

Julian R. Perks, Ph.D.

Julian Perks, Ph.D. is an Associate Professor in the Department of Radiation Oncology at the University of California Davis Medical Center. He earned both his bachelor's degree and Ph.D. in physics from the University of Birmingham, UK. Dr. Perks is a physicist whose clinical interests include stereotactic radiotherapy as well as radiosurgery planning and treatment delivery. In particular, he has been focusing on the commissioning and clinical integration of a new gamma-knife system for the treatment of intracranial lesions. He also is working to expand the department's intensity-modulated radiotherapy (IMRT) capabilities. His research activities include the comparison of linear accelerator and gamma knife-based radiosurgery procedures, optimizing imaging protocols, and the retrospective analysis of cone beam CT predictive outcome models to develop data for UC Davis. Dr. Perks is a Resident Physics Course Lecturer and a Residents Physics Seminars/Conference/Journal Club mentor in the Physics Residency Program.