

FEBRUARY 2023 BIOCHEMISTRY NEWS



CONGRATULATIONS TO...

Dr. Elizabeth Tran, Professor, Biochemistry, was named a Fellow of the American Association for the Advancement of Sciences (AAAS). Dr. Tran is being honored for distinguished contributions to the field of molecular and cellular gene regulation. Read the full article [here](#).

Dr. Jen Wisecaver, Associate Professor, Biochemistry was named a 2023 University Faculty Scholar. This award recognizes outstanding faculty at Purdue who are on an accelerated path to scholarly distinction.

Dr. Scott Briggs, Associate Professor, Biochemistry, and **Dr. Mark Hall** (Co-PI) Associate Professor, Biochemistry, who are AgSeed Recipients for their project, Innovative tools for fungal pathogens to address drug resistance, pathogens and drug discovery.

GOING THE EXTRA MILE...

Dr. Natalia Dudareva traveled to the Gordon Research Conference on “Plant Lipids: Structure, Metabolism and Function. Using Basic Plant Lipid Sciences to Drive Functional Changes for Human Benefit”, in Galveston, TX. From January 29-February 3. She also gave a talk entitled: “Terpenoid Biosynthesis in Plants: Beyond the Traditional View”.

GRANTS...

Andy Mesecar received \$439065 from Northwestern University for his proposal “Centers for Research on structural Biology of Infectious Diseases”.

Andy Mesecar received \$75950 supplement from Northwestern University for his proposal “Centers for Research on Structural Biology of Infectious Diseases”.

Vikki Weake received \$373,827 from Phs-Nih National Eye Institute for her proposal “Chromatin connects metabolism to circadian gene regulation in the aging eye”.

RECENT PUBLICATIONS...

Liao, P., I. Maoz, M.L. Shih, J. H. Lee, X.Q. Huang, J. A. Morgan, **N. Dudareva**. 2023. Emission of floral volatiles is facilitated by cell-wall non-specific lipid transfer proteins. *Nature Communications*. **14**(1):330

Wu, X., A.B. Iliuk, **W. A. Tao**. 2023. Translational proteomics and phosphoproteomics: Tissue to extracellular vesicles. *Advances in clinical chemistry*. 112:119-153.

Feng, X., A. Iliuk, X. Zhang, S. Jia, A. Shen, W. Zhang, L. Hu, **W.A. Tao**. 2023. Supramolecular exosome Array for Efficient Capture and In Situ Detection of Protein Biomarkers. *Analytical Chemistry*. **95**(5):2812-2821.

IMPORTANT DATES...

Please join us for the Department of Biochemistry Seminar Series. All seminars will begin at 3:30 pm, in WSLR 116, unless otherwise noted.

March 7- Dr. Jessica Fortin, Purdue University, Department of Basic Medical Sciences

March 13-18 No classes, Spring Vacation

March 21- Dr. Jens Rister, UMass Boston, College of Science and Mathematics

March 28- Dr. Syed Hussain, University of New Mexico, Department of Biology

April 4- Dr. Athena Davenport, University of Tennessee, Center for Sickle Cell Disease

**April 11-12- Dr. Jerry Workman, Stowers Institute

**Axelrod Lecture