



### **LECM: Early-Career Workshop 2024**

For the first time ever, the Annual Low-Energy Community meeting (LECM) will offer a workshop for early-career researchers to be held August 7th from 1 - 3 pm. This workshop will offer a presentation on grant writing and a panel discussion on launching a new research program. See further details below:

#### **Find Your Funding: A Crash Course for Early-Career Scientists in Grant Writing**

Date/Time: August 7th 1-2pm

Description: Early-career scientists are often surprised by how essential—and frequent—securing funding is for their research. Grant writing can seem daunting and time-consuming, but mastering this skill early in your career can be incredibly advantageous. This grant writing workshop, designed by the LLNL Proposal Development Office, will give early career researchers in the low energy community the skills needed to write compelling grant proposals. In this session participants will learn how to identify funding opportunities and align their projects with funding priorities, develop strong narratives, create realistic budgets, and how to fulfill other requirements for submitting grant proposals.

#### **Navigating New Horizons: Wisdom from Fellow Early Career Researchers on Launching a Research Program**

Date/Time: August 7th 2 - 3pm

Description: This panel discussion will feature insights from early career researchers, exploring the challenges and transitions involved in moving from student or postdoc roles to managing a full research program. Attendees will gain valuable perspectives on navigating this critical career stage and strategies for success.

#### Biographies of Panelists:

Alexander Chemey (Oregon State University): Dr. Alexander “Sasha” Chemey is an Assistant Professor of Nuclear Science and Engineering at Oregon State University. His research group, the “Alchemey Lab,” was established in Fall 2021, with research studying all areas of heavy element chemistry and nuclear physics. He is a graduate of Michigan State University (BS Chemistry '15, BA Political Theory and Constitutional Democracy '15), Florida State University (PhD Nuclear Chemistry '19), and worked as a postdoctoral scholar with Prof. Walter Loveland at Oregon State University prior to his appointment in NSE.

Andrea Richard (Ohio University): Dr. Andrea Richard obtained her B.S. degree in Physics and Mathematics with minors in English and Engineering from Muskingum University in 2011. She obtained her M.S. degree in 2014 from Ohio University, where her focus was neutron time-of-flight spectroscopy of the deuteron breakup reaction. Andrea then completed her Ph.D. from Ohio University in 2018 focusing on in-beam and b-delayed gamma-ray spectroscopy of the  $A=33$  isobars in the  $N=20$  Island of Inversion. After obtaining her Ph.D., Andrea worked as a postdoctoral researcher at the National Superconducting Cyclotron Laboratory (NSCL) at Michigan State University as a Nuclear Science and Security Consortium Postdoctoral Fellow and then at Lawrence Livermore National Laboratory. Her work was primarily related to indirect neutron-capture constraints for the astrophysical  $i$ -process (intermediate neutron-capture process) and nuclear security applications using the beta-Oslo method and Surrogate Reaction Method at facilities like the NSCL, FRIB, CARIBU, and TRIUMF. Andrea is actively involved in mentoring, outreach, and diversity, equity, and inclusion initiatives. As of January 2024, Andrea is a tenure-track assistant professor at Ohio University in Athens, OH.

Kyle Godbey (Facility for Rare Isotope Beams): Kyle Godbey is a research assistant professor at the Facility for Rare Isotope Beams exploring nuclear structure and dynamics through the use of microscopic nuclear theory, advanced computing, and data science. Their main focus is on time-dependent descriptions of the quantum many-body dynamics and how they play a role in nuclear phenomena at scales spanning from the atomic nucleus to neutron stars.

Claus Mueller Gattermann (Argonne National Laboratory): Claus has a background in Accelerator Mass Spectrometry (AMS) and building common detectors used in these experiments. For his diploma thesis in physics (University of Cologne, Germany, 2015), he built a Time of Flight (ToF) system based on microchannel plates (MCPs) and set up the data acquisition. For his doctorate (Dr. rer. nat. in experimental physics, University of Cologne, Germany, 2019) he changed the topic to nuclear structure physics via gamma-ray spectroscopy. He soon became a known expert on lifetime measurements using Doppler-shift methods and designed new plunger devices used in these type of experiments. The targets require to have the best possible surface quality and need to be stretched within the device. Claus produced targets for local experiments and also in other laboratories, because they were too fragile for transport. Before moving to Argonne in 2020, he took the lead of the FN tandem accelerator complex in Cologne. The sputter samples he produced made new and more intense beams available for isotope production and nuclear structure studies.