



**Northern California Chapter of the American Association of Physicists in Medicine**  
***The Young Investigator's Symposium***

**Friday, May 19<sup>th</sup>, 2023**

UCSF Mission Bay campus: 1675 Owens Street, San Francisco, 94158 (2<sup>nd</sup> floor, Coblenz Boardroom)

**Parking information: see the attached**

Via Zoom (Meeting ID: 981 8728 6159, Password: 243628)

Link: <https://ucsf.zoom.us/j/98187286159?pwd=a3ovZlVnaUlaVEFjUUpNV1p5eGFOZz09>

**10:45 – 11:00 A.M.**

**Sign-In & Registration**

**11:00 – 12:00 P.M.**

**Keynote Speech**

**Dr. Ke Sheng, Professor, Vice Chair of Medical Physics, Department of Radiation Oncology at UCSF**

**12:00 – 12:30 P.M.**

**Lunch**

**12:30 – 3:30 P.M.**

**Talks from young Investigators (10 minutes + 2 minutes question):**

***Students:***

**Di Xu (UCSF)**

**Mask R-CNN assisted 2.5D object detection pipeline of <sup>68</sup>Ga-PSMA-11 PET/CT-positive metastatic pelvic lymph node after radical prostatectomy from solely CT imaging**

**Yile Fang (UC Merced)**

**Three-dimensional focused x-ray luminescence tomography Imaging for small animals**

**Quincy Huynh (UC Berkeley)**

**Active Cancellation of Direct Feedthrough Interference of Simultaneous TX/RX Systems - Applications to Magnetic Particle Imaging and Relaxometry**

**Chinmoy Saayujya (UC Berkeley)**

**Brownian superparamagnetic Iron Oxide nanoparticles enable viscosity and binding contrast in Magnetic Particle Imaging**

***Residents:***

**Evan Porter (UC Francisco)**

**A RayStation Interface for TG-263 and Clinical Planning Goal Quality Control**

**Oi Wai (April) Chau (UC Francisco)**

**Assessing Acute Cardiac Inflammation One Month after Left-sided Breast Cancer Radiotherapy with Hybrid PET/MRI**

**Ramish Ashraf (Stanford)**

**Technical Infrastructure for an Electron Flash Clinical Trial**

**Ignacio O. Romero (Stanford)**

**Comprehensive automation of the treatment planning process for VMAT-CSI**

Young Investigator Program Director: Stan Benedict: [shbenedict@ucdavis.edu](mailto:shbenedict@ucdavis.edu)

Young Investigator Program Co-Director: Amy Yu: [amysyu@stanford.edu](mailto:amysyu@stanford.edu)

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***Postdocs:***

**Ramon Ortiz (UCSF)**

**A mathematical model for selection of nanodosimetric quantities for treatment planning in charged particle radiotherapy**

**Siqi Li (UC Davis)**

**Dynamic PET Image Reconstruction using Single-Subject Deep Kernel Learning**

**Brahim Mehadji (UC Davis)**

**Using Contrast Enhanced Computed Tomography to predict hepatic radioembolization dose distribution**

**Neeladrisingha (Neel) Das (Stanford)**

**Metabolic characterization of radiation-induced giant cells in human lung cancer cells using FDG-PET imaging**

***SLAM competitions (more to come):***

**Lu Jiang (UCSF)**

**A Novel Irradiation Platform Design for Multiple Mouse Automated Treatment Environment**

**Oi Wai (April) Chau (UC Francisco)**

**Got extra devices on your shelves? We got you covered**

**Yile Fang (UC Merced)**

**Whirling Wonders: A Rotary Gantry to Rescue Small Animals from a Skewer Stick in X-ray Luminescence Imaging**

**03:30 – 4:00 P.M.**

**Award Ceremony**

**04:00**

**PCMB Campus Tour**

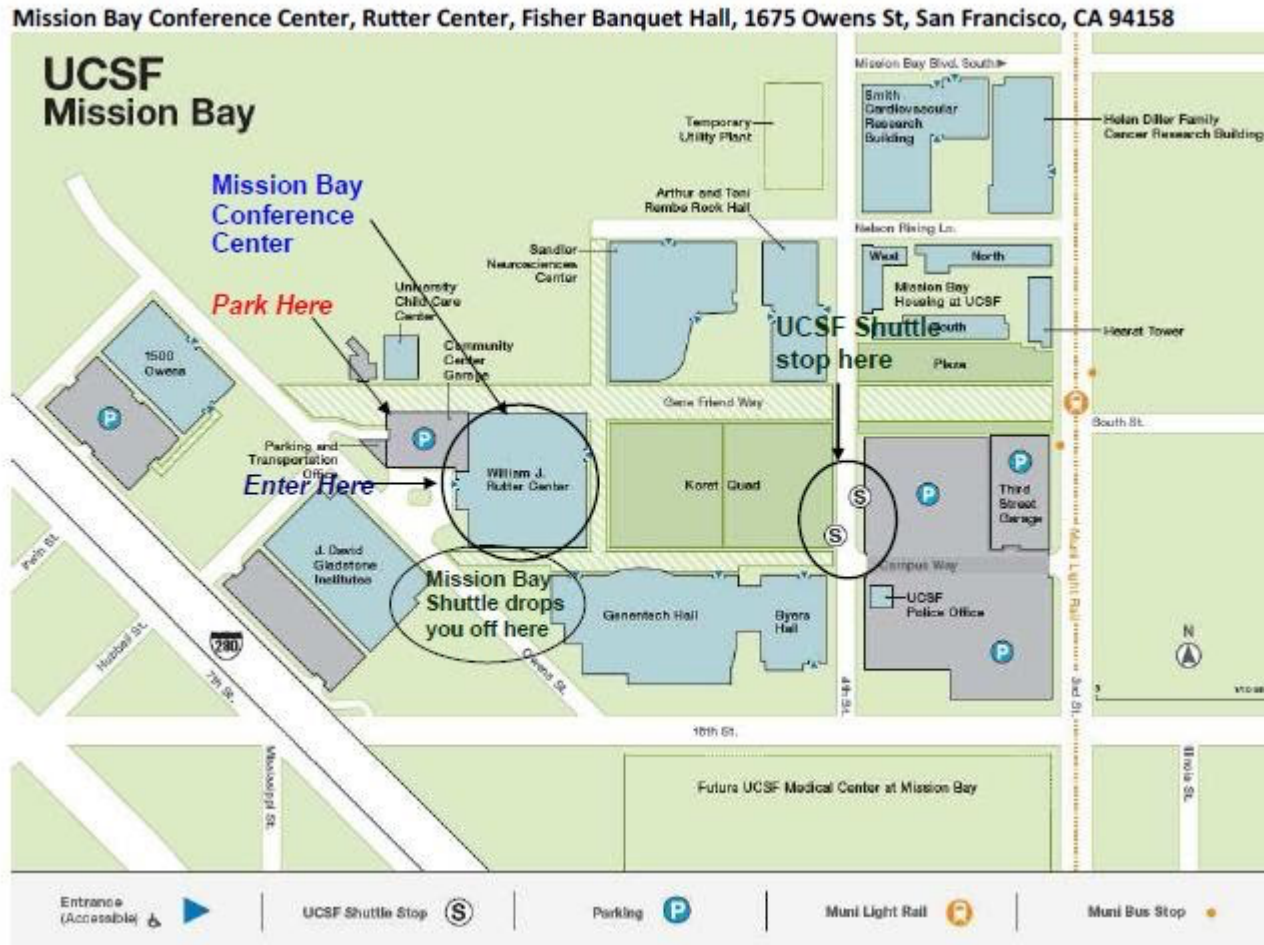
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Address: 1675 Owens Street, San Francisco, 94158.

Direction: The meeting room is called Coblentz Boardroom, and it's on the 2nd floor via the stairs by the atrium statues. There will be signs provided by our Conference Center Coordinator that guides attendees to the Coblentz Boardroom per the Conference Center.



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