

## 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

### “Canine Cancer Immunotherapy: Linking Mouse and Human Using Dog Natural Killer Cells”

#### Research Bio

**Robert Canter** is a surgical oncologist and Professor of Surgery at UC Davis School of Medicine. His research focuses on mechanisms to target natural killer (NK) cells to the solid tumor microenvironment, especially in bone and soft tissue sarcomas. As part of this research, he has developed strong collaborations in canine immunotherapy and clinical trials in dogs with naturally occurring/ spontaneous cancers. His group is one of select labs internationally who are studying canine NK cells. Ultimately, his goal is to translate these studies to early phase clinical trials for canine and human patients with advanced bone and soft tissue sarcoma.

#### Publications

Razmara AM, Farley LE, Harris RM, Judge SJ, Lammers M, Iranpur KR, Johnson EG, Dunai C, Murphy WJ, Brown CT, Rebhun RB, Kent MS, **Canter RJ**. “Preclinical evaluation and first-in-dog clinical trials of PBMC- expanded natural killer cells for adoptive immunotherapy in dogs with cancer”. *J Immunother Cancer*. 2024 Apr 16;12(4):e007963. doi: 10.1136/jitc-2023-007963. PMID: 38631708; PMCID: PMC11029326.

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Nov.  
22



**Robert ‘Bob’ Canter, M.D.**  
Division Chief, Surgical Oncology  
Professor of Surgery,  
Sarcoma Services  
University of California, Davis

**Nov. 22, 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!