

## SCIENTIFIC PROGRAM

### SESSION LECTURE

No.10

Metabolic Signaling and Diseases

Room: Swallow Room 2

Co-Chairs:  
Qi-Qun Tang



Ormond A. MacDougald



Day 1 October 19th (Saturday) 14:00 – 17:30

Time	Speaker	Title
14:00-14:30	<b>Ormond A. MacDougald</b> University of Michigan, USA	Of mice and [wo]men: how adipose tissues are lost with familial partial lipodystrophy 2
14:30-15:00	<b>Qi-Qun Tang</b> Fudan University School of Basic Medical Sciences, China	Slit3 secreted from M2-like macrophages increases sympathetic activity and thermogenesis in adipose tissue
15:00-15:30	<b>Aimin Xu</b> the University of Hong Kong, China	Hepatokines and Metabolic Dysfunction-associated Liver Disease (MASLD)
15:30-16:00	<b>Tea Break</b>	
16:00-16:30	<b>Kristy Townsend</b> The Ohio State University, USA	Why our fat tissue needs to talk to the brain.
16:30-17:00	<b>Xin-Hua Feng</b> Zhejiang University, China	Exploring a role of SNX8 in lysosomes
17:00-17:30	<b>Susanne Mandrup</b> University of Southern Denmark, Denmark	Adipose tissue plasticity in obesity



### Ormond A. MacDougald

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Ormond MacDougald received his education at the University of Guelph in Canada and Michigan State University. After a postdoctoral fellowship with Dan Lane at Johns Hopkins University School of Medicine, he joined the medical school faculty at the University of Michigan where he has risen through the ranks to Professor. His lab has had a longstanding interest in how adipocytes throughout the body develop, function, and interact with other cell types near and afar.



### Qi-Qun Tang

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Dr. Tang received his M.D., Ph.D. from Shanghai Medical University in 1995, finished his postdoctoral training in the Department of Biological Chemistry at Johns Hopkins University School of Medicine in 2002 and then was appointed as Assistant Professor in the Department of Pediatrics (Endocrinology); Dr. Tang returned to China in late 2005, served as the Director of Biochemistry and molecular Biology (2005-2015), Vice Dean of School of Medicine (2007-2012), Dean of School of Basic Medical Sciences (2012-2017); He is now the Chairman for the Academia Committee (Medical Sciences) of Fudan University, Professor and Director for the Key Lab of Metabolism and Molecular Medicine (Ministry of Education). His study focuses on the Adipocyte Development and Metabolism.



### Aimin Xu

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Dr. Aimin Xu's research group focuses on identification and characterization of novel polypeptide hormones involved in metabolic regulation. His team discovered several adipose -secreted adipokines and hepatocyte-secreted hepatokines as important regulators of adipose remodeling, metabolic inflammation and energy homeostasis, and uncovered adiponectin a key downstream effector of FGF21 in conferring its pleiotropic effects on cardiometabolic homeostasis. Based on novel hormones discovered by his team, he has developed a series of high throughput immunoassays for community-based risk screening and precision diagnosis of diabetes.



### Kristy Townsend

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The Townsend Lab for Neurobiology and Energy Balance at Ohio State ([ktownsendlab.com](http://ktownsendlab.com)) investigates how the brain and peripheral nervous system impact metabolic health, appetite, energy expenditure, and fuel utilization. Townsend was recruited to Ohio in 2020, was previously tenured faculty at University of Maine, and prior to that was postdoc and junior faculty/Instructor at Joslin Diabetes Center and Harvard Medical School. The Townsend Lab were the first to demonstrate neuropathy in adipose tissues with obesity/diabetes and aging, the first to demonstrate critical roles for adipose Schwann cells in maintaining nerves, the first to identify telomerase reverse transcriptase (TERT) as a novel marker for adult brain stem cells, etc.



### Xin-Hua Feng

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In 2009, Professor Xin-Hua Feng became the founding Director of the Life Science Institute at Zhejiang University. The research of Feng lab is aimed at elucidating the underlying mechanisms and interplays among protein modifications, signaling pathways and gene transcription in development and human diseases. During his time at Baylor, he was recognized with several prestigious international awards. Furthermore, he has played an active role in advancing academic cooperation and development in China. After returning to China in 2009, he was selected as a distinguished national expert and received several notable accolades including being named an AAAS Fellow in 2012 and achieving the title of Special-Grade expert in Zhejiang Province in 2018.



### Susanne Mandrup

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Dr. Mandrup obtained her PhD in Biochemistry in 1992 from the University of Southern Denmark and was postdoc in the lab of Prof. M. Daniel Lane at Johns Hopkins University, Baltimore 1995-96. She was recruited back to Odense as Assistant Professor in 1996 and was promoted to full Professor in 2008. Since 2016 she has been heading the Functional Genomics & Metabolism Research Unit, and since 2017 the ATLAS Center of Excellence. Her group contributed significantly to the genome-wide understanding the crosstalk between transcriptional regulation and metabolism, particularly in the context of adipocyte differentiation and function. She is elected member of the Royal Danish Academy of Sciences and Letters, Academia Europaea, AcademiaNet, and the European Molecular Biology Organization (EMBO), and she serves on the Carlsberg Foundation Board of Directors. She is Knight of the Order of Dannebrog.