



NIDDK P30 Center for Molecular Studies in Digestive and Liver Diseases Research Seminar



Gen-Sheng Feng, PhD

Professor of Pathology and Biology
UC San Diego

“Deciphering the Anti-oncogenic Effects of Oncoproteins in Liver Cancer”

Tuesday, October 11, 2022

12:00 – 1:00 PM EST

901 Biomedical Research Building

Dr. Gen-Sheng Feng is Professor of Pathology and Molecular Biology at the University of California, San Diego (UCSD). He obtained his Ph.D. degree in Microbiology from Indiana University Bloomington in 1990 and received postdoctoral training at the Hospital for Sick Children and Mt Sinai Hospital, Toronto, Canada. Dr. Feng was Assistant and Associate Professor in Biochemistry and Molecular Biology at Indiana University School of Medicine, from 1994 to

1999. He moved his lab to the Burnham Institute, La Jolla, in 2000, and joined UCSD in 2009. Dr. Feng has made seminal contributions to the understanding of cross-talks and regulation of signaling pathways in various cell types in health and diseases. This work was initiated by discovery of an SH2-containing tyrosine phosphatase Shp2 (Syp) in his postdoc studies (Feng et al., Science, 1993). His research has led to establishment of a dogma that a PIP promotes signaling from RTKs to the Ras/Erk pathway. His group was the first to identify a positive role of Shp2 in control of embryonic, hematopoietic and neural stem cell differentiation. He has contributed to deciphering Shp2 as the first oncogenic tyrosine phosphatase in cancer.

The current focus of his lab is on elucidating the paradoxical anti-oncogenic effects of classical oncoproteins in hepatocarcinogenesis, which his and other labs identified recently. This line of research provides fresh views on liver cancer initiation and progression, and identifies novel targets for early detection and therapy of the malignant disease. By elucidating multi-faceted roles of the immune ecosystem, Dr. Feng is developing new thoughts and strategies for design of combinatorial liver cancer immunotherapy through coordinated activation of innate and adaptive immune cells.

The meeting will start promptly at 12:00 pm. Please be on time.
Everyone inside and outside of the division is welcome to attend.