



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 5, 2021, 10:00 am – 12:30 pm (CST)

In Person: Whitaker Hall, Room 100 **or Virtual:** [Zoom Link](#) (Meeting ID 933 5573 8212)

Watch on YouTube: <https://www.youtube.com/watch?v=m6t1MX0XmoA>

10:00-10:15 – 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 – Julia Behlmann, University of Tulsa

Elizabeth Haswell Lab

MS Ion Channel OSCA2A is Required for Normal Drought Response in Moss

[Abstract](#) | [Poster](#)

10:35 am -10:50 am – Annika Avula, Centre College

Ram Dixit Lab

Developing Plant “Tissue-on-a-Chip” Technology to Study Mechanical Forces in Plant Cells

[Abstract](#) | [Poster](#)

10:55 am - 11:10 am – Abdulaziz Said, Washington University in St. Louis

Amit Pathak Lab

Hypoxia Enhances Spreading and Migration of Cancerous Breast Epithelial Cells

[Abstract](#) | [Poster](#)

11:10-11:20 – Break

11:20 am - 11:35 am – Osmar Torres Benavides, University of Texas at El Paso

Guy Genin/Ram Dixit Labs

Organ-level root skewing of the Arabidopsis thaliana right-handed mutant, spr1-3, switches handedness in response to increased shear force

[Abstract](#) | [Poster](#)

11:40 am - 11:55 am – Miranda Copenhaver, Washington University in St. Louis

Marcus Foston Lab

UV Activation May Offer More Precise Control of Mechanical Properties of Cellulose Nanocomposites via Benzophenone Crosslinking

[Abstract](#) | [Poster](#)

12:00 pm - 12:15 pm – Sorina Munteanu, University of California – Merced

Guy Genin Lab

The Role of Actomyosin Contractility in the Dynamics of Microtubule-Based Fibroblast Protrusion

[Abstract](#) | [Poster](#)

Continued ->



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

12:15-12:30 – Closing Remarks

Guy Genin, PhD, CEMB Co-Director and Patricia Widder, CEMB Education Program Coordinator and Senior Lecturer in Biomedical Engineering