

BIOCHEMISTRY POSTDOCTORAL RESEARCHER AND STUDENT ASSOCIATION

HAPPY MARCH!

“It was one of those March days when the sun shines hot and the wind blows cold: when it is summer in the light, and winter in the shade.”

- Charles Dickens, Great Expectations

Hope everyone is enjoying this great weather! As always, If you have any comments or concerns, please fill out our anonymous Google form.

- Lily & Kevin (BPSA Communications Committee)



MARCH NEWSLETTER

Department Events

- 01 Mar, 12-1 p.m., 206 PRB, Arthur Laganowsky, Texas A&M University, “Native mass spectrometry of membrane protein-lipid complexes”.
- 21 Mar, 4 p.m. 208 LH, Vanderbilt Prize in Biomedical Science Lecture, Frances Ashcroft, FRS, FMedSci, DBE. Metabolic Regulation of Insulin Secretion in Health and Disease.

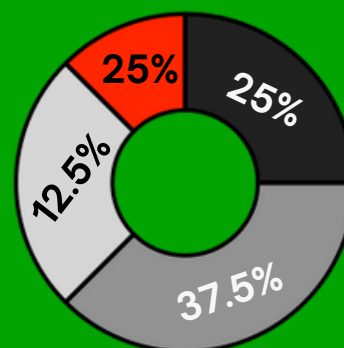
Congrats to...

- Subu Subramanian (Kuriyan Lab), Adaptive capacity of a DNA polymerase clamp-loader ATPase complex. Molecular Biology and Evolution.
- Yasuhiro Tateishi (Guengerich Lab), Proteomics, modeling, and fluorescence assays delineate cytochrome b5 residues involved in binding and stimulation of cytochrome P450 17A1 17,20-lyase. Journal of Biological Chemistry.
- Yasuhiro Tateishi, Kevin McCarty, Martha Martin (Guengerich Lab). Oxygen-18 Labeling Defines a Ferric Peroxide (Compound 0) Mechanism in the Oxidative Deformylation of Aldehydes by Cytochrome P450 2B4. ACS Catalysis.

CHEERS!

Faculty Trivia Result!

Andrew's favorite winter activity is:



- Skiing
- Snowboarding
- Ice skating
- Ice fishing



News

- **Colloquium (214 LH at 12:00 p.m.):**
 - 08 Mar: Kateryna Nabukhotna (Lacy lab).
 - 22 Mar: Oyku Sensoy (Merrikh lab).
- **Dissertation defense:**
 - 07 Mar, 1:15 p.m. 208 LH, Jessica Collins (Osheroff Lab), “Type II Topoisomerases: Repurposing Old Enzymes for New Drugs”
- **BRET Office of Career Development ASPIRE Program:**
 - 01 Mar, Ph.D. Career Stories: Patent Law
 - 06 Mar, Ph.D. Career Stories: Scientific Advising
 - Tuesdays 11:30 a.m. - 12:30 p.m., 340 LH, CV/Resume Drop-In Clinic
- **DEI Journal Club**, 12 Mar, 3-4 p.m., 618 LH, “Show Don’t Tell: Diversity Dishonesty Harms Racial/Ethnic Minorities at Work” led by Louis Otero (Folkmann lab)
- **APEX lectures:**
 - 04 Mar, 4:15 p.m., 1220 MRB III, Xuewu Zhang, UT Southwestern Medical Center, “Structures of the Innate Immunity Adaptor STING: From Mechanisms to Potential Therapeutics”
 - 07 Mar, 12-1 p.m., 208 LH, Robert Tampé, Goethe University Frankfurt, Professor of Biochemistry at the Biocenter, Director of the Institute of Biochemistry: “From Antigens to Defense: Cellular Machineries in Quality Control and Adaptive Immunity”

Check this out

- 01-03 Mar, Season Opening Weekend at The Adventure Park at Nashville
- 01 Mar 5-7 p.m., Community Beer Release @ Tennfold Brewery Nashville
- 14-17 Mar, Music City Irish Fest!
- 30 Mar, Kick off the spring season at the Nashville Zoo’s annual Eggstravaganzoo event.

Trainee of the month Kevin McCarty



- **What year are you?** 3rd year
- **Whose lab are you in?** Guengerich lab
- **What do you like best about the biochemistry department?** I would say the sense of community in the department, which (in my opinion) comes from the ability to frequently interact/engage with members through regular events and seminars.
- **What advice do you have for other students?** For my project in particular, patience has been a key virtue. There was significant effort invested in optimizing and troubleshooting analytical methods (for product analysis) that, at a couple points, did not seem feasible. But, with some patience and firm resolve we refined an analytical method that gave sensitive and reproducible results and that ultimately yielded a nice paper.
- **What's your favorite experiment to run?** Single-turnover or rapid kinetic reactions using a Rapid Quench Flow apparatus. The machine itself is fun to use, and the data (showing early timecourses of product formation) are always interesting to interpret.
- **What's your favorite place to go or favorite thing to do in Nashville?** I like to go hiking at Percy Warner park (and various State parks, too)!