

Zemin Yao, PhD

Dr Yao is Professor of Department of Biochemistry, Microbiology and Immunology, Faculty of Medicine, University of Ottawa. He obtained his BSc in Biology at East China Normal University (Shanghai, China), MSc and PhD in Biochemistry at University of British Columbia (Vancouver, Canada). After his PDF training at the Gladstone Institute of Cardiovascular Disease (UCSF), Dr Yao was appointed as Assistant Professor at Department of Biochemistry, University of Alberta. Subsequently, Dr Yao joined University of Ottawa Heart Institute, and acted as Chairman of the Department of Biochemistry, Microbiology and Immunology, Faculty of Medicine, University of Ottawa from 2002 through 2013. Dr Yao is renowned for his research activities centered on lipid and lipoprotein metabolism, mainly on lipid and protein factors that regulate, intracellularly, the assembly and secretion of triglyceride-rich VLDL. He has systematically analyzed structural domains within apoB100 and apoC3 that are essential for triglyceride recruitment during VLDL assembly and secretion. He has also investigated the involvement of LRP1, calcium-independent phospholipase, hepatic lipase, lipin1, omega-3 fatty acids, and various small GTPases in different aspects of lipid and lipoprotein metabolism in the liver. Currently, Dr Yao is a visiting professor of Shanghai University of Traditional Chinese Medicine and Guangzhou University of Chinese Medicine, and a Co-Funder and President of Motigenix.