

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Spring Quarter 2026 – CRN 46205

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

“Beyond Silos: How Cross-Disciplinary Collaboration Drives Functional Precision Oncology”

Research Bio

Christopher A. Lucchesi is an investigator in the Department of Urologic Surgery at the University of California, Davis and a Research Health Scientist at the Department of Veterans Affairs. His work focuses on developing next-generation 3D bioprinted tumor platforms to functionally predict therapeutic response, integrating tumor biology with immune context and computational modeling to better capture patient-specific disease behavior. Recognizing that no single discipline can fully model cancer, Lucchesi's research is built on collaborations across oncology, immunology, engineering, veterinary medicine, and medicinal chemistry, with the goal of advancing more precise and clinically actionable cancer therapies.

Publications

Lucchesi CA, Zhang J, Gao M, Shaw J, Chen X. "Identification of a First-in-Class Small-Molecule Inhibitor of the EIF4E-RBM38 Complex That Enhances Wild-type TP53 Protein Translation for Tumor Growth Suppression". *Mol Cancer Ther.* 2023 Jun doi: [10.1158/1535-7163.MCT-22-0627](https://doi.org/10.1158/1535-7163.MCT-22-0627). PMID: 36940176; PMCID: PMC10866396.

Lucchesi CA, Mantrala S, Tran D, Batra N, Durve A, Suen C, Zhang J, Ghosh P, Chen X. "ANGEL2 Modulates Wild-type TP53 Translation and Doxorubicin Chemosensitivity in Colon Cancer". *Mol Cancer Res.* 2025 Jul 2;23(7):585-596. doi: [10.1158/1541-7786.MCR-24-0702](https://doi.org/10.1158/1541-7786.MCR-24-0702). PMID: 40052999; PMCID: PMC12221813.

May
22



Christopher Lucchesi, Ph.D.
Assistant Adjunct Professor, Department of
Urologic Surgery

UC Davis Medical Center
UC Davis Comprehensive Cancer Center
University of California, Davis

May 22, 2026
12:10 – 1 p.m.
GBSF Auditorium
1005

In person presentation

Medical Microbiology and
Immunology
School of Medicine

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We hope to see you there!