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.

http://www.radiology.ucsf.edu/research/labs/hyperpolarized-mri-tech

The March 2017 Hyperpolarized Carbon-13 MRI Technology Development Workshop includes hands-on training, lectures, and discussions on dissolution DNP methodology, polarizer instrumentation, MR Sequence and Acquisitions, Bioreactors, Animal Preps, Chemistry & sterile Pharmacy Preps, Clinical Translation, and Software.

HMTRC is funded by NIBIB, NIH Grant P41EB013598
Workshop Schedule
Day 1

Thursday, March 23rd

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: Dr. Peder Larson, UCSF
8:40    Development of HP MR Molecular Imaging Probes and Cell & Tissue Culture Models: Dr. John Kurhanewicz, UCSF
9:00    Open Source Tools and Methods for Processing Hyperpolarized $^{13}$C MR Data: Dr. Sarah Nelson, UCSF
9:15-9:45  Coffee Break
9:45-12:30pm  Hands-on Breakout Sessions
Hands-on demos & discussions on five DNP Polarizers, MR Sequence and Acquisitions, Bioreactors, Animal preps, Chemistry preps, Research & Clinical Fluid Path Assembly will be held in the Surbeck Laboratory for Advanced Imaging and the UCSF Biomedical NMR Lab. Software hands-on training and discussions.
12:30-1:30  Lunch & Poster Session
1:30-3:30  Two Hands-on Breakout Sessions
AND 3:30-5:15  Hands-on demos & discussions on five DNP Polarizers, MR Sequence and Acquisitions, Bioreactors, Animal preps, Chemistry preps, Research & Clinical Fluid Path Assembly will be held in the Surbeck Laboratory for Advanced Imaging and the UCSF Biomedical NMR Lab. Software hands-on training and discussions.

Dinner Reception & Keynote Lectures
Sponsored by

5:30  Keynote Lecture by Dr. Ferdia Gallagher, University of Cambridge School of Clinical Medicine - “Clinical Imaging of Hyperpolarized Pyruvate in Oncology and Neurology”
6:00  Keynote Lecture by Dr. Jan Henrik Ardenkjær-Larsen PhD, Technical University of Denmark & General Electric Healthcare - “Technological Advances in Dissolution DNP”
6:30-8:00  Dinner Reception
Workshop Schedule
Day 2

Friday, March 24th

8:30am  Breakfast/Registration  Genentech Hall Auditorium

9:00-12:00pm  Hands-on Breakout Sessions
Hands-on demos & discussions on five DNP Polarizers, MR Sequence and Acquisitions, Bioreactors, Animal preps, Chemistry preps, Research & Clinical Fluid Path Assembly will be held in the Surbeck Laboratory for Advanced Imaging and the UCSF Biomedical NMR Lab. Software hands-on training and discussions.

11:30-2:30pm  Poster Sessions

12:00-1:30pm  Lunch Reception

1:30-3:00pm  Hands-on Breakout Sessions (Continued)
Hands-on demos & discussions on five DNP Polarizers, MR Sequence and Acquisitions, Bioreactors, Animal preps, Chemistry preps, Research & Clinical Fluid Path Assembly will be held in the Surbeck Laboratory for Advanced Imaging and the UCSF Biomedical NMR Lab. Software hands-on training and discussions.

3:00-3:30pm  Lecture by Dr. Rui Chen PhD, Senior Scientist, GE Global Research Center - “Expanded Hyperpolarized C-13 Agent Status”

3:30-4:00pm  Conclusion & Wrap-up
Registration Information and Fees

HMTRC Workshop Registration Fee

<table>
<thead>
<tr>
<th>Type</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Academic Participant</td>
<td>$250</td>
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<tr>
<td>Industry Participant</td>
<td>$750</td>
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</tbody>
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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 23 from 8am to 8pm and Friday, March 24, 2017 from 8:30am to 4pm 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=pshv}. VISA, Mastercard, and Discovercard are accepted. The HMTRC Workshop Registration Fee includes hands-on training/demo costs, and related MR scanner, DNP supplies, bioreactor, animal and chemistry costs. Register Early, Enrollment is Limited. No registration at the door.

Posters: We welcome poster presentations by any participants. If you would like to present a poster at the workshop, please email us at hmtrc@ucsf.edu. Please send title and author list by March 20, 2017, if you would like it to be included in the printed materials.

Refund Policy: If you enroll and cannot attend, a refund of the registration fee less $55 will be granted by March 6, 2017. 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 Griffon – 155 Steuart St, San Francisco, CA 94105 offers a nightly rate of $253 plus tax for a standard queen and $263 plus tax for a standard king. For reservation, call 415-495-2100. Please request for UCSF rates.

Other Hotels not within the vicinity:
- 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
- King George Hotel – 334 Mason St, SF, CA 94102; (415) 781-5050
- 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
- 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 23 & Friday, March 24, 2017 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.