

Department of Biomedical Sciences
Presents a seminar

Molecular and Cellular Mechanisms of Tissue Closure Birth Defects

Prof. Chengji Zhou,
Department of Biochemistry and Molecular Medicine,
UC Davis

Date: 28 November 2023 (Tuesday)

Time: 14:00 – 15:00

Venue : Y5-204, Level 5 (Yellow Zone), Yeung Kin Man Academic Building, CityU

Biography & Abstract :



Dr. Zhou is currently a full professor in the Department of Biochemistry and Molecular Medicine at UC Davis. Dr. Zhou studied in Tokyo Japan during 1993-2001 and acquired his B.S. in Biology, M.S and Ph.D. in Biophysics from Waseda University (早稲田大学). After his postdoctoral training in developmental neurobiology at UC San Francisco from 2001 to 2005, Dr. Zhou started his own lab at UC Davis School of Medicine in late 2005 and has been a faculty member in the same university since then. His lab studies the role of morphogenetic Wnt signaling and epigenetics in birth defects, organogenesis, and tissue-specific stem cells using genetically modified mutant mice as the model system, combined with a wide range of molecular, cellular, embryological, and single-cell genomic approaches. The Zhou lab has made a significant finding that genetic inactivation of canonical Wnt signaling is a sufficient condition to cause tissue closure birth defects, including orofacial clefts and neural tube defects, which may provide a basis for future translational studies of these severe and common structural birth defects in human newborns.

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ALL ARE WELCOME