



Chuan He, Ph.D.  
John T. Wilson Distinguished Service Professor  
University of Chicago

Chuan He, Ph.D. is the current John T. Wilson Distinguished Professor at the University of Chicago and an Investigator at the Howard Hughes Medical Institute (HHMI) since 2014. Dr. He received his B.S. in 1994 from the University of Science and Technology of China (USTC) and Ph.D. from Massachusetts Institute of Technology in 2000. After two years as a Postdoctoral Fellow at Harvard University (2000-2002) Dr. He moved to the University of Chicago first as an Assistant Professor (2002-2008), then Associate Professor (2008-2010) before becoming Professor in 2010.

#### Education and Past Positions

University of Science and Technology of China (USTC), B.S., 1994  
Massachusetts Institute of Technology, Ph.D., 2000  
Harvard University, Postdoctoral Fellow, 2000-2002  
University of Chicago, Assistant Professor 2002-2008, Associate Professor 2008-2010, Professor 2010-  
Director, Institute for Biophysical Dynamics, 2012-2017  
Investigator, Howard Hughes Medical Institute (HHMI), 2014-  
John T. Wilson Distinguished Service Professor, 2014-

#### Faculty Accolades

Arthur L. Kelly Faculty Prize for Exceptional Service in the Physical Sciences Division, University of Chicago 2020  
ACS Chemical Biology Lectureship 2019  
Paul Marks Prize in Cancer Research 2017  
American Association for the Advancement of Science (AAAS) Fellow 2015  
Arthur C. Cope Scholar Award 2015  
Mr. and Mrs. Sun Chan Memorial Award in Organic Chemistry 2012  
American Chemical Society Akron Section Award 2010  
Society of Biological Inorganic Chemistry Early Career Award 2010  
Burroughs Wellcome Fund Investigator in the Pathogenesis of Infectious Disease Award 2008  
CACPA Distinguished Junior Faculty Award 2007  
Camille Dreyfus Teacher-Scholar Award 2006  
CAREER Award from the National Science Foundation 2005  
Cottrell Scholar by the Research Corporation 2005  
Arnold and Mabel Beckman Foundation Young Investigator 2005  
Alfred P. Sloan Research Fellowship 2005



Marc Bissonnette, M.D.  
Associate Professor  
University of Chicago

Marc Bissonnette is an Associate Professor in the Department of Medicine, Section of Gastroenterology at the University of Chicago. He is a member of the University of Chicago Comprehensive Cancer Center and Committee on Molecular Metabolism and Nutrition as well as a member of the External Advisory Committee for the Human Resource Center. Dr. Bissonnette received his BS degree in Physics from Purdue University and MD from the University of Chicago. After serving three years on active duty in the United States Navy, he completed a residency in Internal Medicine and GI fellowship at the University of Pennsylvania and 3-year postdoctoral fellowship at the National Institutes of Health in Digestive Diseases.

Dr. Bissonnette is both a practicing clinical gastroenterologist and clinical-translational researcher. Dr. Bissonnette's research interests include epigenetic regulation in pancreatic cancer, and growth factor signals and diet in colonic carcinogenesis and chemoprevention and the role of stroma in tumorigenesis.

Dr. Bissonnette is a member of the American Gastroenterological Society with over 120 publications. He serves as an ad hoc reviewer for the NCI Chemoprevention Study Section and as a peer reviewer for several scientific Journals, including Proceedings of the National Academy of Sciences USA, Journal of Biological Chemistry, Oncogene, Cancer Research, Carcinogenesis, Nutrition and Cancer, Neoplasia, Gastroenterology, Journal of Clinical Investigation, American Journal of Physiology-Gastroenterology and American Journal of Physiology-Cell Biology.



Kay F. Macleod, Ph.D.  
Associate Professor  
The University of Chicago

Dr. Macleod is a graduate of the University of Edinburgh, Scotland (B.Sc. Hons) and obtained her Ph.D from the Beatson Institute for Cancer Research at the University of Glasgow, Scotland. Following post-doctoral fellowships at the Pasteur Institute, France (with Dominique Stehelin) and at the MIT Center for Cancer Research, Cambridge, MA (with Tyler Jacks), Dr. Macleod set up her own independent research laboratory at the University of Chicago in 2002. Promoted with tenure in 2009, Dr. Macleod currently also directs the NCI-funded T32 “Multi-disciplinary Training Program in Cancer Research” and is a co-Leader of the Molecular Mechanisms of Cancer (MMC) program at the University of Chicago Comprehensive Cancer Center (UCCCC). At a national level, Dr. Macleod is a past-President of CABTRAC (2019) and a current member of NCI’s Subcommittee F.

Research in the Macleod is focused on understanding the role of mitophagy and mitochondrial dysfunction in cancer. Specifically, our work has identified the BNIP3 mitochondrial cargo receptor as tumor suppressive and lost during the progression of pancreatic ductal adenocarcinoma (PDAC). Conversely, the BNIP3-related protein, NIX (BNIP3L) appears to be required for PDAC tumor growth and progression to metastasis. Ongoing work is focused on understanding how these two mitophagy receptors function so differently in PDAC. Related work in the Macleod lab using autochthonous mouse models of PDAC has shown a critical role for BNIP3 in muscle atrophy during cancer cachexia linked to PDAC. Work is ongoing using PROTAC approaches to target BNIP3 in muscle to prevent muscle wasting and cachexia with the goal of improving patients’ responses to therapy and extending overall survival.