

Sean James O'Day Judge
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EDUCATION

Resident in Surgery, July 2015 – Current
Department of Surgery
UC Davis School of Medicine. Sacramento, CA

Postdoctoral Research Fellow, July 2018 – June 2020
Laboratory of Cancer Immunology
UC Davis School of Medicine. Sacramento, CA

M.D., cum laude, August 2011 – May 2015
Creighton University School of Medicine. Omaha, NE

M.S., Molecular Biology, August 2009 – May 2011
University of San Francisco. San Francisco, CA

B.S., Biochemistry and Molecular Biology, September 2004 – June 2008
University of California, Davis. Davis, CA

PEER-REVIEWED PUBLICATIONS

1. Judge SJ, Yanagisawa M, Sturgill IR, et al. Blood and tissue biomarker analysis in dogs with osteosarcoma treated with palliative radiation and intra-tumoral autologous natural killer cell transfer. *PLOS ONE*. 2020;15(2):e0224775.
2. Judge SJ, Ji J, Liu J, et al. The Role of Palliative Surgery for Malignant Bowel Obstruction and Perforation in Advanced Microsatellite Instability-High Colorectal Carcinoma in the Era of Immunotherapy: Case Report. *Frontiers in Oncology*. 2020;10:581.
3. Judge SJ, Dunai C, Aguilar EG, et al. Minimal PD-1 expression in mouse and human NK cells under diverse conditions. *J Clin Invest*. 2020;130(6):3051-3068.
4. Judge SJ, Murphy WJ, Canter RJ. Characterizing the Dysfunctional NK Cell: Assessing the Clinical Relevance of Exhaustion, Anergy, and Senescence. *Front Cell Infect Microbiol*. 2020;10:49-49.

5. Luna JI, Grossenbacher SK, Sturgill IR, et al. Bortezomib Augments Natural Killer Cell Targeting of Stem-Like Tumor Cells. *Cancers*. 2019;11(1).
6. Judge SJ, Lata-Arias K, Yanagisawa M, et al. Morbidity, mortality and temporal trends in the surgical management of retroperitoneal sarcoma: An ACS-NSQIP follow up analysis. *Journal of Surgical Oncology*. 2019;120(4):753-760.
7. Yanagisawa M, Gingrich AA, Judge SJ, et al. Serum C-reactive Protein and Neutrophil/Lymphocyte Ratio After Neoadjuvant Radiotherapy in Soft Tissue Sarcoma. *Anticancer Research*. 2018;38(3):1491-1497.
8. Judge SJ, Plescia TA, Bateni CP, Darrow MA, Evans CP, Canter RJ. Retroperitoneal extramedullary hematopoietic pseudotumor in ataxia–telangiectasia. *Rare Tumors*. 2018;10:1-5.
9. Judge SJ, Thomas P, Govindarajan V, Sharma P, Loggie B. Malignant Peritoneal Mesothelioma: Characterization of the Inflammatory Response in the Tumor Microenvironment. *Annals of Surgical Oncology*. 2016;23(5):1496-1500.

BOOK CHAPTERS

1. Judge SJ and Gholami S (2020) “The Natural History of Symptomatic and Asymptomatic Gallstones”, in Jarnagin, W. (ed.) Blumgart’s Surgery of the Liver, Biliary Tract, and Pancreas, 7th ed. Philadelphia: Elsevier.
2. Judge SJ, Loehfelm T, and Gholami S (2020) “Surgical Approach to the Treatment of Cholangiocarcinoma”, in Tabibian, J. (ed.) Diagnosis and Management of Cholangiocarcinoma – A Multidisciplinary Approach. Switzerland: Springer.

ORAL PRESENTATIONS

1. Judge SJ, et al. Immune phenotype of tumor infiltrating T and NK cells in soft tissue sarcomas are associated with clinical outcome. Oral presentation at the Department of Surgery Research Symposium. Sacramento, CA. June 23, 2020.
2. Judge SJ, et al. Characterization of tumor infiltrating and post HSCT NK and T cells in human cancer patients. Oral presentation at the SITC 34th Annual Meeting, National Harbor, MD, November 6-10, 2019.
3. Judge SJ, et al. Low-dose sorafenib enriches for cancer stem cells and accelerates tumor progression in sarcomas and other solid tumors. Oral presentation at the SSO 72nd Annual Cancer Symposium, San Diego, CA, March 27-30, 2019.

4. Judge SJ, et al. Morbidity, mortality and temporal trends in the surgical management of retroperitoneal sarcoma. Oral presentation at the Academic Surgical Congress. Houston, TX. February 5-7, 2019.
5. Judge SJ, et al. Changes in serum Th1 cytokine expression, not baseline expression, predict metastasis in soft tissue sarcoma patients treated with multimodality therapy. Oral presentation at the Department of Surgery Research Symposium. Sacramento, CA. April 18, 2017.
6. Judge SJ, et al. Pre-treatment serum Th1 cytokines do not predict survival or extent of disease in soft tissue sarcoma. Oral presentation at the Academic Surgical Congress. Las Vegas, NV. February 6-9, 2017.
7. Judge SJ, et al. Interleukin-6 as a therapeutic target in pseudomyxoma peritonei: effects of an anti-interleukin-6 monoclonal antibody on cell proliferation in a surrogate cell line. Oral presentation at the 44th Annual Midwest Student Biomedical Research Forum, Omaha, Nebraska, February 23, 2013.
8. Judge SJ, Epigenetic regulation by methylation status of the Dax-1 gene in normal and cancerous breast cell lines. Graduate thesis defense, San Francisco, CA, May 6, 2011.
9. Judge SJ, et al. Evaluation of Outreach and Enrollment Process for the Children's Health Initiative in Yolo County, CA. Oral presentation for undergraduate thesis. UC Davis Honors Program, Davis, CA, June 6, 2008.

ABSTRACTS AND POSTER PRESENTATIONS

1. Judge SJ, et al. Phenotype and function of tumor infiltrating T and NK cells in soft tissue sarcomas: prognostic implications. Presentation at the SSO Annual Cancer Symposium, Boston, MA, August 17-20, 2020 (Cancelled due to COVID).
2. Gingrich A, Judge SJ, et al. Comparative transcriptomics of canine and human natural killer cells as immunotherapy target in translational osteosarcoma model. Presentation at the SSO Annual Cancer Symposium, Boston, MA, August 17-20, 2020 (Cancelled due to COVID).
3. Judge SJ, et al. Differences in NK and memory CD8 T cell responses to antigen-nonspecific stimulation by interleukin-15. Presentation at the AAI Annual Meeting, Honolulu, HI, May 12-16, 2020 (Cancelled due to COVID).

4. Gingrich A, Reiter T, Judge SJ, et al. Cross-species gene expression analysis of human, canine, and murine natural killer cells suggests convergence of activated dog and human transcriptomic profiles. Presentation at the AAI Annual Meeting, Honolulu, HI, May 12-16, 2020 (Cancelled due to COVID).
5. Judge SJ, et al. PD-1 is not expressed on highly activated natural killer cells in human and murine models. Presentation at the AAI Annual Meeting. San Diego, CA. May 9-13, 2019.
6. Judge SJ, et al. Assessment of PD-1 expression in human resting and activated natural killer cells and murine tumor models. Presentation at the ASCO-SITC Clinical Immunology Symposium. San Francisco, CA. February 28 – March 2, 2019.
7. Judge SJ, et al. Changes in serum Th1 cytokine expression predict metastasis in soft tissue sarcoma patients treated with sorafenib and radiotherapy. Presentation at the SSO Annual Cancer Symposium, Seattle, WA, March 15-18, 2017.
8. Judge SJ, et al. Factors associated with survival in patients with pseudomyxoma peritonei: influence of signet ring cells. Presented at the SSO Annual Cancer Symposium, Houston, Texas, March 25-28, 2015.
9. Lohani K, Shetty S, Judge SJ, Govindarajan V, Thomas P, Loggie B, Microenvironment and cytokines in pseudomyxoma peritonei. Presented at the ASCO Gastrointestinal Cancers Symposium, San Francisco, California, January 24-26, 2013.
10. Judge, SJ, Tzagarakis-Foster C, Epigenetic regulation of human Dax-1 and breast cell tumorigenesis. Presented at the Keystone Symposia on Molecular and Cellular Biology, Keystone, Colorado, March 21-26, 2010.

RESEARCH SUPPORT

UC Davis Comprehensive Cancer Center, Comparative Oncology Program
Enhancing Cross-Species Natural Killer Immunotherapy with IL-15 and TIGIT Blockade
April 1, 2019 – March 31, 2020
PI: Robert J. Canter
Role: Co-Investigator

AWARDS AND HONORS

Winter School Travel Award, Society for Immunotherapy of Cancer, Winter 2020
Outstanding Resident Teaching Award in Surgery, UC Davis SOM, Spring 2019
Outstanding Intern in Surgery, Dept. of Surgery, UC Davis SOM, Spring 2016
Alpha Omega Alpha, Creighton University School of Medicine, Spring 2015

William Albano Research Award, Dept. of Surgery, Creighton University SOM, Spring 2015
Outstanding Student, Dept. of Surgery, Creighton University SOM, Spring 2015
James C. Healy Award, Dept. of Pathology, Creighton University SOM, Spring 2013
Yamaguchi Research Scholarship, Creighton University School of Medicine, Summer 2012
Hilary Williams Ford Graduate Research Award, University of San Francisco, Spring 2010

PROFESSIONAL MEMBERSHIPS

American Association for Cancer Research, Affiliate Member, 2019 – Present
Society for Immunotherapy of Cancer, Member, 2018 – Present
American Association of Immunologists, Member, 2018 – Present
Americas Hepato-Pancreato-Biliary Association, Resident Member, 2017 – Present
Association for Academic Surgery, Resident Member, 2015 – Present
Society of Surgical Oncology, Resident Member, 2015 – Present
Alpha Omega Alpha, Medical Honor Society, 2015 – Present
Alpha Sigma Nu, Jesuit Honor Society, 2015 – Present
Gold Humanism Honor Society, 2015 – Present
American College of Surgeons, 2011 – Present