

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Fall Quarter 2024 – CRN 39234

**Friday Seminar at 12:10-1 p.m.
GBSF Auditorium, Room 1005**

“From Cancer to Fibrosis: Deciphering Immune Microenvironments and Therapeutic Pathways”

Research Bio

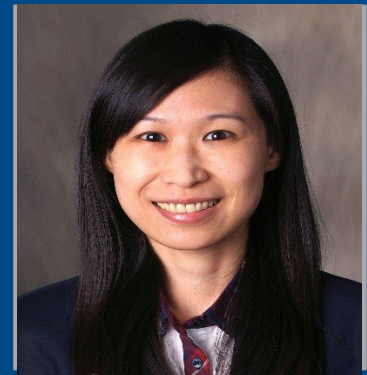
Chen's research focuses on mechanism-based target identification and drug discovery in smoking-related diseases, including lung cancer and pulmonary fibrosis. We aim to elucidate the mechanistic elements and critical factors driving disease progression through integrated omics data, genetic manipulations, and pharmacological approaches. Recently, our efforts have centered on characterizing the immune microenvironments in cancer and fibrosis, particularly within the lung and kidney. Our two-pronged approach investigates the contributions of key signaling molecules and the impact of metabolic dysregulation in disease pathology. Collaborating closely with physician-scientists and chemists, we are dedicated to discovering novel therapeutics with enhanced or combinatorial efficacy by targeting aberrant cell signaling and metabolic reprogramming.

Publications

Chang WH, Hsu SW, Zhang J, Li JM, Yang DD, Chu CW, Yoo EE, Zhang W, Yu SL, **Chen CH**. “MTAP Deficiency Contributes to Immune Landscape Remodelling and Tumour Evasion”. *Immunology*. 2023 Feb;168(2):331-345. doi: 10.1111/imm.13587. Epub 2022 Oct 11. PMID: 36183155; PMCID: PMC9840685..

Yang DC, Hsu SW, Li JM, Oldham J, **Chen CH**. “Spatial Decoding of Immune Cell Contribution to Fibroblastic Foci in Idiopathic Pulmonary Fibrosis”. *Am J Respir Crit Care Med*. 2023 Sep 15;208(6):728-731. doi: 10.1164/rccm.202303-0372LE. PMID: 37487177; PMCID: PMC10515576.

Oct.
11



Ching-Hsien (Jean) Chen, Ph.D.
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Medicine
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University of California at Davis

**Oct. 11, 2024
12:10 – 1 p.m.
GBSF Auditorium
Room 1005**
In-person presentation

Medical Microbiology
and Immunology
School of Medicine

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We hope to see you there!