

DEPARTMENT OF BIOMEDICAL SCIENCES
PRESENTS A SEMINAR



香港城市大學
City University of Hong Kong

**DARK MATTERS: THE ROLE OF LONG NON-CODING RNAS IN
SMOOTH MUSCLE BIOLOGY**

生物暗物質：長非編碼RNA在平滑肌的功能

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PROFESSOR

DEPARTMENT OF PHARMACOLOGY & TOXICOLOGY

MEDICAL COLLEGE OF GEORGIA

AUGUSTA UNIVERSITY



DATE: 12 July 2024

TIME: 11:00 a.m. - 12:30 p.m.

VENUE: LT-8 F.A.M. Lecture Theatre, Yeung Kin Man Acad Building

ABSTRACT

Dr. Jiliang Zhou is a professor at Medical College of Georgia of Augusta University, USA. He obtained his medical degree from Jiangxi Medical College, China, in 1996. After receiving his PhD degree from Zhejiang University in 2002, he underwent postdoctoral training at the Indiana University School of Medicine in Indianapolis, USA. In 2008, Dr. Zhou started his independent research program at the Albany Medical College, NY, as a tenure-track assistant professor. He moved to the Medical College of Georgia, GA, in 2012, as an associate professor, and was promoted to full professor in 2018.

Dr. Zhou studies smooth muscle biology, with a research program dedicated to unraveling the mechanisms that regulate the phenotype of vascular smooth muscle cells, a crucial cell type in the blood vessels responsible for carrying blood throughout the body. The current focus of the Zhou lab encompasses two major areas: Hippo-YAP-TEAD signaling and long non-coding RNAs (lncRNAs). Dr. Zhou has a consistent track record of research productivity and innovation in smooth muscle biology. Additionally, he is a dedicated mentor, highly motivated to train the next generation of cardiovascular scientists. To date, he has trained two postdoctoral fellows who have secured tenure-track assistant professor positions in the US.

In this seminar, Dr. Zhou will share his recent groundbreaking work on the discovery of the smooth muscle-specific lncRNA CARMN (Dong et al., *Circulation*, 2021; He et al., *Gastroenterology*, 2023; and He et al., *Gastro Hepa Advances*, 2024), which is considered the most important lncRNA identified in smooth muscle to date.

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ALL ARE WELCOME!