UCSF Radiation Oncology Update:
The Science and Practice of Hypofractionation 2024

Friday - Sunday
April 5-7, 2024
THE ARGONAUT HOTEL • SAN FRANCISCO, CA

CREDITS OFFERED THIS YEAR
• AMA PRA Category 1
• CAMPEP - This meeting has applied to CAMPEP for approval of 14.84 MPCEC hours.
• ASRT and MDCB
OVERVIEW

Come enjoy the visually delightful and relaxing waterfront environment of San Francisco, while obtaining a focused training and update on hypofractionation and its most common applications, stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT). We will cover the basics of stereotactic radiobiology and physics, established and emerging clinical applications of SRS/SBRT and hypofractionation, integration of SRS/SBRT with targeted therapy, immunotherapy, and chemotherapy, new techniques for planning and delivering stereotactic treatments, and approaches to SRS/SBRT quality assurance and verification. The course will review practical implementation of hypofractionation and/or stereotactic radiotherapy for patients. Case studies, templates, and resource materials will be provided, along with close personal interaction with expert panelists, to maximize learning opportunities.

At the end of this activity, attendees should be able to:

• Describe the fundamental radiobiological principles governing hypofractionation.
• Name the major image guidance and dose summation technologies that can be used for SBRT.
• Develop an optimal prostate SBRT plan.
• Contour a breast plan in preparation for hypofractionated treatment planning.
• Combine lung SBRT with systemic therapies or immunotherapy.
• Combine head and neck SBRT with systemic therapies or immunotherapy.
• Incorporate MR into liver SBRT delivery.
• Decide between single and multi-fraction SRS for brain metastases.
• Select hypofractionation versus IMRT-SIB techniques for gynecologic cancers.

GENERAL INFORMATION

Advanced registration closes one (1) business day prior to start of course.

HOW TO ENROLL

Tuition:
- $750 Practicing Physicians
- $600 AHPs
- $325 Residents/Fellows
- $375 Medical Physicists

Payment can be made by Visa, MasterCard, AmEx or check.

REGISTER VIA

Online: cme.ucsf.edu

Mail: Complete course registration form and send with payment to:
UCSF Office of CME
490 Illinois Street, Floor 8
San Francisco, CA 94114

Phone: To register by phone or to inquire about registration status, please call UCSF’s CME Registration Office at (415) 476-5808.

Please check our website for up-to-date information on the course: cme.ucsf.edu

REFUND POLICY

Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION

Argonaut Hotel
495 Jefferson St.
San Francisco, CA 94109

Special Room Rate of $285


Immerse yourself in the Wharf’s rich history and present-day character at our award-winning San Francisco boutique hotel.

Argonaut Hotel merits a term like iconic both for its past and its present. A recipient of the AAA Four Diamond Award for 20 consecutive years, the Argonaut boasts a location just as noteworthy as its accolades and high-touch service. Guests wake to views of the San Francisco Bay, Alcatraz, and the Golden Gate Bridge before venturing mere steps to explore Ghirardelli Square, Fisherman’s Wharf, and some of the city’s best parks.

Uncover the storied past of the Wharf through the preserved and timeless walls that house our Fisherman’s Wharf luxury hotel. Located in the landmark Haslett Warehouse building, Argonaut’s enduring character shines bright through the hotel’s gracious team, stellar reputation, and bountiful amenities.

COURSE QUESTIONS/INQUIRIES

Alan Taniguchi – alan.taniguchi@ucsf.edu
DAY 1 • FRIDAY, APRIL 5, 2024 • All times are Pacific Daylight Time (PDT)

1:00 pm Opening
1:05 Day 1 Announcements

FUNDAMENTALS OF HYPOFRACTIONATION
1:10 Radiobiology of Hypofractionation  
Brian Marples, MD
1:35 Commercially Available Image Guidance Options: CT, MRI, PET, Surface  
Dante Capaldi, PhD
1:50 Plan Summation: How to Account for Dose, Time, Fractionation using Current Commercial Solutions  
Emily Hirata, PhD
2:10 PHILLIPS LECTURE: New Technologies for SBRT: AI, Radiomics, Personalized PULSAR, CoPlanar and non-Coplanar Planning  
Ke Sheng, PhD
2:50 Q/A
3:00 Break

GENITOURINARY
3:20 Optimizing Prostate SBRT: Dose Fractionation, Image Guidance, Nerve-sparing and Peri-rectal Spacers  
Anthony Wong, MD
3:40 Focal SBRT vs Extended Nodal RT in the Management of Oligometastatic Prostate Cancer  
Mack Roach, MD
4:00 Salvage Re-irradiation: Brachytherapy vs SBRT  
I-Chow (Joe) Hsu, MD
4:20 Role of SBRT in Primary and Oligometastatic Renal Cancer  
Julian Hong, MD
4:35 MR vs CT/X-ray Guided Prostate RT  
Jessica Scholey, PhD
4:50 Q/A
5:00 pm GU Contouring and Planning Practicum  
Anthony Wong, with Mack Roach, Joe Hsu, Alex Gottschalk, Julian Hong, Jessica Scholey

DAY 2 • SATURDAY, APRIL 6, 2024

7:30 am Breakfast
8:00 Day 2 Announcements

BREAST
8:10 Hypofractionated Whole Breast Irradiation and Accelerated Partial Breast Irradiation  
Jean Wright, MD
8:35 Surgical Considerations for Target Delineation in Breast Radiotherapy  
Karen Goodwin, DO
8:55 Surface Image Guidance vs. Spirometry for Left Breast RT  
Tomi Nano, PhD
9:10 Q/A
9:20 Breast Contouring and Planning Practicum  
Nicolas Prionas, with Lisa Singer, Karen Goodwin, Christine Chung, Jean Wright

9:50 BUSCHKE LECTURE: Oligometastasis: Past, Present, and Future  
Break  
David Palma, MD

THORACIC
10:30 SBRT Technical Considerations in Combinations with Systemic Therapies and Immunotherapy  
Lucas Vitzthum MD
11:10 Status of Hypofractionation in Locally Advanced NSCLC Combined with Systemic Therapies and Immunotherapy  
Sue Yom, MD
11:30 Lung Reirradiation – Deformation and Dose Summation  
Katelyn Hasse, MD
11:50 Developing a Cardiac Arrythmia SBRT Program  
Lisa Singer, MD
12:10 pm Q/A
12:20 Lunch
1:20 Thoracic Contouring and Planning Practicum  
Nam Woo Cho, with Megan Daly, Sue Yom, Katelyn Hasse, Lisa Singer, Lucas Vitzthum, David Palma

HEAD AND NECK AND CUTANEOUS
1:50 Hypofractionated Reirradiation in HN Cancer and Integration with Targeted Therapy and Immunotherapy  
Jason Chan, MD
2:10 Skin Cancer Fractionation and Integration with Targeted Therapy and Immunotherapy  
Sue Yom, MD
DAY 2 • SATURDAY, APRIL 6, 2024 (continued)

2:25 pm  AI-based Contouring, Automated Planning and QA in HN  Hui Lin, PhD
2:45 Q&A
2:55 Break
3:15 HN Contouring and Planning Practicum  Jason Chan, with Sue Yom, Hui Lin, Mary Jue Xu, Hyu Kang

GI CANCER
3:45 MR Guided RT in Pancreas Cancer: Trials, Patterns of Failure, and Contouring using MR  Michael Chuong, MD
4:10 Liver SBRT and its Combinations with Other Local and Systemic Therapies  Mekhail Anwar, MD
4:30 MR for Liver SBRT  Wensha Yang, PhD
4:45 Planning Abdominopelvic SBRT – Setup, Motion Management  Jose Ramos-Mendez, PhD
5:00 Q&A
5:10 GI Contouring and Planning Practicum  Will Chen, with Michael Chuong, Mekhail Anwar, Wensha Yang, Jose Ramos-Mendez

5:40-7:00 pm Cocktail Reception for all participants and exhibitors

DAY 3 • SUNDAY, APRIL 7, 2024

7:30 am Continental Breakfast
8:00 Day 3 Announcements

CENTRAL NERVOUS SYSTEM
8:10 Hypofractionation for Recurrent Glioma – Patient Selection and Techniques  Lauren Boreta, MD
8:30 Single vs Multifractionated Radiosurgery for Brain Metastases – Definitive vs Perioperative  Harish Vasudevan, MD
8:50 Normal Tissue Effects in the Setting of Hypofractionation  Jean Nakamura, MD
9:10 Treatment Planning for Multiple-Target Brain SRS/SBRT  Olivier Morin, MD
9:25 Advances in Spine Radiosurgery for Primary and Metastatic Tumors  Steve Braunstein, MD
9:45 Q&A
9:55 RAFFLE
10:00 Break
10:20 CNS Contouring and Planning Practicum  Jean Nakamura, with Harish Vasudevan, Lauren Boreta, Olivier Morin, Steve Braunstein

GYNECOLOGIC CANCER
10:50 Hypofractionation for Gynecologic Cancers and Combination with Systemic Therapies and Immunotherapy  Erni Yoshida, MD
11:10 IMRT-SIB for the Management of Vulvar Cancer  I-Chow (Joe) Hsu, MD
11:30 MR Guided GYN Brachytherapy: A State of the Art Review  Adam Cunha, PhD
11:50 Q&A
12:00 GYN Contouring and Planning Practicum  Christina Phuong, with Erni Yoshida, Joe Hsu, Lee-May Chen, Adam Cunha

12:30-12:40 pm Closing Messages and Adjourn

ACCREDITATION
The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. UCSF designates this live activity for a maximum of 16 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity. This CME activity meets the requirements under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

Nurses For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credits™ issued by organizations accredited by the ACCME.

Physician Assistants AAPA accepts category 1 credit from AOACCME, Prescribed credit from AAFP, and AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

Pharmacy The California Board of Pharmacy accepts as continuing professional education those courses that meet the standard of relevance to pharmacy practice and have been approved for AMA PRA Category 1 Credit™.

RTT/Dosimetrists ASRT and MDCB credits will be offered.
COURSE DIRECTORS
Sue Yom, MD, PhD, MAS
Professor and Conference Chair
Catherine Park, MD
Professor and Department Chair

CONFERENCE MANAGER
Alan Taniguchi, MS

VISITING FACULTY
Michael Chuong, MD
Medical Director
Department of Radiation Oncology
Baptist Health Miami Cancer Institute
Christine Chung, MD
Radiation Oncology
Department of Radiation Oncology
Sutter Health
Megan Daly, MD
Professor of Radiation Oncology
UC Davis Health
Brian Marples, PhD
Professor
Department of Radiation Oncology
University of Rochester
Medical Center
David Palma, MD, MSc, PhD, FRCPC
Professor
Department of Radiation Oncology
University of Western Ontario
Lucas Vitzthum, MD
Associate Professor
Stanford University
Department of Radiation Oncology
Jean Wright, MD
Associate Professor
Department of Radiation Oncology
Johns Hopkins University

UCSF COURSE FACULTY
Mekhail Anwar, MD, PhD
Associate Professor
Lauren Boreta, MD
Assistant Professor
Steve Braunstein, MD, PhD
Associate Professor
Dante Capaldi, PhD
Assistant Professor
Jason Chan, MD, PhD
Assistant Professor
Lee-May Chen, MD
Professor
Division of Gynecologic Oncology
Department of Ob/Gyn & Reproductive Sciences
William Chen, MD, PhD
Assistant Professor
Nam Woo Cho, MD, PhD
Assistant Professor
Adam Cunha, PhD
Associate Professor
Alexander Gottschalk, MD
Professor
Karen Goodman, DO
Associate Professor
Department of Surgery
Katelyn Hasse, PhD
Assistant Professor
Emily Hirata, PhD
Associate Professor
I-Chow (Joe) Hsu, MD
Professor
Julian Hong, MD, PhD
Assistant Professor
Hyunseok Kang, MD, MPH, FACP
Associate Professor
Division of Hematology/Oncology
Department of Medicine

UCSF COURSE FACULTY (CONT’D)
Hui Lin, PhD
Assistant Professor
Olivier Morin, PhD
Professor
Jean Nakamura, MD,
Professor
Tomi Nano, PhD
Assistant Professor
Jose Ramos-Mendez, PhD
Assistant Professor
Mack Roach III, MD
Professor
Christina Phuong, MD
Clinical Resident
Nicolas Prionas, MD
Assistant Professor
Jessica Scholey, PhD
Assistant Professor
Ke Sheng, PhD
Professor Vice Chair of
Medical Physics
Lisa Singer, MD, PhD
Assistant Professor
Harish Vasudevan, MD, PhD
Assistant Professor
Anthony Wong, MD, PhD
Assistant Professor
Mary Jue Xu, MD
Clinical Instructor, OHNS
Wensha Yang, PhD
Associate Professor
Emi Yoshida, MD
Assistant Professor

REGISTER TODAY!
For more information or to register online visit our
website at cme.ucsf.edu
You may also reach us by calling the Office of CME
at (415) 476-4251 or emailing: info@cme.ucsf.edu.
E PRINTED ON RECYCLED PAPER
## Course Registration Form

**UCSF Radiation Oncology Update: The Science and Practice of Hypofractionation**  
April 5-7, 2024 • THE ARGONAUT HOTEL • SAN FRANCISCO, CA

### Registration Information

- **Mail to:** UCSF Office of CME • Box 0742  
  490 Illinois Street, Floor 8  
  San Francisco, CA 94143
- **Online registration:** [cme.ucsf.edu](http://cme.ucsf.edu)  
  Registration Information: (415) 476-5808  
  Questions Regarding Course: alan.taniguchi@ucsf.edu

### Personal Information

- Dr. □ Ms. □ Mr. □ Mrs. □ Mx.

<table>
<thead>
<tr>
<th>LAST NAME</th>
<th>FIRST</th>
<th>M.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DEGREE</th>
<th>SPECIALTY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CITY</th>
<th>STATE</th>
<th>ZIP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DAYTIME PHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EMAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Address Label Code (see address label: example, A, B, C, D, etc.)**

### Additional Information

- Would you like to be on our priority email list?  
  □ Yes □ No
- Date of birth to be used as OCME registrant number: _____ / _____ / XX

Please indicate if you have any special needs:

### Registration Fees

- □ $750 Practicing Physicians  
- □ $600 Allied Health Professionals  
- □ $325 Residents/Fellows

Make checks payable to UC Regents

Please charge my credit card: □ Visa □ MasterCard □ AmEx for $ ______________________

<table>
<thead>
<tr>
<th>CARD #</th>
<th>EXPIRATION DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NAME ON CARD (PLEASE PRINT)</th>
<th>AUTHORIZED SIGNATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Refund Policy

Refund Policy: Cancellations received in writing before the first day of the course will be refunded, less a $150 administrative fee. No refunds will be made on cancellations received after that date. Please check our website for up-to-date information on the course: [cme.ucsf.edu](http://cme.ucsf.edu)

---

**The Argonaut Hotel**  
495 Jefferson St.  
San Francisco, CA 94109  
(415) 583-0800