

NCCHPS

Northern California Chapter-Health Physics Society
January 2020



NCCHPS January 2020 Dinner Meeting

Thursday, January 16, 2020

6 pm Social - 7 pm Dinner - 8 pm Technical Presentation

Eve's Waterfront, Oakland



PRODUCTION PROCESS OF SHORT-LIVED DIAGNOSTIC IMAGING AGENTS (PET, MRI)

This presentation will discuss the design of a PET facility regarding radiation safety focusing on areas of the cyclotron, synthesis, quality control, distribution of the final product and safety for patients and personnel. It will also provide an overview of facility designs in regarding work flow, personnel and patient radiation safety. The presentation will cover the manufacturing process of short-lived PET and MRI imaging agents to meet FDA criteria for approved and investigation clinical use.



About the Speaker: *Dr. James Slater,*
Director, Education and Special Projects for Isotope Imaging,
UCSF School of Medicine

Dr. Slater has a broad educational and work experience in radiopharmaceutical chemistry. He has been a consultant with many pharmaceutical companies and a co-investigator on many clinical trials in radiopharmaceuticals and hyperpolarized agents. His approach to PET and hyperpolarized drug production and development are based on over 30 years experience with the FDA in diagnostic and therapeutic pharmaceutical manufacturing for academics and the pharmaceutical industry. This experience includes setting up two commercial centralized radiopharmacies and two academic PET drug manufacturing facilities. He wrote and submitted four FDA approved ANDAs and wrote over a dozen chemistry manufacturing IND sections (CMC) for PET and hyperpolarized agents.

UCSF Radiopharmaceutical Cyclotron and MRI Tour

Technical tour of the UCSF radiopharmaceutical facility and MRI Facility. Learn about the production of isotopes at a radiopharmaceutical facility.

1:00 – 2:45 p.m., Thursday, January 16th at UCSF
185 Berry St, Suite 350, San Francisco

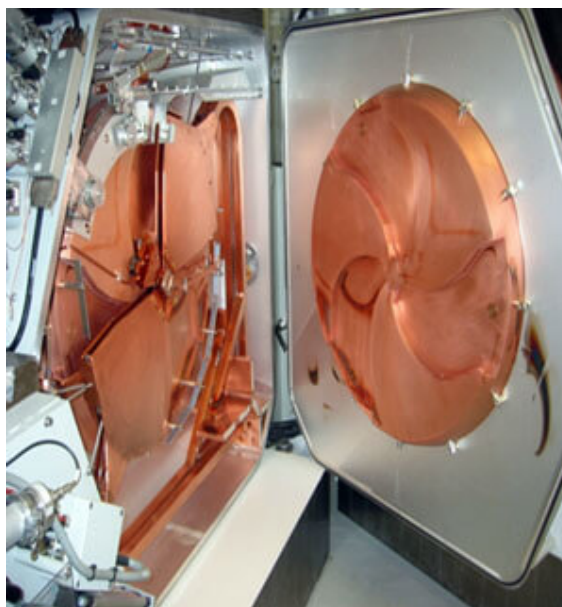
Register for the tour on your NCCHPS January dinner reservation form by January 9.

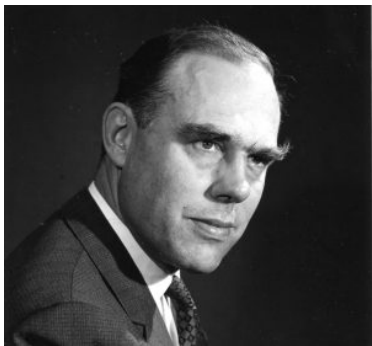
Meet in lobby, 6th floor. Minimize personal items - no backpacks. Maximum of 25 attendees in two groups.

We recommend carpooling to those who plan to attend both the tour and the dinner. Park at UCSF facility or nearby: <https://oneparking.com/property/china-basin/>

Any questions please email Tracy at Tracy.Jue@cdph.ca.gov or (916) 316-9253. See the following website for details about the facility:

<https://radiology.ucsf.edu/research/core-services/probes>





Burton J. Moyer Fellowship

The Burton J. Moyer Fellowship (BJMF) is the most prestigious educational award in radiological sciences. The BJMF was established 35 years ago by NCCHPS, and is co-sponsored by the Health Physics Society (HPS); the total annual award, valued at \$11,000, is provided on competitive basis to the most eligible candidate.

The NCCHPS BJMF Committee was established and continues to operate in accordance the NCCHPS bylaws; the Committee bears both the fiduciary responsibility of maintaining the BJMF Fund, as well as, the operational responsibility to provide a recommendation identifying the most eligible candidate. Any NCCHPS member who would like to join the NCCHPS Fellowship Committee and participate in candidate selection should contact Radoslav Radev, the committee chair.

The current value of the BJMF Fund is \$165,856 (12/16/2019). Many NCCHPS members have financially contributed to the success of the fellowship since its inception and continue to do so.

Thank you to all those who contribute regularly to the Burton J. Moyer Memorial Fellowship Fund — your contributions over the years have really made a difference!

Tax deductible donations to the BJMF Fund are appreciated in any amount. Checks payable to NCCHPS may be sent to our Treasurer, with the notation "For the Moyer Fund" or you can contribute with one combined check when you pay for your dinner meeting. Please indicate if you wish your donation to remain anonymous.

NCCHPS Burton J. Moyer Fellowship Committee



Your Ludlum Representative for the Western US is:

Todd A. Jokerst, M.S.

Jokerst-Scientific, LLC

509-378-2447, todd@jokerst-scientific.com



President's Message

Hi all,

Thanks for all that attending our September meeting at Pasta Pelican and the October meeting with the Northern California Chapter of AAPM. We're looking forward to seeing you all again for the upcoming January meeting.

Our President-Elect, Harrison Agordzo, is working diligently to line up speakers for the March and May 2020 meetings. If you know of anyone interested, please reach out to Harrison at hagordzo@stanford.edu.

There's been a bit of a downward trend for meeting attendance. The Board is eager to find new, accommodating venues that would stimulate and support healthy meeting attendance. If you have any ideas or suggestions, please share them with Rick Thacker, at thacker3@llnl.gov. We're interested in spreading the meetings out across the Bay Area, and are looking into a location on the Peninsula for March. Stay tuned!

In January we'll be looking for Nominating Committee volunteers and begin the Board election process. Please consider joining the Nominating Committee to help recruit next year's Board members! We'll need one Nominating Committee Chair, and at least two members. If you're interested, please email ncchps@gmail.com.

See you on the 16th,
Maranda Cimeno
NCCHPS President

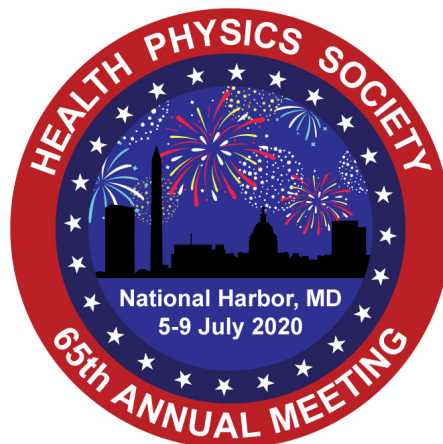
Chapter Announcements

Nevada Technical Associates - Radiation Safety Officer Training in San Jose, California:

<http://www.ntanet.net/sanjose.htm>

California Radiologic Health Branch – Radioactive Material Licensing Information Notices:

<https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/RHB-RML/InfoNotices.aspx>



**65th Annual Meeting – National Harbor, MD
July 5th – 9th 2020**

<https://hps.org/meetings/meeting51.html>

**CALL FOR ABSTRACTS
Deadline – January 24, 2020**

Please submit your abstract (including special session abstracts) through the HPS website: <https://www.burkclients.com/hps/2020AM/abstracts/index.php>.

Consulting Opportunity

Chapter member and past-president Joel Cehn is seeking a consulting health physicist for x-ray measurements. This work involves measurements around a desktop, hand x-ray unit in the Bay Area. Interested HPs should email Joel at cehn@aol.com.



National Radiological Emergency Preparedness Conference

The 2020 annual meeting and training/ workshops of the National Radiological Emergency Preparedness (NREP) Conference, Inc. will be held at the Sheraton Music City Hotel, 777 McGavock Pike, Nashville, Tennessee 37214. The dates are March 30 - April 2, 2020.



Registration for this event has not opened at this time, however, attached is the conference invitation letter from the Chair. We understand many of you are already needing information to make your travel arrangements, and hope to open registration soon.

Happy Holidays to all of you from the NREP Conference Committee!

Rae Walker, Chair, 2019-2020 Steering Committee

Rae.Walker@dshs.texas.gov

Ph. 512-776-2051



Thermo Fisher Scientific is continuing to advance instrumentation used in the measurement of radiation. These advancements are in the areas of personnel contamination, dosimetry, and hand-held survey instruments.

*The **iPCM-12** is a direct replacement for the PCM-2, however it expands the capabilities in areas of body coverage, background reduction using a unique proportional detector design, and a unique Rn-rejection algorithm.*

*The **Thermo-Harshaw TLD** products (readers and materials) are the state of the art for passive monitoring using TLD. The **EPN-Mk2** and **EPD-N2**(gamma neutron) are the active dosimeters of choice at virtually all DOE and DOD sites.*

*The **RadEye-X** series has already been selected by many DOE National Labs as a superior replacement for the older box-style analog meters, including our own E600. These labs are realizing not only the cost savings advantages of the RadEye-X, but also the simplicity and robustness that has been designed into a sophisticated digital meter that weighs approx 4 oz. and "talks" to all of your existing probes.*

Bob Thomson

603-560-2339

bob.thomson@thermofisher.com

<http://www.thermoscientific.com/en/products/radiation-measurement-security.html>



Symposium on Radiation Measurements and Applications (SORMA)

**Announcing IEEE SORMA West 2020
June 2-4, Clark Kerr Campus, UC-Berkeley**

Abstract submittal is open, with a deadline of January 24.

The technical program will include both oral and poster presentations as well as plenary talks you won't want to miss. Industrial exhibits will showcase solutions to your technology needs.

A welcome reception is planned for the evening of June 1. The technical presentations will be all day June 2, 3, and 4.

Topical Focus: Radiation Detection for National and Homeland Security Applications

Continuing the successful thematic focus of 2016, we are dedicating the entire symposium to these applications. Where SORMA West 2016 looked back at the significant investments made in these areas over the prior decade, SORMA West 2020 will shift the focus toward emerging technologies with the potential to significantly advance security applications.

Location

For 2020, SORMA West will return to the University of California at Berkeley campus. We'll be in the conference facility at the Clark Kerr Campus, just off the main campus. Conveniently accessible from the OAK and SFO airports via public transit, this venue will offer affordable dormitory-style housing on-premises to cultivate interaction. To offer further opportunities for shoptalk and serendipity, breakfast and lunch will be provided on-site for all registered attendees.

<p><i>Upcoming NCCHPS Meetings...</i></p> <p>January 16, 2020 Dinner Meeting Dr. James Slater, UCSF</p> <p>March 19, 2020 Dinner Meeting National HPS President-Elect</p> <p>May 21, 2020 Dinner Meeting Affiliates Night</p> <p>Mailing Address: NCCHPS 4435 First Street #141 Livermore, CA 94550</p> <p>Email: ncchps@gmail.com</p> <p>Website: http://hpschapters.org/ncchps/</p> <p>Newsletter Editor: Warren TenBrook warren@tenbrook.org (925) 423-1470</p> <p>Affiliate Liason: Nelson Chiu ncchpsaffiliatecontact@gmail.com (414) 559-5586</p>	<p><u>The Next NCCHPS Meeting!</u> Thursday, January 16, 2020 Social Hour 6 pm Dinner 7 pm Presentation 8 pm</p> <p>Eve's Waterfront 15 Embarcadero West, Oakland (510) 817-4477 Free onsite parking</p> <p><u>Buffet Menu:</u> Little Gems Lettuce: Sourdough Crisps - Shaved Asiago - Eve's Caesar Dressing Roasted Beets: Arugula - Goat Cheese - Extra Virgin Olive Oil - Cracked Black Pepper Black Kale: Toasted Almonds - Soybeans - Asian Pears - Peanut Vinaigrette Seared Wild Salmon: Tomato Beurre Blanc Grilled Mediterranean Chicken Breast: Olives - Lemon Jus Bbq Pulled Pork: Cherry Cola - Crispy Jalapeno - Secret Sauce Assorted Desserts Coffee and Tea Included</p> <p>Reserve at the following web link by midnight, January 9, 2020</p> <p>https://forms.gle/wSRsNFgk9V3SHtEQ6</p> <p>NCCHPS members \$30 (\$35 @ door) NCCHPS guests \$35 Students \$10 Non-members \$40</p> <p>Only online registrations accepted. Contact Rick Thacker thacker3@llnl.gov ONLY if you encounter difficulties using the form. Please note to avoid unnecessary cost, you may be charged for no-shows. Cancellations may not be made after the RSVP deadline.</p>	<p><u>2019-2020</u> <u>NCCHPS</u> <u>Board Members:</u></p> <p>President-Elect Harrison Agordzo, Stanford University hagordzo@stanford.edu</p> <p>President Maranda Cimen Genentech, Inc. cimeno.maranda@gene.com</p> <p>Secretary Heather Byrnes LLNL Byrnes7@llnl.gov</p> <p>Treasurer Tracy Jue California Dept Public Health tracy.jue@cdph.ca.gov</p> <p>Member-at-Large Jesse Hendricks UC Berkeley jesse.hendricks@gmail.com</p> <p>Member-at-Large Rick Thacker LLNL thacker3@llnl.gov</p>
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