

MAY 2022

BIOCHEMISTRY NEWS



CONGRATULATIONS TO...

Clint Chapple, Distinguished Professor, was elected into the National Academy of Sciences! NAS membership recognizes achievement in original research and is widely regarded as one of the highest honors in science and technology. NAS cited Dr. Chapple's study of lignin and its applicability to pulp and paper production, animal feedstocks, and biofuels. Learn more about his career at <https://purdue.ag/3w7ksUA>

Six Biochemistry students received Martin Agriculture Research Scholarships for 2022-2023.

The Martin Ag Research Scholarship is the College's most prestigious undergraduate research award for our students who demonstrate high academic performance, quality research contributions, and a desire for continued learning about research in agriculture. Please join us in congratulating: **Grace Estep** (Jen Wisecaver), **Joshua Kaluf** (Joe Ogas), **Noelle Naughton** (Mark Hall), **Krishna Patel** (Scott Briggs), **Jenna Schoonmaker** (Theresa Casey), **Shelby Sliger** (Joe Ogas) on this outstanding accomplishment.

Eight Biochemistry Undergraduate students were chosen to participate in SCARF. (Formerly known as MASI). SCARF is a summer program that is open to Purdue College of Agriculture undergraduate students and is a paid 11-week program where students experience in-depth, hands-on research, participate in a series of science communication workshops, and attend faculty seminars and industry tours. Please join us in congratulating: **Joshua Kaluf** (Joe Ogas), **Mario Perez-Ahuatl** (Humaira Gowher), **Cameron Matthews** (Patrick Rich), **Payne Turney** (Scott Briggs), **Ryan DeBernardis** (Vikki Weake), **Shelby Sliger** (Joe Ogas), **Olivia Bradford** (Joe Ogas), **Stefanie Neufeld** (Vikki Weake) on this outstanding accomplishment.

Dr. Pan Liao (Dudareva lab) received the CPB 2021 Best Year Publication Award for his paper "Cuticle thickness affects dynamics of volatile emission from petunia flowers" (Liao et al., Nature Chem. Biol., 17:138-145).

DEPARTMENT AWARDS...

Congratulations to our department award recipients! In April the department gathered in person for the annual awards ceremony. Click the link below to see all the awards and winners.

[Biochemistry Awards 2022.](#)

GOING THE EXTRA MILE...

Natalia Dudareva gave a virtual keynote lecture entitled "Plant volatile emission: Beyond the traditional view" at the "Plant MetaboPeople" meeting on April 26-27, 2022, Tel-Hai College, Agamon Hula, Israel.

Natalia Dudareva traveled to Baltimore on April 24-27 to serve on the BARD's Technical Advisory Committee.

UNDERGRAD NEWS...

Addison Hill, Alli Horton, Grace Estep, Joshua Kaluf, and Shelby Sliger have been selected as College of Agriculture Ambassadors for 2022.

As Ambassadors for the College of Ag, they will....

Abigail Sipes (Chapple lab) placed 1st for her research talk, "Coupling Metabolic Source Isotopic Pair Labeling and Genome-Wide Association for Metabolite and Gene Annotation in Plants" at the spring undergraduate research conference held at Purdue.

Alyssa Easton (Hana Hall lab) placed 2nd for her virtual poster titled "The role of R-loop homeostasis in aging and neurodegeneration".

Sara York placed 3rd for her virtual poster "A Tri-Pronged Analysis of Phage Maby2021 for Identification of Novel Mechanisms for Anti-Cancer Therapies".

SAFETY CORNER...

GRANTS...

Marco Hadisurya received \$37,247 from a Bioinformatics Research Assistant Award for his proposal titled "A novel R machine learning package for proteomics data enables renal cell carcinoma subtype classification."

RECENT PUBLICATIONS...

IMPORTANT DATES...

May 30 Memorial Day-no classes