

NCCHPS

Northern California Chapter-Health Physics Society
September 2019



NCCHPS September 2019 Dinner Meeting

Thursday, September 19, 2019

6 pm Social

7 pm Dinner

8 pm Technical Presentation

New Radioactive I-131 MIBG Therapy at Lucile Packard Children's Hospital



AZEDRA was developed by Progenics Pharmaceuticals and received FDA approval on July 30, 2018. Stanford University Health Physics was tasked to create a Radiation Safety Program for I-131 MIBG therapies in the newly built meta-iodobenzylguanidine (MIBG) suite at Lucile Packard Children's Hospital (LPCH):

- Shielding Design of the isotope room within the MIBG suite
- Advising on health physics equipment like Area Monitors, Portable Shielding, and Radiation Detectors to help reduce radiation dose to medical staff.
- Developing a radiation safety training for all the nurses and physicians involved; and instructing them how to stay radiation safe when entering the isotope room.
- Setting up a dosimetry program for all individuals who enter the isotope room so that their live exposure rate and cumulative dose history can be monitored.
- Prepping and Decontaminating Isotope Rooms so that it can be released radiation free back to the hospital.

On June 26, 2019 marked the first AZEDRA therapy to ever be completed at LPCH. This milestone made LPCH one of the first four treatment centers to offer this therapy in the United States.



About the Speaker: Marshall Wen, MHP

Marshall Wen has been employed as a Health Physicist in the Medical Health Physics Program at Stanford University since 2011. He received his bachelor’s degree in Biological Sciences from the University of California, Irvine, in 1999, and then obtained a certification in Nuclear Medicine Technology in 2002 while interning at Mount Sinai Medical Center in New York City. He then worked as a technologist in Nuclear Medicine clinics for seven years during which time he entered a program to earn his master’s degree in Health Physics from the Illinois Institute of Technology. Prior to his employment with Stanford University and the completion of his master’s degree in 2012, he worked as an Associate Health Physicist at the Radiologic Health Branch for the State of California. Marshall currently manages

the Radionuclide Therapy Program for the Health Physics group at Stanford University and is the lead physicist on novel therapies such as Xofigo, Lutathera, and the newly FDA approved Azedra therapy.

Marshall Wen’s presentation will also feature team members John Kwofie and Don Samaan.

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Burton J. Moyer Fellowship Awarded



NCCHPS would like to congratulate the 35th annual Burton J. Moyer Memorial Fellowship recipient, Hadyn Kistle. Ms. Kistle will receive financial assistance for the 2019/2020 academic year while attending Texas A&M University.

Hadyn Kistle is a Ph.D. student working with Dr. Craig Marianno and Dr. Shaheen Dewji. Ms. Kistle's research will conduct pre- and post-detonation examination of particles from a radiological dispersal device (RDD) to establish changes in chemical signatures, including composition and morphology. Results from the experiments will also provide particle characteristics for investigation into health effects using MCNP. Ms. Kistle graduated in 2012 from the University of Tennessee, Knoxville, with a B.S. in Nuclear Engineering. Ms. Kistle began working with the Chemistry Division at Los Alamos National Lab in 2016, and continues working at LANL with M Division (Explosive Science and Shock Physics).

The prestigious Burton J. Moyer Memorial Fellowship (BJMF) currently consists of a cash award of \$11,000 and is accompanied by an HPS travel grant to be used for attending the HPS Annual Meeting.

The BJMF is the most highly regarded award for education in radiological protection. The Fellowship was established 35 years ago by the NCCHPS to encourage graduate studies focusing on the safe use of radiation for the benefit of all people. BJMF is co-sponsored by the HPS.

Many NCCHPS members have financially contributed to the success of the fellowship since its inception over three decades ago, the current value of the BJMF Fund is \$151,771 (9/3/2019). NCCHPS also staffs the BJMF Committee which has fiduciary responsibility for the BJMF Fund; as well as review and recommendation of the top candidates for the BJMF Award.

BJMF candidate reviews generally occur early in the calendar year, April timeframe. Every NCCHPS member who is interested is welcomed to participate in the review and recommendation process.

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.

If you have questions regarding the Burton J. Moyer Fellowship, please contact a member of the NCCHPS Burton J. Moyer Fellowship Committee, as listed on the NCCHPS website.

President's Message

Hey Everybody! I hope that everyone has had a great summer and is looking forward to another year with NCCHPS! At our upcoming summer meeting, the Board will meet to welcome and transition our incoming board members into their new roles. I am looking forward to working with Harrison Agordzo (President-Elect), Heather Byrnes (Secretary), and Rick Thacker (Member-at-Large). In addition, Tracy Jue has agreed to step into the Treasurer role left vacant by Ted Liang, who left for a position at DESY. Thank you for volunteering your time to help keep our Chapter going strong! It is truly appreciated.

With that said, I would also like to extend my sincerest gratitude to our outgoing board members: Ibrahim Ozcan, Ted Liang, and Dan Hibbing. I have really enjoyed working with you, and I am looking forward to your continued contributions as active members of our local Chapter and national society. Your work has been much appreciated and you will be missed!

We have news! First, we have upgraded our public address (PA) system. This new sound system will not only give our speakers great sound and reliability for years to come, but it will also enable us to have some nice background music to spice up our social hour.

Secondly, we are very pleased to offer merchandise for our membership. Finally, you will be able to represent the NCCHPS in style! There will be a **pre-order period of one month**, which is open now. Once we collect all the orders, we will place an order, which will take a couple of weeks to fill. We have selected the highest quality fabrics available to pass on to our membership. [Please follow this link to pre-order.](#)

I would love to say that I am looking forward to serving you as president this coming year, but the truth is that I just accepted a position at ORNL as the safety officer of the Spallation Neutron Source and I will be moving shortly. This is a move to better my career and help my parents as I am originally from the NE TN area. I have really enjoyed being a part of the chapter since 2004 and I will continue to serve the national society as an executive board member of the NIR section. It has been great getting to know you all and I wish you the best in your future endeavors.

Best Regards,

Marcus Balanky CHP, CLSO

NCCHPS President, Executive Board Member HPS NIR section

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Mugs



<p><i>Upcoming NCCHPS Meetings...</i></p> <p>September 19, 2019 Dinner Meeting Marshall Wen, Stanford University</p> <p>November 21, 2019 Dinner Meeting</p> <p>January 16, 2020 Dinner Meeting</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, September 19, 2019 Social Hour 6 pm Dinner 7 pm Presentation 8 pm</p> <p>Pasta Pelican Restaurant 2455 Mariner Square Drive Alameda, CA 94501 (510) 864-7427</p> <p><u>Menu:</u> Caesar Salad, Roasted Potatoes, Fresh Vegetables, Fresh Bread</p> <p>Salmone Picatta (Filet of Salmon, lemon butter sauce, sautéed mushrooms, capers, fresh basil)</p> <p>Pollo Pelicano (Pan-seared chicken breast, creamy sherry wine sauce, artichoke hearts, diced roma tomatoes, capers, fresh basil)</p> <p>Bolognese (hearty meat sauce, meatballs, fettucine)</p> <p>Penne Spring (Asparagus, green onion, peas, baby spinach, white wine, olive oil, parmesan sauce)</p> <p>Spumoni Ice Cream</p> <p>Coffee and Tea Included</p> <p>Reserve at the following web link by midnight, Monday, September 16, 2019: https://forms.gle/jJWdRieantvMzRFCA</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 Marcus Balanky CHP, CLSO SLAC mbalanky@slac.stanford.edu</p> <p>Past President Maranda Cimeno Genentech, Inc. cimeno.maranda@gene.com</p> <p>Secretary Heather Byrnes LLNL heather.sue.marie@gmail.com</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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