

Attachment 3:

Teaching Faculty

(1) Sabrina Diano, Columbia University, Yale University



Dr. Sabrina Diano is the Robert R. Williams Professor of Nutrition, Director of the Institute of Human Nutrition. She is also an adjunct Professor at Yale University, department of Cellular and Molecular Physiology.

She earned Doctor of Biology and PhD degrees at University of Naples. Dr. Diano moved to Yale University from Italy in 1994 and received her PhD in Physiology in 1999 from the University of Naples. She became faculty at Yale University in 2000, where she moved up the ranks. In September 2020, she moved to Columbia University Irving Medical Center to direct the Institute of Human Nutrition.

Her studies on fundamental principles of metabolism regulation has been nationally and internationally recognized. She has been most recently featured in the Women in Metabolism 2015 series: The “Rosies” of Cell Metabolism, the 10th year anniversary celebrations of Cell Metabolism. Furthermore, in 2015 she was awarded the Novo Nordisk Foundation Laurate Award (that she declined). She was the recipient of the Helmholtz Diabetes Award 2018, from the Helmholtz Society (Germany) for her studies on central control of glucose metabolism. Dr. Diano’s research focuses on brain mechanisms regulating energy and glucose homeostasis. Her studies on nutrient sensing by the brain aim to identify inter- and intra-cellular mechanisms that enable brain cells to regulate energy and glucose metabolism and how derangements of these mechanisms induce the development of metabolic disorders. Her studies have been published in high impact journals, including Nature, Science, Cell, Nature Medicine, Nature Neuroscience, Cell Metabolism, Diabetes, JCI, and PNAS.

(2) Sofia-Iris Bibli, Heidelberg University



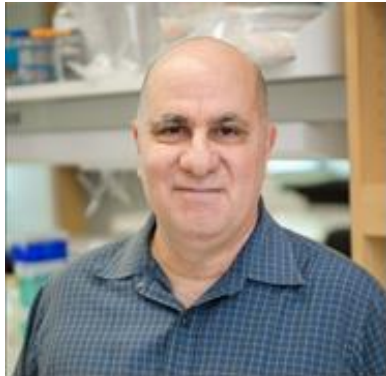
Professor Iris Bibli currently serves as the Director of the Department of Vascular Dysfunction at Heidelberg University and as the Chief Scientist of the European Center for Anigoscience (ECAS). Her research primarily focuses on the metabolic regulation in vascular regeneration. She and her team utilize multi-omics approaches to study metabolism regulation in the control of vascular function, gene regulation, and epigenetics. She has published nearly 60 SCI-indexed peer reviewed articles in high-impact journals including Nature, Circulation, Circulation Research, and Journal of Clinical Investigation.

(3) Andreas Papapetropoulos, National and Kapodistrian University of Athens



Professor Andreas Papapetropoulos is the head of the Department of Pharmacology at the University of Athens School of Pharmacy and serves as the Chief Scientist at the Academy of Biomedical Sciences in Athens. He currently chairs the European Federation for Experimental Pharmacology (EPHAR). His research mainly focuses on gas transmitters, particularly nitric oxide (NO) and hydrogen sulfide (H₂S), and their roles in metabolism, physiological functions, and the development of cardiovascular and metabolic disorders, with over 200 SCI-indexed articles published in high-impact journals such as Nature, Circulation, and Journal of Experimental Medicine.

(4) Benjamin Ohlstein, Children's Medical Center Research Institute at UT Southwestern



Ben Ohlstein received his bachelor's degree in liberal arts from the University of Texas at Austin in 1989 and his M.D. and Ph.D. degrees from UT Southwestern Medical Center in 2002. He completed a postdoctoral fellowship at the Carnegie Institution in Baltimore, Maryland, in Allan C. Spradling's laboratory in 2007. During his time in the Spradling laboratory, he demonstrated that the adult *Drosophila* midgut, like the adult human intestine, is maintained by multipotent stem cells and that the notch signaling pathway plays a crucial role in how stem cells give rise to enterocytes and enteroendocrine cells.

After his postdoctoral studies, Dr. Ohlstein joined Columbia University Medical Center where he was an Associate Professor of Genetics and Development and a member of the Columbia Stem Cell Initiative. He is a Howard Hughes Medical Institute Faculty Scholar. In 2020, Dr. Ohlstein joined Children's Medical Center Research Institute at UT Southwestern as an Associate Professor in Pediatrics.

The Ohlstein laboratory is working to better understand the mechanisms that guide normal and abnormal tissue functions, particularly in gastrointestinal organs such as the small and large intestines and stomach, using the *Drosophila* intestine as a model. Ultimately, a better understanding of the biology of the *Drosophila* intestinal stem cells will help with diagnosis, treatment, and cures of various conditions that affect the human gastrointestinal tract.

(5) Wei Song, Wuhan University



Dr. Wei Roc Song is a Professor at Wuhan University, holding appointments at the Frontier Science Center for Immunology and Metabolism, Zhongnan Hospital Medical Research Institute, and the TaiKang Center for Life and Medical Sciences. He received his PhD in 2010 from the Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences. Following that, he pursued postdoctoral research in the lab of Dr. Norbert Perrimon at HHMI/Harvard Medical School from 2011. Dr. Song started his independent lab at Wuhan University in 2019. His research mainly focuses on the molecular regulation of interorgan communication and immunometabolism homeostasis. He is particularly dedicated to uncovering the mechanisms underlying cancer cachexia and other wasting diseases. Dr. Song's scientific findings have been published in academic journals, including *Nature*, *Immunity*, *Cell Metabolism*, and *Developmental Cell*. He is the recipient of the Wu Rui Scholarship and prestigious fellowships from HHMI, American Diabetes Association, and Harvard Blavatnik Biomedical Accelerator. His current research has been supported by the grants from the National Natural Science Foundation of China and the Ministry of Science and Technology.

(6) Zongzhao Zhai, Hunan Normal University



After completing his PhD with Ingrid Lohmann in MPI for Developmental Biology (Tübingen) and University of Heidelberg in Germany (working on HOX transcription

factors and *Drosophila* tumor models), Zongzhao joined the lab of Bruno Lemaitre (an expert in innate immunity) in EPFL (Lausanne, Switzerland) in 2012 as a postdoc. His postdoc research focused on the intestinal homeostasis using *Drosophila* as model and has characterized mechanisms of stem cell differentiation and infection-induced epithelial cell shedding. Then he returned to China and set up his own group in 2018. During the last 5 years, Zongzhao have extended his research to much broader aspects of adult physiology and behaviors, still maintaining a focus on infection and immunity. The past and current research of Zhai Lab receives support from the Maria Curie Intra-European Fellowship, the Young Thousand Talents Program, and grants from NSFC and Hunan Province.