



January 2017 Issue

PUBLICATIONS

Pan, L., H. A. Aguilar, L. Wang, A. Iliuk and **W.A. Tao**. 2016. Three-dimensionally functionalized reverse phase glycoprotein array for cancer biomarker discovery and validation. *J. Am. Chem. Soc.* **138**: 15311 – 15314.

AWARDS & RECOGNITION

Scott Briggs received an award from Purdue University for his project entitled, “SET Domain-Containing Epigenetic Factors in Antifungal Drug Resistance and Hypoxia” in the amount of \$30,000. The project period for the award is 12/01/2016 - 06/30/2018.

Jeremy Lohman received an award from the Purdue Center for Cancer Research for his project entitled, “Biosynthetic Engineering Improved Anti-Metastatic Analogs of Isomigrastatin” in the amount of \$30,000. The project period is 10/10/2016 – 10/31/2017.

Barb Golden received an award from Purdue University for her project entitled, “Using novel ribozyme activities to engineer proteins” for \$30,000. The project period for the award is 12/01/2016 – 05/31/2017.

Andy Tao was featured in an article in *Genetic Engineering & Biotechnology News* entitled “Novel technique detects proteins found to be cancer biomarkers”. To read the full article, click on the link. <http://www.genengnews.com/gen-news-highlights/novel-technique-detects-proteins-found-to-be-cancer-biomarkers/81253441>. Andy was also featured in an article written for *AZONano Journal* regarding the same research entitled “Nanopolymer-altered protein array can detect cancer”. To read the full article, click on the link. <http://www.azonano.com/news.aspx?newsID=35216>

DEPARTMENT NEWS

Humaira Gowher gave a seminar for the Purdue Cancer Research Center Seminar Series on December 14. Her seminar was entitled “Biological outcomes of the catalytic specialization of DNA methyltransferases”.

Staff Recognition/Holiday Party

On December 9 Biochemistry held its annual Staff Recognition/Holiday party. This year’s theme was mustaches. As always there was no shortage of good food, laughter, games (trivia and pin the mustache on the professor) along with great prizes. The department recognized one staff member - K.K. Ho (Ogas lab) – 15 years, and 3 faculty members for their years of service, Harry Charbonneau, Sandy Rossie both with 25 years and Xiaoqi Liu – 10 years. Thank you all for your long-term service at Purdue.



Pictured above are members of the organizing committee from left to right: Fabiola Muro-Villanueva (Chapple lab), Bethany Manning (Lohman lab), Candy Mao (Chapple lab), Samantha Lee (Golden lab) and Kim Muldoon (Main office).



Pictured above are graduate students, Rachel Stegeman (Weake lab) and committee member Erin Sorlien, 'pinning the mustache' on the faculty member (Vikki Weake, Andy Mesecar and Joe Ogas).

We would like to thank the following vendors and individuals for their generous gifts to help make this year's party a success.

Eiteljorg Museum
Beef & Boards
B & N Dinner
Homewood Suites
Civic Theatre of Greater Lafayette
Hilton Garden Inn West Lafayette
Long Center of Performing Arts

Beef House
Fair Oaks
Wolf Park
Scotty's Brewhouse
Arrowhead Bowl
University Bookstore
Sherry Pogranichniy

December Graduates Ph.D. Graduates



Benjamin Carter
Next Stop: Seeking a postdoc position.



Yueping Zhang
Next Stop: Seeking a postdoc position in the United States and China.



Aamir Mir

Next Stop: Aamir has accepted a postdoc position in the laboratory of Dr. Erik Sontheimer at the University of Massachusetts Medical School in Worcester, MA.

B.S. Graduate



Cole Wunderlich

Next Stop: Applying to PhD programs for Computational Biology

GOING THE EXTRA MILE

Natalia Dudareva traveled to the Swammerdam Institute for Life Sciences, University of Amsterdam, Amsterdam, The Netherlands to give a seminar on November 18 and the Institute for Vegetable and Ornamental Crops, Großbeeren, Germany to give a seminar entitled "Floral Volatiles: Will Flowers Smell Again?" on November 25. Natalia also traveled to the German Centre for Integrative Biodiversity Research (iDiv), Halle-Jena-Leipzig, Germany to give a seminar on December 9.

SAFETY CORNER

By Karyn Rodkey

Please use the phone numbers listed below if an event should arise.

MAJOR FLOOD

Water is flowing from a broken pipe that cannot be shutoff.

CALL PUPD non-emergency number

48221

BODILY FLUIDS

Blood, feces, vomit, etc.

CALL Emergency Custodial Services

47107

STRICTLY PERSONAL



Congratulations to Brianna (Business Office) and Jake (Store Room) Hatfield on the birth of their daughter, Isabelle (Izzy) Deanne Hatfield, on December 7. Isabelle weighed 7 lbs., 8 oz. and was 18 1/2 inches long.



Congratulations to Orla Hart and husband Jody Peacock on the birth of their daughter Nessa Hart Peacock on December 17. Baby, mom and dad are all doing well.

BIRTHDAYS

Mark Hermodson

John Morgan

Chris Petell

Brendan Powers

Karyn Rodkey

UPCOMING EVENTS

January 9 – First day of classes

January 16 – Martin Luther King Jr. Day (University Holiday)

January 2017 Biochemistry Speaker Seminars

(Tuesdays at 3:30 – 4:30 p.m. in Whistler Hall, Rm. 116)

January 17 – **Dr. Basil Nikolau**, Iowa State University, Roy J. Carver Dept. of Biochemistry, Biophysics and Molecular Biology, "Metabolic diversity: How to characterize and efficiently (predictively) harness it, to engineer solutions to societally-determined challenges".

January 24 – **Dr. Danzhou Yang**, Purdue, Medicinal Chemistry and Molecular Pharmacology, "Structure and Function of DNA G-quadruplexes and Its Potential as Anticancer Drug Target".

January 31 – **Dr. David Bentley**, Univ. of Colorado, Molecular Biology, "Coordination of Transcription with mRNA Processing in Space and Time".

January 2017 Biochemistry Graduate and Postdoc Seminars

(Every other Friday at 12:30 – 1:30 p.m. in Whistler Hall, Rm. 116)

January 13 – Karen Lai (Tran lab) & Lama Alabdi (Gowher lab)

January 27 – Chris Petell (Gowher lab) & Chen Shao (Liu lab)