



September 2017 Issue

PUBLICATIONS

Powers, B.L. and **M.C. Hall**. 2017. Re-examining the role of Cdc14 phosphatase in reversal of Cdk phosphorylation during mitotic exit. *J. Cell Sci.* **130**: 2673-2681.

Stegeman, R. and **V.M. Weake**. 2017. Transcriptional signatures of aging. *J. Mol. Biol.* **429**: 2427-2437.

Hsu, C.-C., J.V. Arrington, L. Xue and **W.A. Tao**. 2017. Identification of plant kinase substrates based on kinase assay-linked phosphoproteomics. *Kinase Signaling Networks, Methods in Molecular Biology*, vol. 1636 (A.-C. Tan and P.H. Huang, Eds.). Springer Science+Business Media LLC, Chapter 21, pp. 327-335.

AWARDS & RECOGNITION

Humaira Gowher received an award from the National Science Foundation for a proposal entitled "Role of divergent lncRNAs in transcriptional priming and enhancer-mediated activation of nearby genes. The total amount for the three years is \$667,000. The project period is 08/15/2017 – 07/31/2020.

Brian Dilkes was featured in the August 7 issue of Agriculture News in an article entitled "Study tests the complexity of important plant hormones". To read the full article click on the link.

<http://www.purdue.edu/newsroom/releases/2017/Q3/study-tests-the-complexity-of-important-plant-hormones.html>

Barbara Golden has been selected as a fellow for the Big Ten Academic Alliance's Academic Leadership Program. The Big Ten Academic Alliance-ALP is designed to develop the leadership and managerial skills of faculty who have demonstrated exceptional ability and administrative promise. It is specifically oriented to the challenges of academic administration of major research universities and to the preparation of faculty members to meet those challenges.

Howard Zalkin (Professor Emeritus) was recognized as a 50-year member of the American Society of Biochemistry and Molecular Biology (ASBMB) in the June/July 2017 issue of *ASBMB Today*.

NEW FACES

2017 Incoming Graduate Students



Front row, left to right: Sherlene Brown, Jiaxin Long, Smriti Hoda and Kirsten Westerhouse
Back row, left to right: Bob Auber, Melaku Garsamo, Trevor Boram and Juan Jauregui

2017 incoming Biochemistry Undergraduates



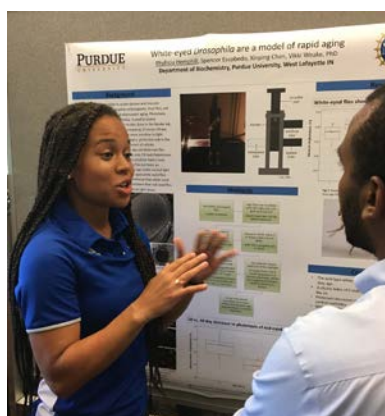
DEPARTMENT NEWS



The department held its annual research retreat on Friday, August 18. The invited speaker was Dr. Jean Chmielewski, Alice Watson Kramer Distinguished Professor of Chemistry at Purdue University.



Everyone enjoyed a break during the annual research retreat at The Trails Banquet Hall. Here people are enjoying a round of “corn hole” and the beautiful weather.



Eight students participated in the NSF-funded Research Experience for Undergraduates (REU) program from May 22 - July 28. The 10-week program provides advanced training in the manipulation and analysis of proteins. It facilitates deep understanding of experimental laboratory research, insights into protein biochemistry and contemplation of the broader context of research.

Pictured is Phyllicia Hemphill from Tennessee State University presenting her research at the poster session held on July 28th. Phyllicia worked in the lab of Vikki Weake.

Alumni News

Jenna Rickus, professor and associate department head of Agricultural and Biological Engineering and professor in the Weldon School of Biomedical Engineering, has been named associate vice provost for teaching and learning, effective August 14. Rickus is a biological engineer with expertise in biofunctional materials and biosensors. Dr. Rickus is an alumna of Purdue (BS ABE '95, BS BCHM '95) and has spent time in industry as an engineer before receiving her PhD in neuroscience and neuroengineering at UCLA.

Saying Goodbye



Jie (Jack) Li left the department on August 26 after working in Xiaoqi Liu's lab for 5 years. Jack will be returning to Tokyo, Japan with his family and will be seeking employment. We wish him and his family the best in their new venture.

Pictured from left to right: Miki Li (wife), Elina (2 year old daughter), Xiaoqi Liu, Jack Li and Kento (6 month old son).

GRADUATE STUDENT NEWS



Congratulations to Chuan-Chih Hsu (Tao lab) for passing his defense on August 17.



Congratulations to Nina Serratore (Briggs lab) for passing her defense on August 10.

UNDERGRADUATE STUDENT NEWS

Congratulations to Abby Gress for receiving the 2017 Summer Undergraduate Research Fellowships (SURF) Top Research Poster Award of Excellence at the SURF research symposium.

GOING THE EXTRA MILE

Humaira Gowher was an invited speaker at the Gordon Research Conference on epigenetics at the Holderness School in Plymouth, New Hampshire on July 30 – August 4. Humaira's talk was entitled "Biological outcome of the catalytic specialization of DNA methyltransferases".

IT CORNER

By Joe Levell

This is a friendly reminder to back up your data before something disastrous happens. There are various methods you can employ to back up your data. I suggest you follow the system below.

The best way to back up your data properly is to use the 3-2-1 rule.

- Keep 3 copies of anything you care about.
- Keep the files on at least 2 different media types. Examples: external hard drive, networked hard drive or share, cd/dvd, flash drive.
- 1 copy should be stored off-site on one of the above media types and kept in a safe location.

It's up to you how often you do this. I suggest that you do this weekly at the end of the week. Your computer or laptop does not count as a media type. It should not be used to satisfy the 3-2-1 rule in any way.

STRICTLY PERSONAL



Candy Mao (Chapple lab), Chris Petell (Gowher lab), and Fabiola Muro-Villanueva (Chapple lab) watch the eclipse on Monday, August 21.

SEPTEMBER BIRTHDAYS

Steve Broyles

Colin Carlock

K.K. Ho

Sherry Honn

Xiaoqi Liu Carrie Honn

Allison Norvil

Victor Rodwell

Rachel Stegeman

Andy Tao

Jinghui Liu

UPCOMING EVENTS

September Events

September 4 – Labor Day (NO CLASSES, UNIVERSITY CLOSED)

Biochemistry Speaker Seminars - (Tuesdays at 3:30 – 4:30 p.m. in Whistler Hall, Rm. 116 unless stated)

September 5 – **Dr. Humaira Gowher**, Purdue University, Biochemistry

September 12 – **Dr. Gyeong Mee Yoon**, Purdue University, Botany and Plant Pathology

September 19 – **Dr. Leonor Boavida**, Purdue University, Botany and Plant Pathology

September 26 – **Dr. Brendan Cormack**, Johns Hopkins University, Molecular Biology and Genetics

Biochemistry Graduate/Postdoc Seminars - (Fridays at 12:30 – 1:30 p.m. in Whistler Hall, Rm. 116 unless stated) (light lunch begins at 12:15 p.m.)

September 8 – **Erin Sorlien** (Ogas lab) & **Rachel Stegeman** (Weake lab)

September 29 – **Emma Lendy** (Mesecar lab) & **Kyle Mohler** (Chapple lab)