitaker Hall, Room 100

or Virtual: [Zoom Link](#) (Meeting ID 972 7690 6842)

10:00 am - 10:15 – Welcoming Remarks

Guy Genin, PhD, CEMB Co-Director and

Patricia Widder, CEMB Education Program Coordinator and Senior Lecturer in Biomedical Engineering

10:15 am - 10:30 am – Melanie Roberts, St. Olaf College

Jessica Wagenseil Lab

“Limited Effect of In Vivo Pressure, Axial Stretch, and Viscosity in Mass Transport of Murine Ascending Aorta”

10:35 am - 10:50 am – Ari Rapalino, Washington University in St. Louis

Nathaniel Huebsch Lab

“Cell Stretcher for Studying the Effects of Mechanical Stress on Cardiomyocytes”

10:55 am - 11:10 am – Kenny Nguyen, Louisiana State University

Amit Pathak Lab

“Role of Extracellular Matrix Proteins on Collective Cell Migration”

11:10 - 11:20 – Break

11:20 am - 11:35 am – Kenadie Doty, Buena Vista University

Marcus Foston Lab

“Ultraviolet Initiated Crosslinking in TEMPO and Benzophenone Cellulose Nanocrystal Based Films”

11:40 am - 11:55 am – Siena Smith, University of Michigan - Dearborn

Gretchen Meyer Lab

“Follistatin is Required for Mass Maintenance But Not Force Recovery Following Muscle Stimulation”

12:00 - 12:15 – Closing Remarks

Guy Genin, PhD, CEMB Co-Director

Patricia Widder, CEMB Education Program Coordinator

Lunch and beverages will be available afterwards in Brauer Hall, 2nd Floor Lounge.

Snacks and beverages will be available during the symposium on the table outside of Whitaker 100 in the Whitaker Hall atrium.