



Amanda Robinson Kirane, M.D., F.A.C.S.

Philosophy of Care

Dr. Kirane aims to provide compassionate care as a partnership with her patients and their families with respect to each patient's individual needs. In complex cases, a multi-disciplinary team of specialists within the cancer center will collaboratively coordinate in effort to help guide our patients in decision making to ensure the highest quality care.

Clinical Interests

Dr. Kirane is a fellowship trained Complex General Surgical Oncologist with specialty training in Melanoma, other skin cancers, and soft tissue diseases as well as minimally invasive approaches to oncologic surgery in soft tissue, gastric, and hepatobiliary cancers. Her clinical interests include regional therapies for locally advanced soft tissue cancers, including isolated limb infusion, as well as evolving technologies and therapies in advanced melanoma cases. She passionately believes in personalized medicine using evidence-based best practice to tailor treatment to each individual patient.

Research/Academic Interests

Dr. Kirane's academic interests include basic and translational science research in melanoma and sarcoma with specific interest in mechanisms of evasive resistance, tumor microenvironment signaling and immune response. Being able to move from bench to bedside and return allows for the rapid adaptation of surgical science to improved patient care. Her previous bench work has resulted in multiple ongoing trials of novel therapeutic strategies in pancreatic cancer. She is also invested in surgical education and clinical trials for novel targets in resistant melanoma.

Title Assistant Professor, Department of Surgery

Specialty [Cancer, Surgery - Oncology](#), Skin Cancer and Melanoma, Minimally Invasive Surgery, Robotic Surgery

Department [Surgery](#)

Division Surgical Oncology

Center/Program Affiliation [UC Davis Comprehensive Cancer Center](#)
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Amanda Robinson Kirane, M.D., F.A.C.S.

Email	arkirane@ucdavis.edu
Education	M.D., University of Texas Southwestern Medical School, Dallas TX 2006 B.A., University of Texas, Austin TX 2002
Internships	General Surgery, Southwestern Medical Center, Dallas TX 2006-2007
Residency	General Surgery, Southwestern Medical Center, Dallas TX 2007-2009, 2012-2014
Fellowships	Physician-Scientist in Oncology, Hamon Center for Therapeutic Oncology Research, Dallas TX 2009-2012 Complex General Surgical Oncology, Memorial Sloan Kettering Cancer Center, New York NY 2014-2016
Board Certifications	American Board of Surgery - Complex General Surgical Oncology da Vinci Surgery in General Surgical Oncology
Professional Memberships	American Association of Cancer Research American College of Surgery Association of Academic Surgeons Association of Women Surgeons Connective Tissue Oncology Society Society of Surgical Oncology The Society for Melanoma Research
Honors and Awards	Women In Cancer Immunotherapy Network Leadership Institute, Society for Immunotherapy of Cancer, 2019 Innovation in Physician Wellness Award, UC Davis, 2019 Mentorship Academy Innovation Award, UC Davis, 2019 European Society of Medical Oncology Immunotherapy Correspondent, Society for Immunotherapy of Cancer, 2019 Best Oral Presentation When is palliative surgery indicated in gastric Cancer? A Systematic Meta-analysis, UC Davis Department of Surgery Research Symposium, 2018 Melanoma Bridge 2016 Travel Award, Society for Immunotherapy of Cancer, 2016 Award of Courage Fellow, Memorial Sloan Kettering Cancer Center, 2015 Society of Surgical Oncology, Best Basic/Translational Science Award, 2015
Select Recent Publications	Wang E, Kao J, Ma C, Cheng MY, Barton VR, Petukhova TA, Kiuru M, Maverakis E, Kirane AR. Non-surgical management of primary invasive melanoma. J Dermatolog Treat. 2019 Nov 20;1-4. doi:10.1080/09546634.2019.1687830. Online ahead of print.



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Judge SJ, Lata-Arias K, Yanagisawa M, Darrow MA, Monjazez AM, Kirane AR, Bold RJ, Canter RJ, Canter DJ. Morbidity, mortality and temporal trends in the surgical management of retroperitoneal sarcoma: An ACS-NSQIP follow up analysis. *J Surg Oncol*. 2019 Sep;120(4):753-760. doi:10.1002/jso.25649. Epub 2019 Jul 29.

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Saiz AM Jr, Gingrich AA, Canter RJ, Kirane AR, Monjazez AM, Randall RL, Thorpe SW. Role of Radiation Therapy in Adult Extraskeletal Ewing's Sarcoma Patients Treated with Chemotherapy and Surgery. *Sarcoma*. 2019 Apr 24;2019:5413527. doi:10.1155/2019/5413527. eCollection 2019

de la Torre J, Banerjee S, Baumgartner J, Lin GY, Burgoyne AM, Kirane A, Sicklick J. Tumor Symbiosis: Gastrointestinal Stromal Tumor as a Host for Primary Peritoneal Mesothelioma. *J Gastrointest Surg*. 2019 Apr;23(4):879-881. doi: 10.1007/s11605-018-3918-3. Epub 2018 Aug 21.



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Kirane A, Zhang Y, Huang H, Sorrelle NB, Burrows FJ, Dellinger MT, Brekken RA. Cyclooxygenase-2 Inhibition Potentiates the Efficacy of Vascular Endothelial Growth Factor Blockade and Promotes an Immune Stimulatory Microenvironment in Preclinical Models of Pancreatic Cancer. *Mol Cancer Res.* 2019 Feb;17(2):348-355. doi:10.1158/1541-7786.MCR-18-0427. Epub 2018 Oct 17.

Ogawa H, Luxardi G, Kirane A, Kulkarni R, Monjazeb AM, Cheng MY, Ma C, Maverakis E. T Cells Dominate the Local Immune Response Induced by Intralesional IL-2 in Combination with Imiquimod and Retinoid for In-Transit Metastatic Melanoma. *J Invest Dermatol.* 2018 Jun;138(6):1442-1445. doi:10.1016/j.jid.2017.12.027. Epub 2017 Dec 29.

Yanagisawa M, Gingrich AA, Judge S, Li CS, Wang N, Thorpe SW, Kirane AR, Bold RJ, Monjazeb AM, Canter RJ. Serum C-reactive Protein and Neutrophil/Lymphocyte Ratio After Neoadjuvant Radiotherapy in Soft Tissue Sarcoma. *Anticancer Res.* 2018 Mar;38(3):1491-1497. doi:10.21873/anticancer.12376.

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