The Hyperpolarized MRI Technology Resource Center (HMTRC) is a Biomedical Resource Technology Center whose mission is to develop new advances in dissolution DNP techniques & instrumentation, specialized data acquisition methodology, and analysis software for preclinical and clinical research.

https://radiology.ucsf.edu/research/labs/hyperpolarized-mri-tech/calendar

The March 2018 Hyperpolarized Carbon-13 MRI Technology Development Workshop includes lectures, hands-on training and discussions on dissolution DNP methodology, polarizer instrumentation, MR Sequence and Acquisitions, Chemistry & Pharmacy Preps, Clinical Translation, and Analysis & Display Software.
Workshop Schedule
Day 1

Thursday, March 15th

8:00am  Breakfast/Registration  Genentech Hall Auditorium

8:15  Introductions: HMTRC Director, Dr. Dan Vigneron

8:25  Dissolution DNP Methodology & HP $^{13}$C MR Acquisition Developments: Drs. Peder Larson & Jeremy Gordon, UCSF

8:40  Development of HP MR Molecular Imaging Probes and Cell & Tissue Culture Models: Drs. John Kurhanewicz & James Slater RPh, UCSF

9:15  Open Source Tools and Methods for Processing Hyperpolarized $^{13}$C MR Data: Drs. Duan Xu & Jason Crane, UCSF

9:30-10:00  Coffee Break

10:00-12:00pm  **Plenary Talks from Sites Conducting Human Studies**

- **Mr. James Grist**, University of Cambridge Medicine
- **Dr. Kayvan R. Keshari PhD**, Memorial Sloan Kettering Cancer Center
- **Dr. Damian Tyler PhD**, University of Oxford
- **Dr. Craig Malloy MD**, University of Texas Southwestern Medical Center
- **Dr. Michael Ohliger MD, PhD**, University of California San Francisco

12:00-1:30  Lunch & Poster Session

1:30-3:15  Hands-on Breakout Sessions with Coffee Break 3:15-3:30pm

AND 3:30-4:45  Hands-on demos & discussions on dissolution DNP methodology, polarizer instrumentation, MR Sequence and Acquisitions, Chemistry & Pharmacy Preps, Clinical Translation will be held in the Surbeck Laboratory for Advanced Imaging. Software hands-on training and discussions (Location Genentech Hall N-114: 1:30pm-4pm).

4:50  Symposium Group Photo

**Dinner Reception & Keynote Lectures**

*Sponsored by MilliporeSigma*

5:00  Keynote Lecture by Dr. Shonit Punwani MD, PhD, Magnetic Resonance and Cancer Imaging, University College London

5:30  Keynote Lecture by Dr. Charles Cunningham PhD, University of Toronto

6:00-8:00  Dinner Reception
Workshop Schedule
Day 2

Friday, March 16th

8:00am    Breakfast/Registration & Poster Session  Genentech Hall Auditorium

8:15-9:50am
- Dr. Rahul Aggarwal MD, PI of HP C-13 MRI & IND/IRB R01, Department of Medicine, Division of Hematology/Oncology, UCSF
- Dr. Albert Chen PhD, Senior Scientist, GE Healthcare
- Dr. Arnaud Comment PhD, Senior Scientist, GE Healthcare, UK

9:50-10:00am  Coffee Break

10:00-12:00pm  Hands-on Breakout Sessions
Hands-on demos & discussions on dissolution DNP methodology, polarizer instrumentation, MR Sequence and Acquisitions, Chemistry & Pharmacy Preps, Clinical Translation will be held in the Surbeck Laboratory for Advanced Imaging. Software hands-on training and discussions (Location Byers Hall 215).

12:00-1:00pm    Lunch Reception & Poster Sessions

1:00-2:00pm    Hands-on Breakout Sessions (Continued)
Hands-on demos & discussions on dissolution DNP methodology, polarizer instrumentation, MR Sequence and Acquisitions, Chemistry & Pharmacy Preps, Clinical Translation will be held in the Surbeck Laboratory for Advanced Imaging. Software hands-on training and discussions (Location Byers Hall 215).

2:00-4:00pm  Plenary Talks (Continued)
- Dr. Matthias Glaser, University College London
- Dr. Jim Bankson PhD, Professor, Director of the Magnetic Resonance Engineering Laboratory, UT MD Anderson Cancer Center
- Dr. Christoffer Laustsen PhD, The MR Research Centre, Aarhus University, Denmark
- Dr. Pamela Munster MD, Professor, Department of Medicine, Division of Hematology/Oncology, Director of Early Phase Clinical Trials Unit

4:00-5:00pm    Wrap-Up
Registration Information and Fees

HMTRC Workshop Registration Fee

Academic Participant  $250
Industry Participant  $750

University of California personnel please email hmtrc@ucsf.edu before registering to follow UC policies.

Location: The HMTRC Workshop will be held on Thursday, March 15 from 8am to 8pm and Friday, March 16, 2018 from 8:30am to 5pm on the UCSF Mission Bay Campus in the Genentech Hall Auditorium, 600 16th Street, San Francisco, CA 94158. Your name badge and workshop program will be available for pick up at the registration counter located outside the Genentech Hall Auditorium.

Registration: Online registration for the HMTRC Workshop is available at https://www.123signup.com/register?id=nmpbs. VISA, Mastercard, and Discovercard are accepted. The HMTRC Workshop Registration Fee includes hands-on training/demo costs, and related MR scanner, DNP supplies, pharmacy and chemistry costs. Register Early, Enrollment is Limited. No registration at the door.

Refund Policy: If you enroll and cannot attend, a refund of the registration fee less $55 will be granted by February 26, 2018. After this date, a total of $110 will be deducted from your refund. Refunds will not be granted to registrants who fail to cancel prior to the opening of the course. If you are unable to attend, you may send another person in your place. Send refund requests to hmtrc@ucsf.edu and please include a reason for the cancellation. Refunds will be processed within 60 days after the workshop.


Hotel Accommodation

Hotels within the vicinity:
- Marriott Courtyard San Francisco – 299 2nd St, SF, CA 94105; (800) 321-2211
- Harbor Court – 165 Steuart St, SF, CA 94105; (415) 882-1300
- Hotel VIA – 138 King St, SF, CA 94158; (415) 200-4977
- Hotel Griffon – 155 Steuart St, San Francisco, CA 94105 offers a nightly rate of $253 plus tax for a standard queen. For reservation, call Paul Barbaro at 415-249-7908 or email him at pbarbaro@greystonehotels.com. Please request for UCSF rates.

SF Hotels within 2.5 miles from the UCSF Mission Bay Campus:
- San Francisco Marriott Marquis – 780 Mission St, SF, CA 94103; (415) 896-1600
- InterContinental San Francisco – 888 Howard St, SF, CA 94103; (415) 616-6500
- Sir Francis Drake Hotel – 450 Powell St, SF, CA 94102; (415) 392-7755
- Inn at Union Square – 440 Post St, SF, CA 94102; (415) 397-3510
- W San Francisco – 181 3rd St, SF, CA 94103; (888) 627-8391
- Hotel Zetta – 55 5th St, SF, CA 94103; (888) 720-7004
- Four Seasons - 757 Market St, SF, CA 94103; (415) 633-3000
- Hotel Zelos – 12 4th St, SF, CA 94103; (888) 459-3303
- Parc 55 – 55 Cyril Magnin St, SF, CA 94102; (415) 392-8000
- The Park Central – 50 3rd St, SF, CA 94103; (888) 627-8561
- Hilton SF Union Square – 333 O’Farrell St, SF, CA 94102; (855) 786-4701
- Holiday Inn Express SF Union Square – 235 O’Farrell St, SF, CA 94102; (888) 465-4329
- Hotel Nikko – 222 Mason St, SF, CA 94102; (415) 394-1111
- Palace Hotel – 2 New Montgomery St, SF, CA 94105; (415) 512-1111
- The Westin St. Francis Union Square – 335 Powell St, SF, CA 94102; (888) 627-8546
- King George Hotel – 334 Mason St, San Francisco, CA 94102 offers a nightly rate of $179 plus tax for 1 queen or 1 king. For reservation, call Paul Barbaro at 415-249-7908 or email him at pbarbaro@greystonehotels.com. Please request for UCSF rates.
- Club Quarters Hotel – 424 Clay St, San Francisco, CA 94111 offers a nightly rate of $250 plus tax for 1 queen. For reservation, call 415-392-7400. Please request for University of California Rate.

San Francisco Airport Hotels:
- Hilton Garden Inn SFO – 670 Gateway Blvd., South SF, CA 94080; (650) 872-1515
- Embassy Suites by Hilton SFO – 250 Gateway Blvd., South SF, CA 94080; (650) 589-3400
- Hyatt Regency SFO – 1333 Old Bayshore Hwy, Burlingame, CA 94010; (650) 347-1234
Location: The HMTRC Workshop will be held on Thursday, March 15 & Friday, March 16, 2018 on the UCSF Mission Bay Campus starting in the Genentech Hall Auditorium. Your name badge and workshop program will be available for pick up at the registration counter located outside the Genentech Hall Auditorium.

Registration desk is located in the East Corridor of Genentech Hall entrance, outside the Auditorium on the 1st Floor.