SESSION LECTURE

No. 46

Cell Metabolism and Metabolic Diseases

Room: 301AB

Co-Chairs: Bao-Liang Song

Arun Radhakrishnan

Day 3 October 29th (Monday) 8:30 – 11:45		
Time	**Speaker**	**Title**
8:30-9:00	**Stephen Young** *University of Califonia, Los Angeles, USA*	New insights into intravascular processing of triglyceride-rich lipoproteins
9:00-9:30	**Rui-Ping Xiao** *Peking University, China*	Role of Myokine MG53 in Cardiometabolic Disease
9:30-10:00	**Arun Radhakrishnan** *UT Southwestern Medical School, USA*	How do proteins sense cholesterol levels in cells?
10:00-10:15	**Tea Break**	
10:15-10:45	**Bao-Liang Song** *Wuhan University, China*	LIMA1/SREBP3 regulates LDL-C and intestinal cholesterol absorption in humans
10:45-11:15	**Tobias Walther** *Harvard University, USA*	The Phase of Fat: Mechanisms and Physiology of Lipid Storage
11:15-11:45	**Shi-Min Zhao** *Fudan University, China*	Roles of Deregulated Amino Acids Signals in Human Diseases

Bao-Liang Song

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Prof. Song received his B.S. degree from Nanjing University, China in 1997. After he was awarded the Ph.D. diploma from Chinese Academy of Sciences in 2002, he joined the Brown-Goldstein lab at UT Southwestern Medical Center as a Postdoctoral Fellow. In 2005, he moved to Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences as a Principle Investigator, and then he worked as a professor and was promoted to Dean of College of Life Sciences, Wuhan University since 2014. He received the Arthur Kornberg Memorial Award and was elected as the Yangtze River Scholar Professor. Besides, Prof. Song also worked as the Associate Editor for J. of Molecular Cell Biology and an Editorial Board Member for J. Biol. Chem.

Rui-Ping Xiao

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Dr. Rui-Ping Xiao is the Director of the Institute of Molecular of Medicine (IMM) at Peking University and a Peking University Chair Professor. Dr. Xiao serves as a Council Member of the International Society of Heart Research and an Associate Editor of the New England Journal of Medicine and an Editorial Board Member of multiple international top journals. Dr. Xiao's laboratory focuses on cardiovascular and metabolic diseases, with a major emphasis on a translational approach to take bench discoveries into clinically relevant situations. Ongoing research directions include signaling pathways involved in metabolic syndrome and associated cardiovascular complications.

Shi-Min Zhao

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Dr. Shimin Zhao is a professor of Fudan University, Shanghai, China. His research interest is intracellular metabolite sensing and signal transduction. His previous findings include: 1) protein lysine acetylation is a general metabolic regulatory mechanism, 2)α-ketoglutarate analogous metabolites are regulators of DNA methylation and histones methylation and 3) tRNA synthetases sense intracellular amino acids.

Stephen Young

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Dr. Stephen Young is a cardiologist and molecular geneticist who works on understanding genes relevant to human disease. He focuses on two areas- plasma triglyceride metabolism and diseases of the nuclear envelope. Dr. Young has received multiple awards and is a member of the National Academy of Sciences.

Arun Radhakrishnan

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Dr. Radhakrishnan's research at the University of Texas Southwestern Medical Center focuses on how human cells control their cholesterol content. His lab uses methods of cell biology, biochemistry, and structural biophysics to understand how proteins sense changes in membrane cholesterol and transport cholesterol between membranes.

Tobias Walther

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Prof. Dr. Tobias Walther is a German biochemist elucidating the mechanisms underlying lipid and membrane homeostasis. He is particularly interested in the processes of metabolic energy storage as fat in health and disease, for instance during obesity and the metabolic syndrome or in neurodegeneration. He received his Ph.D. from the European Molecular Biology Laboratory in Heidelberg in 2002, working on nuclear pores in Iain Mattaj's laboratory. He then trained with Prof. Dr. Peter Walter at the UCSF in San Francisco (CA, USA) where he studied membrane biochemistry and cell biology. In 2006, he started his laboratory first at the Max Planck Institute of Biochemistry (Germany) then Yale University (CT, USA). In July 2014, he moved to Harvard) where he runs a laboratory on metabolism research with his scientific partner Robert Farese, Jr.