

The Chinese University of Hong Kong Department of Orthopaedics and Traumatology

Seminar

Single cell transcriptome analysis of bone mesenchymal cells

by



Professor Ling QIN

Associate Professor of Orthopaedic Surgery and
Co-Director of PCMD Histology Core
University of Pennsylvania, USA

Date: 16 August 2019 (Friday)
Time: 11:00 am to 12:00 noon
Venue: Seminar Room, 1/F Orthopaedic
Learning Centre, Li Ka Shing Specialist Clinic,
Prince of Wales Hospital, Shatin

Research Interest:

Dr. Ling Qin is an Associate Professor of Orthopaedic Surgery and Co-Director of PCMD Histology Core at the University of Pennsylvania. She is also an Associate Editor of Journal of Orthopaedic Translation and a member of Editorial Board of Journal of Bone and Mineral Research. She became ASBMR fellow in 2018 and Fellow of International Orthopaedic Research (FIOR) in 2019. To date, she has published more than 80 peer-reviewed research articles and attending NIH and DOD study sections regularly. The overall goal of her research is to combine studies on fundamental mechanisms of skeletal cell function with translational medicine approaches to treat skeletal diseases. Her group uses a combination of molecular, biochemical, imaging techniques, and animal models to investigate the molecular mechanisms by which hormones and growth factors regulate bone metabolism and skeletal development under normal and pathological conditions. In the past decade, she has made some groundbreaking discoveries that greatly advance our understanding of molecular regulation of bone and cartilage metabolism, stem cell biology, and skeletal development, and provided promising therapeutic tools for skeletal disorders, such as osteoporosis and osteoarthritis.

*****ALL INTERESTED ARE WELCOME*****