

**UCSF Radiation Oncology Update: Underpinnings and Advances in Reirradiation**  
**March 21-22, 2026**  
**UCSF Mission Bay Conference Center**  
**1675 Owens Street**  
**San Francisco, CA 94158**

Come enjoy the visually delightful and relaxing environment of San Francisco's Mission Bay district, while obtaining a focused training and update on the scientific bases and technological advances enabling reirradiation. We will cover the basics of radiation effects from the radiobiology and physics perspectives, review establishing and emerging clinical implementation of reirradiation techniques and technologies, discuss approaches to dose estimation and quality assurance in this complex clinical scenario, and explore new means for reirradiation such as with proton therapy or FLASH radiation. The course will review the practical implementation of reirradiation in different disease sites. Case studies, templates, and resource materials will be provided, along with close personal interaction with expert panelists, to maximize learning opportunities.

**COURSE FEES**

\$750 Physicians

\$600 Physicists/Dosimetrists/ Nurses/Advanced Health Practitioners/University of California

**REGISTER TODAY!**

Exhibitor Opportunities Available. Please contact Alan Taniguchi at [alan.taniguchi@ucsf.edu](mailto:alan.taniguchi@ucsf.edu) or Dr. Sue Yom at [sue.yom@ucsf.edu](mailto:sue.yom@ucsf.edu)

**CME, ASRT and MDCB credits are offered. Check website for details.**

<https://meded.ucsf.edu/continuing-education>

**Please Note:** Since this course will be held on UCSF Campus, you are free to choose your own hotel accommodations.

**UCSF Radiation Oncology Update: Underpinnings and Advances in Reirradiation**  
**Saturday, March 21, 2026 | UCSF Mission Bay Conference Center**

7:30am	<i>Continental Breakfast</i>	
8:00	<b>Welcome and Introductions</b>	<b>Course Chairs</b>
	<b>Reirradiation Fundamental</b>	<b>Catherine Park, MD</b>
8:10	<b>Best Practice Workflows for Reirradiation</b>	<b>Kelly Paradis, MD</b>
8:40	<b>Image Registration: Whether and How to Use Deformation</b>	<b>Ke Sheng, PhD</b>
8:55	<b>Whether and How to Account for Fractionation</b>	<b>Emily Hirata, PhD</b>
9:10	<b>Phillips Lecture: Biologic Effects of Proton Therapy</b>	<b>Harold Paganetti, MD</b>
10:10	<b>Q&amp;A with All Speakers</b>	
10:20	<b>Coffee Break</b>	
	<b>SPINE/CNS</b>	<b>Steve Braunstein, MD</b>
10:40	<b>Spine Reirradiation</b>	<b>Lauren Boreta, MD</b>
10:55	<b>Biology of Recurrent Tumors and Second Malignancy</b>	<b>Jean Nakamura, MD</b>
11:10	<b>Reirradiation of the Skull Base</b>	<b>David Raleigh, MD</b>
11:25	<b>Reirradiation of Brain Metastases</b>	<b>Harish Vasudevan, MD</b>
11:40	<b>Multi Target Plan Summation</b>	<b>Olivier Morin, PhD</b>

11:55	<b>Spine/CNS Cases from the Community</b>	<b>Steve Braunstein, MD</b>
12:55	<i>Lunch</i>	
	<b>THORACIC</b>	<b><i>Nam Woo Cho, MD</i></b>
1:55	<b>Effects of Radiation on TGF-Beta</b>	<b>Mary-Helen Barcellos-Hoff, PhD</b>
2:10	<b>Fractionation Choices in Lung Reirradiation</b>	<b>Megan Daly, MD</b>
2:25	<b>Reirradiation in Challenging Locations: Central, Ultracentral</b>	<b>Chuck Simone, MD</b>
2:55	<b>Physics: Planning Reirradiation in the Thorax</b>	<b>Martina Descovich, PhD</b>
3:10	<b>Break</b>	
3:30	<b>Thoracic Cases from the Community</b>	<b>Nam Woo Cho, MD</b>
	<b>GYNECOLOGIC</b>	<b><i>Joe Hsu, MD</i></b>
4:30	<b>Reirradiation of the Vagina and Vulva</b>	<b>Emi Yoshida, MD</b>
4:45	<b>Planning Reirradiation Including Brachytherapy</b>	<b>Adam Cunha, PhD</b>
5:00	<b>GYN Cases from the Community</b>	<b>Joe Hsu, PhD</b>
5:30	<i>Course Adjourns</i>	

## UCSF Radiation Oncology Update: Underpinnings and Advances in Reirradiation

### Sunday, March 22, 2026 | UCSF Mission Bay Conference Center

7:30am	<i>Continental Breakfast</i>	
8:00	<b>Welcome and Announcements</b>	<b>Sue Yom, MD</b>
	<b>BREAST</b>	<b><i>Nicolas Prionas, MD</i></b>
8:10	<b>Breast Tissue Properties After Radiation</b>	<b>Catherine Park, MD</b>
8:25	<b>Reirradiation of the Chest Wall</b>	<b>Nicolas Prionas, MD</b>
8:40	<b>Physics: Planning Reirradiation for Breast Cancer</b>	<b>Evan Porter, PhD</b>
8:55	<b>Breast Cases from the Community</b>	<b>Nicolas Prionas, MD</b>
9:10	<b>Buschke Lecture: Biomarkers of Radiation Effect</b>	<b>Costas Koumenis, PhD</b>
10:10	<i>Coffee Break</i>	
	<b>HEAD AND NECK</b>	<b><i>Mia Salans, MD</i></b>
10:30	<b>Choosing Reirradiation Fractionation</b>	<b>Shyam Rao, MD</b>
10:45	<b>Clinical Trials in HN Reirradiation</b>	<b>Sue Yom, MD</b>
11:00	<b>Special Techniques: Hyperthermia, Brachytherapy</b>	<b>Jason Chan, MD</b>
11:15	<b>Physics: Planning Reirradiation for HN Cancer</b>	<b>Hui Lin, PhD</b>
11:30	<b>HN Cases from the Community</b>	<b>Mia Salans, MD</b>
12:30	<i>Lunch</i>	
	<b>GENITOURINARY</b>	<b><i>Richard Valicenti, MD</i></b>
1:30	<b>Tolerance of Reirradiation in the Pelvis</b>	<b>Jason Zhao, MD</b>
1:45	<b>Reirradiation of Nodal Regions and Oligometastatic Disease</b>	<b>Steven Seyedin, MD</b>

2:00	<b>Clinical Trials in Pelvic Reirradiation</b>	<b>Anthong Wong, MD</b>
2:15	<b>Physics: Planning Reirradiation for Prostate Cancer</b>	<b>Minsong Cao, PhD</b>
2:30	<i>Coffee Break</i>	
2:50	<b>GU Cases from the Community</b>	<b>Steve Seyedin, MD</b>
	<b>GASTROINTESTINAL</b>	<b>William C Chen, MD</b>
3:50	<b>Reirradiation of Esophageal-Gastric Cancers</b>	<b>Alexandria Hotca-Cho, MD</b>
4:10	<b>Physics: Planning Liver Reirradiation</b>	<b>Wensha Yang, PhD</b>
4:30	<b>GI Cases from the Community</b>	<b>William C Chen, MD</b>
5:30	<b>Final Remarks</b>	<b>Sue Yom, MD Catherine Park, MD</b>
5:45pm	<i>Course Adjourns</i>	