

Mechanistic understanding of heart disease associated metabolic complications

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Dr. Liming Pei is an Associate Professor at the Children's Hospital of Philadelphia (CHOP) and University of Pennsylvania (UPenn). Liming received his B.S. degree in Life Sciences from the University of Science and Technology of China (USTC) and Ph.D. in Cellular and Molecular Pathology from UCLA, before a postdoctoral fellowship at the Salk Institute. The long-term research goal of his lab is to understand how different organs react to energy cues and communicate with each other to maintain whole-organism homeostasis, with a focus on the cardiac and metabolic biology and diseases.

His seminar will focus on recent and ongoing research in his lab in understanding heart disease associated metabolic complications. One area will be cardiac endocrinology, the study of heart-derived hormones in physiology and disease. Another area will be Fontan-associated liver disease (FALD), a severe liver fibrotic disease distinct from MAFLD and MASH. Both the scientific findings and clinical implications will be discussed.