

Duy (Zoey) Hua, PhD, received her B.A. from Ohio Wesleyan University in 2011 and Ph.D. from Purdue University in 2016. During her time at Purdue, under the guidance of Prof. Carol Post, Duy worked on understanding a unique allosteric mechanism through phosphorylation that regulates the binding activity of the Syk tandem SH2 protein and published two first-author papers. In the fall of 2016, she joined the Chemistry and Biochemistry department at Oberlin College for a two-year appointment as a Visiting Assistant Professor to teach General Chemistry and Bioorganic Chemistry courses. Duy is currently a Postdoctoral Scholar in the Kossiakoff lab at the University of Chicago, learning protein engineering and phage-display technology. This fall, Duy will begin her **tenure-track assistant professorship** in the Chemistry and Biochemistry department at Elmhurst College, continuing to impart her knowledge, mentor the next generations, and encourage her students to pursue careers in science.



Uma Aryal, PhD, obtained his B.S. in Forestry and Environmental Sciences from Chittagong University of Bangladesh and completed his Ph.D. in Agriculture from Kyushu University of Japan. During his doctoral research, he applied mass spectrometry-based quantitative proteomic technologies to elucidate biodegradation pathways of carcinogenic



aromatic pollutants by the white-rot fungus. Following his doctorate, Uma was a Visiting Researcher at the National Research Council of Canada doing proteomic research, then moved to Pacific Northwest National Laboratory (PNNL), a Department of Energy national lab in Washington where he worked on multiple projects aimed at developing marine microbes for biofuel/renewable energy production. At Purdue, his research centers on characterizing protein complexes and protein-protein interactions in cells under various cellular stresses. As the **Purdue Proteomics Facility director**, Uma continues to develop and apply proteomics tools to support research on campus. Uma would be happy to share his international experiences, long journey to Purdue, career lessons from his working experiences both at the national labs and universities.

Alle Barnard VanWye, MS, is a molecular biologist in oncology at **Eli Lilly**. She completed her MS in biochemical and molecular nutrition at Purdue University in 2014 with a thesis focused on lipid alterations during breast cancer metastasis. She then advanced through a few small biotech companies for three years before settling at Eli Lilly in Indianapolis. Her research at Lilly has spanned from immunotherapy target validation to robotics implementation to small molecule mechanism of action studies and resulted in her data being used in presentations to the FDA as well as several publications. She has honed skills in high content imaging/microscopy, cell line engineering, and is currently delving into the CRISPR space.



Cedric D'Hue, PhD, graduated from Tufts University in Boston, MA with a BS in chemistry. He worked at a generic pharmaceutical company as a dissolution chemist, then as an analytical chemist before moving to Indiana to pursue a MS in analytical chemistry at IUPUI. Cedric then transitioned to patent law after realizing it would allow him to stay connected to the scientific world while also leading an exciting and active career out of the lab. Cedric obtained his JD from the IU McKinney School of Law where he wrote and published a note on conducting fraud at the USPTO by using the past term to describe experiments that were never conducted. He spent four years at a large Indiana law firm learning the basics of patent preparation and prosecution. A family relocation to West Lafayette provided Cedric the opportunity to obtain his Ph.D. in analytical chemistry at Purdue (R. Graham Cooks, advisor). His projects focused on using ambient ionization mass spectrometry to differentiate cancerous and normal tissue in different organs. Cedric now has his own patent law firm in West Lafayette, D'Hue Law, LLC, where he works as an **intellectual property lawyer**.



Patricia Wiley, PhD, received her B.S. in Forensic Chemistry from Western Illinois University in 2009 followed by her Ph.D. in Chemistry (Biochemistry Division) from Purdue University. She completed a postdoctoral fellowship at the National Cancer Institute (NCI). Her research has focused on examining molecular interactions that lead to disease. Dr. Wiley's doctoral work in the lab of Dr. Christine Hrycyna, combined yeast genetics and biochemical studies to characterize two genes, *LMNA* and *ZMPSTE24*. Mutations in these genes can result in aging diseases that range in severity, but the mechanisms that lead to disease remain unknown. Her work at NCI in Dr. Beverly Mock's lab, transitioned into mammalian cell biology where she investigated tumor susceptibility mechanisms in mTOR signaling events. Currently, Dr. Wiley is leveraging her technical expertise as an **AAAS Science and Technology Policy Fellow** at the National Institute of Biomedical Imaging and Bioengineering in the Office of Science Policy and Communications. Her responsibilities range from science writing, developing new policy, legislative affairs, and government reporting.

