



Division of Nuclear Chemistry and Technology
American Chemical Society

NUCL Webpage – <http://www.nucl-acs.org>

Program Chair, 2021
THOMAS ALBRECHT-SCHÖNZART
Florida State University
Tallahassee, FL 32306
Phone: (850) 644-3810
talbrechtschnoezart@gmail.com

Chair Elect, 2021
Program Chair, 2022
NATHALIE WALL
University of Florida
Gainesville, FL 32611
Phone: (352) 846-3300
nathalie.wall@ufl.edu

Vice Chair, 2021
Chair Elect, 2022
Program Chair, 2023
RICHARD WILSON
Argonne National Lab
Lemont, IL 60439
Phone: (630) 252-1288
rewilson@anl.gov

Secretary, 2020-2023
AMY HIXON
University of Notre Dame
ahixon@nd.edu

Treasurer, 2019-2021
BRIAN POWELL
Clemson University
bpowell@clemson.edu

Councilors
SILVIA JURISSON, 2019-2021
University of Missouri
jurissons@missouri.edu

GRAHAM F. PEASLEE, 2021-2023
University of Notre Dame
gpeaslee@nd.edu

Alternate Councilors
PAUL BENNY, 2021-2023
JULIE EZOLD, 2021-2023

Members-at-Large, Executive Committee
SUE CLARK, 2019-2021
DEBORAH PENCHOFF, 2021-2023

NEWSLETTER November 2021

Newsletter Editor: Andrew Klose
Email: andrew.m.klose@gmail.com

Topics

- > FROM THE CHAIR
- > COUNCILOR'S REPORT
- > UPCOMING PROGRAMMING
- > NUCL ELECTION CANDIDATES
- > NUCLEAR CHEMISTRY SUMMER SCHOOL, 2022
- > AWARDS NOMINATIONS COMMITTEE
- > JOB ADVERTISEMENTS

FROM THE CHAIR

Thomas Albrecht-Schönzart

Welcome to the Fall NUCL division newsletter. Our new strategic plan has been approved by the division and is available on our website (<https://www.nucl-acs.org/>). We are currently updating our website, and any new material of interest to the division should be sent to myself, Nathalie Wall, or Andrew Klose. In particular, I want to draw your attention to the DOE/ACS - Nuclear and Radiochemistry Summer Schools that many people in the division have benefitted from. More details on this follow in the newsletter, but please get the word out to your talented undergraduates. The deadline for applying is Feb. 1, 2022.

The Fall 2021 election of new NUCL division officers is just around the corner so be on the lookout for your electronic ballot from ACS. Some of our officers have graciously agreed to stay on to complete longer-term projects that are going on in the division. Two additional pieces of good news: First, the NUCL division has weathered the COVID storm better than most and our membership remains strong. Second, now that vaccinated international visitors are allowed to enter the U.S. again, we should start to see our in-person meetings returning to normal. Thus, the Spring 2022 ACS Meeting in San Diego might be the first opportunity for many of us to see each other again. I'm looking forward to seeing all of you soon.

COUNCILOR'S REPORT

Silvia Jurisson, Graham Peaslee

The ACS is governance structure is largely comprised of elected councilors that represent either Technical Divisions (20%) or Local Sections (80%). The Nuclear Division is large enough to have two ACS councilors who represent our interests at the Council Meeting held at every national meeting as well as on several sub-committees that discuss matters that impact the Division. Together with Nuclear Division members that represent local sections as Councilors, these Councilors funnel information from the ACS governance to Nuclear Division members and they also convey concerns from the membership to the ACS leadership.

The Fall 2021 ACS National Meeting was held in a hybrid format, with live presentations from 12-26 August in Atlanta, GA, and on-demand virtual content available from 30 August to 30 September. The ACS Council meeting was held virtually during the ACS meeting, on Wednesday 25 August 2021. There were 8205 registered attendees (1895 hybrid and 6310 virtual). There were ~1200 oral sessions of which 71 were in-person only, 244 hybrid and 6310 virtual. For those of you who attended the Fall 2022 ACS meeting (in-person, hybrid and/or virtual), we would like to hear any comments and suggestions for future ACS meetings that you have.

Silvia Jurisson continues as an Associate Member of the Committee on Economic and Professional Affairs (CEPA) and attended a Quarterly Meetings on 26 June and 7 August 2021. There was discussion on the upcoming Career Development classes (open to all ACS members but must register) and about Career Consultant initiatives (108 virtual consultations this year as of 08/06/2021 and 339 attendees have joined weekly zoom virtual office hours with Career Consultants this year. There has been good feedback from participants regarding the Career Consulting

initiatives. There was an update on the Salary & Employment Survey indicating that the gender gap in salaries continues at all levels; the final report should be out soon. Silvia Jurisson served on the ACS Future Meetings Taskforce, with the final report presented to the ACS Board of Directors following feedback from various ACS committees.

The Divisional Activities Committee (DAC) meeting (on which Graham Peaslee serves as a member) passed an important resolution on the re-structuring of Divisional funding – given that the percentage of member dues that gets returned to the Divisions was based partly on Division membership and partly on National Meeting attendance which did not occur for one year due to COVID-19, and is still strongly influenced by the pandemic. A restructuring of the resource allocation was proposed, refined and passed by Council this Fall. This restructuring will actually help the smaller Divisions such as Nuclear which did not have as much programming at National Meetings as some of the larger Divisions. Graham also worked on the extra call for Innovative Program Grants (IPGs) for Divisions, which is currently out. We have increased the funding level available from \$7500 to \$25000, and removed restrictions on the number of open IPGs during the pandemic, since many activities are on hold. If anybody has a good idea of what our Division can do to increase value for its members, given the structure of the post-pandemic world, the proposal form for IPGs is available on the ACS website and it is a relatively short proposal form (<3 pages) and requires only a letter of support from the Chair of our Division.

Council approved the Petition to Amend the Duties of the Committee on Minority Affairs, and it was approved by the Board of Directors. The Council and Board also approved the continuation of the Committee on Environmental Improvement, and the 10th

version of the Professional Employment Guidelines.

Council approved the 2022 Schedule of Membership at its Spring Meeting, and the new categories, benefits and rates will be in effect for 2022. The Board of Directors approved the ACS 2022 Spring and Fall Meetings in-person/hybrid registration fee at \$399 and the virtual member registration fee at \$199.

The following committee members were elected by electronic ballots as follows:

Council Policy Committee (CPC): Donna G. Friedman, Matthew Grandbois, Fran K. Kravitz, and Louise M. Lawter (2022-2024)

Committee on Committees (ConC): Mary K. Engelman, Malika Jeffries-El, Brian M. Mathes, Susan V. Olesik, and Susan M. Schelble (2022-2024)

Committee on Nominations & Elections (N&E): Allison Aldridge, Holly L. Davis, Peter K. Dorhout, Silvia Ronco, and Martin D. Rudd (2022-2024)

If you have any additional suggestions for the ACS, or concerns about anything ACS-related, please don't hesitate to contact your councilors who will do their best to let your voice be heard.

NATIONAL MEETING PROGRAMMING

SPRING 2022 – San Diego, CA

March 20 - 24

Theme: Bonding Through Chemistry

The 263rd ACS National Meeting & Exposition will be held March 20-24, 2022 in San Diego, CA. Please contact Tara Mastren (Tara.Mastren@utah.edu) If you have any questions.

- **Young Investigators in Nuclear and Radiochemistry**
Organizer: Sarah Finkeldei
(sfinkeld@uci.edu)
- **General Topics in Nuclear Chemistry and Technology**
Organizers: Thibaut Lécivain
(Thibaut.Lecrivain@inl.gov),
Vasileios Anagnostopoulos
(Vasileios.Anagnos@ucf.edu) and
Luke Sadergaski
(sadergaskilr@ornl.gov)
- **Production and Application of Radioisotopes**
Organizers: Justin Griswold
(griswoldjr@ornl.gov) and
Jonathan Burns (burnsjon@uab.edu)
- **Radiochemical Separations**
Organizers: Dustin Demoin
(Dustin.Demoin@ezag.com) and
Michael Fassbender
(mifa@lanl.gov)
- **Artificial Intelligence Applications in Nuclear and Radiochemistry**
Organizers: Deborah Penchoff
(dpenchof@utk.edu),
Charles C. Peterson
(cpeterson@oarc.ucla.edu)
- **Computational Methods for Lanthanides and Actinides**
Organizers: Deborah Penchoff
(dpenchof@utk.edu),
Charles C. Peterson
(cpeterson@oarc.ucla.edu) and
Theresa Windus (twindus@iastate.edu)
- **Seaborg Award Symposium in honor of Carolyn J. Anderson**
Organizers: Robert Mach
(rmach@pennmedicine.upenn.edu) and
Silvia Jurisson
(JurissonS@missouri.edu)

NUCL EXECUTIVE BOARD CANDIDATES

Election of officers for the NUCL Division of the ACS will occur later this year. Below are the candidates for open positions on the Executive Committee.

NUCL Vice Chair 2022 (Chair Elect 2023, Chair and Program Chair 2024, Immediate Past Chair 2025)

Luther McDonald, *University of Utah*
Justin Walensky, *University Missouri-Columbia*

Treasurer (2022 – 2024)

Brian Powell, *Clemson University*

Councilor (2022 – 2024)

Silvia Jurisson, *University of Missouri*

Member-at-Large (2022 – 2024)

Jim Boncella, *Washington State University*
Glenn Fugate, *Pacific Northwest National Lab*

Candidate Biographies and Statements

Dr. Luther McDonald is an associate professor in the Department of Civil and Environmental Engineering and the Nuclear Engineering Program at the University of Utah (UU). He joined the UU in January 2014 and has led the development of a radiochemistry laboratory, mentoring over forty students, and managing research projects from NEUP, DTRA, NNSA, and DHS. Simultaneously, McDonald served as the University Director of the Department of Homeland Security's Nuclear Forensics Undergraduate Summer School in 2016 – 2017. Prior to joining the UU, McDonald performed a post-doctoral fellowship at Pacific Northwest National Laboratory in National Technical Nuclear Forensics, worked as a visiting scientist at the Commissariat à l'énergie atomique in Saclay, France, and completed his Ph.D. at Washington State

University in Radiochemistry. He served at the elected Secretary of the American Chemical Society's Division of Nuclear Chemistry and Technology from 2013 – 2016 and was named one of Forbes 30 under 30 in Science in 2017.

Dr. Justin Walensky was born in Albany, New York and he moved with his family to Florida in high school. He received his B.A. Chemistry in 2005 from New College of Florida. His undergraduate research was primarily done at Lawrence Livermore National Laboratory under the direction of Dr. Annie Kersting. He obtained his Ph.D. Chemistry from the University of California, Irvine with Dr. William Evans and was a Glenn T. Seaborg Fellow at Los Alamos National Laboratory (with Dr. Richard Martin) before graduating in 2009. In 2010, he was a postdoctoral fellow with Dr. Michael Hall at Texas A&M University. He moved to the University of Missouri in 2011, was promoted to Associate Professor in 2016, and Professor in 2021. He has served as Associate Chair for Undergraduate Studies (2015-2021) and is currently Chair of the department of chemistry at MU. Justin's primary research interests are the coordination chemistry, bonding, and reactivity of actinide complexes, particularly thorium, uranium, and neptunium. He has been awarded a Nuclear Forensics Junior Faculty Award from the Department of Homeland Security, an Early Career Award from the Department of Energy, and an Alexander von Humboldt Research Fellowship.

Dr. Brian Powell received his Ph.D in Environmental Engineering and Science from Clemson University in 2004. He held postdoctoral positions in the Actinide Chemistry Group at Lawrence Berkeley National Laboratory and the Glenn T. Seaborg Institute at Lawrence Livermore National Laboratory before returning to Clemson University in 2008. Brian is the Fjeld Professor of Nuclear Environmental

Engineering and Science and oversees research focused on understanding and prediction of the physical, chemical, and biological processes which govern the mobility of heavy metals and radionuclides in natural and engineered systems. Brian has been active ACS member within the nuclear, geochemistry, and environmental chemistry divisions and organized multiple symposia in each division. He has served as treasurer of the NUCL Division since 2017.

Dr. Silvia S. Jurisson earned her B.S. in Chemistry from the University of Delaware in 1978 and her Ph.D. in inorganic and radiopharmaceutical chemistry at the University of Cincinnati with Professor Ed Deutsch in 1982. She had postdoctoral training at the University of New South Wales (1983-1984) with Professor W. Greg Jackson, the Australian National University (1984) with Professor Alan M. Sargeson, and the University of Missouri (1984-1986) with Professor David E. Troutner. She spent 5 years in the pharmaceutical industry at Squibb/Bristol-Myers-Squibb before beginning her academic career at the University of Missouri in 1991 and where she is now a Chancellor's Professor of Chemistry and Radiology, and Senior Research Scientist at the University of Missouri Research Reactor. She has been involved in inorganic and radiochemistry with applications to radiopharmaceutical chemistry, radioenvironmental chemistry, and biological systems. She serves on the editorial boards of *Nuclear Medicine and Biology* and the *Journal of Nuclear and Radioanalytical Chemistry*, and is an Associate Editor of *Radiochimica Acta*. She is the Chair of the Campus Radiation Safety Committee, and serves on the Reactor Advisory Committee at the University of Missouri. She is a member of the Advisory Committee of TRIUMF (ACOT) and the Nuclear Science Advisory Committee (NSAC). She was awarded the Glenn T. Seaborg Award for Nuclear Chemistry from the American Chemical Society in 2012, the

College of Arts & Science Purple Chalk Teaching Award in 2013, and was elected as a Fellow of the American Association for the Advancement of Science in 2014, a Fellow of the American Chemical Society in 2016, the Gold Chalk Award from the Graduate School in 2017, and the John H. Hubbell (Elsevier) and TERACHEM Awards in 2018. She currently serves as a Councilor for the Nuclear Division of the American Chemical Society (ACS), where she is a member of the Committee on Economic and Professional Affairs (CEPA). Her current research involves target development, radionuclide production, separations, chelate synthesis, coordination chemistry, and radiotracer chemistry.

Dr. Jim Boncella received his B.A. degree in chemistry from the College of Wooster, Wooster, OH and his Ph.D. in inorganic chemistry from the University of California, Berkeley, working under the mentorship of Professor Richard A. Andersen. After a two-year Post-doctoral fellowship with Professor Malcolm L. H. Green at Oxford University, UK, he joined the faculty in the department of Chemistry at the University of Florida in 1986.

While at Florida, he developed research programs in fundamental organometallic chemistry and metal catalyzed polymerization reactions and was promoted through the ranks to full professor in 2000. He moved from UF to Los Alamos National Laboratory in 2003 where his research was focused on organoactinide chemistry, fuel cell membranes and catalysis, chemical origins of life and national security applications. He was a deputy group leader and was elected a Los Alamos National Laboratory Fellow in 2018 and a Fellow of the American Chemical Society in 2017. He joined the faculty at Washington State University in August of 2019 where he is a Professor in the department of Chemistry and the Director of the WSU-Pacific Northwest National Laboratory Nuclear Science and Technology Institute. Over the course of his career, he has

mentored 26 grad students and 27 post-doctoral fellows and was named a PNNL fellow in 2020.

He has extensive experience with ACS governance through the ACS Division of Inorganic Chemistry (DIC). He served as DIC alternate councilor from 2011-2014, DIC chair-elect, chair and past-chair from 2014-2017, and then DIC member at large 2017-2019.

Dr. Glenn A. Fugate received his B.S. in Chemistry in 1996 from Tennessee Technological University and his Ph.D. in Inorganic Chemistry in 2004 from the Florida State University. He has held research associate positions at Clemson University (2003-2005) focused on environmental chemistry and the nuclear fuel cycle and at Washington State University (2005-2006) focused on Tc and Re radiopharmaceutical compounds. Glenn joined Savannah River National Laboratory in 2005 where he was involved in a range of research involving separations science, analytical method development, and nuclear fuel cycle facility processes and effluents. In 2015, he moved to Oak Ridge National Laboratory where he focused predominantly on reactive gas chemistry including uranium hexafluoride and rose to become a Group Leader of the Uranium Process Chemistry Group. He is currently transitioning into a senior staff position at Pacific Northwest National Laboratory to focus on nuclear forensics and nuclear fuel cycle facility processes and effluents.

Glenn has been an active member of the ACS and the I&EC and DNCT divisions since 1993, including holding leadership positions within the Savannah River Local Section (Chair 2010), the Separation Science & technology Subdivision (of I&EC, Chair 2011), and the I&EC Division (Chair 2019). He has played an active role in programming within both the I&EC and DNCT divisions, having co-organized 11 symposia at national and

regional meetings. Glenn was awarded the title of Fellow of the ACS in 2019.

2022 NUCLEAR CHEMISTRY SUMMER SCHOOL

Lynn Francesconi

We are soliciting applications for the Nuclear Chemistry Summer School for summer, 2022. The Nuclear Chemistry Summer School (NCSS) is an intensive six-week program for undergraduates. The NCSS is funded by the Department of Energy, Office of Science and administered by the American Chemical Society. The program consists of an undergraduate course with lectures on the fundamentals of nuclear science, radiochemistry, and their applications in related fields. Laboratory exercises introduce state-of-the-art instrumentation and technology used in basic and applied nuclear science. In addition to the formal instruction, the course includes a Guest Lecture Series and field trips to university research centers, National Laboratories, and other nuclear facilities. Students meet and interact with prominent scientists who are working in nuclear and radiochemistry, nuclear fuel cycle, nuclear medicine, nuclear forensics, and related fields.

This summer, 2022, we plan to run the NCSS on-site at San Jose State University (12 students) and Brookhaven National Laboratory (12 students). Students will be provided a stipend of \$4,000, all tuition and fees, transportation to and from the Summer School location, housing, books, and laboratory supplies. Transferable college credit is awarded through the ACS accredited chemistry programs at San Jose State University (7 units) or the State University of New York at Stony Brook (6 units).

Please advertise the NCSS 2022 to your students. Interested students may apply at: https://www.nucl-acs.org/?page_id=1731

(Summer School, con't)

The deadline for applications, receipt of transcript and two letters of recommendation is February 1, 2022. A flyer is attached as the last page of this newsletter.

AWARDS NOMINATIONS COMMITTEE OF NUCL

Thomas Albrecht-Schönzart

The Awards Nominations Committee of the Division was formed to encourage and facilitate nominations for national ACS awards. Please consider nominating a colleague for an ACS Award.

<https://www.acs.org/content/acs/en/funding-and-awards/awards/national.html>).

NUCLEAR ENGINEERING FACULTY POSITION AVAILABLE

The **Department of Nuclear Engineering at the University of Tennessee, Knoxville (UTK)** is seeking applications to fill a tenure-track faculty position at the Assistant or Associate Professor level starting August 1, 2022. Duties will include teaching undergraduate and graduate courses in nuclear engineering-related subjects, generating externally funded research, advising graduate students, writing scholarly journal articles, and providing service to the department, college, university, and community. Applicants must have a doctorate in Nuclear Engineering or a closely related field by the effective date of appointment. Applicants should be able to contribute to existing courses and research activities in nuclear engineering, as well as to develop new avenues of research and teaching. Strong candidates with a background in radiochemistry and isotope production will be considered. This faculty position is aligned with the department's strategic initiative to grow in the area radiochemistry/isotopes to expand graduate student training opportunities to align with national needs in nuclear medicine, expand nuclear power generation, protect against external nuclear threats, stockpile stewardship, and/or manage nuclear wastes. Preference will be given to candidates who have demonstrated research success that complements existing University of Tennessee strengths with the vision to develop collaborative research activities, are committed to high-quality undergraduate and graduate student education, and possesses the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. Applications should be submitted electronically, following instructions found at <http://apply.interfolio.com/97413>. Applications should include (1) a curriculum vitae, (2) a select subset of publications, (3) a statement of research interests, (4) a statement of teaching interests, (5) a statement of how the applicant will support diversity and inclusion in the department, (6) a letter articulating the applicant's interest in and qualifications for this position, and (7) the names of three to five references. Applications will be reviewed continuously, but those received by January 31, 2022 will receive priority. Any additional questions may be sent to Dr. Eric Lukosi (search committee chair) at elukosi@utk.edu.

The University of Tennessee Nuclear Engineering Department is part of the Tickle College of Engineering, which has the fastest growing PhD program among the Top 40 public colleges of engineering and is ranked 32nd amongst public institutions in 2022. The department has a diverse research portfolio and is the largest Nuclear Engineering PhD program in the United States with over 110 PhD students and over \$12M in annual research expenditures, earning it a rank of 7th by US News in 2021. According to ASEE, it also has the second largest undergraduate program. The department is currently moving into a new \$129M building that will house 23 new nuclear engineering laboratories, which includes a radiochemical teaching and research laboratory that will be available to the successful candidate. UTK has close collaborations with ORNL and Y-12 and is located close to the beautiful Smoky Mountains. The Nuclear Engineering Department is committed to cultivating work/life balance and a family-friendly work environment for faculty, staff, and students.

The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status, or any other characteristic protected by federal or state law. In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, the University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the university. Inquiries and charges of violation of Title VI (race, color, and national origin), Title IX (sex), Section 504 (disability), the ADA (disability), the Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity, 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone 865-974-2498. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.

Two Postdoctoral Positions at Oak Ridge National Laboratory:

Overview:

Oak Ridge National Laboratory is the largest US Department of Energy science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security.

We are seeking a Postdoctoral Research Associate in the area of separations science who will support the Emerging Isotopes Research Group in the Radioisotope Science & Technology Division (RSTD), Isotope Science & Engineering Directorate (ISED) at Oak Ridge National Laboratory (ORNL). In this role you will synthesize and characterize small organic compounds used in the separation of metals followed by testing via liquid-liquid or solid-liquid separation methods.

The Emerging Isotopes Research Group is responsible for the development and evaluation of advanced radioisotope separation techniques to be applied toward efficient and cost-effective radioisotope production. RSTD is a global leader in actinide science, delivering innovations in isotope production technology, enabling ORNL to produce and rapidly deliver radioisotopes for science, medicine, industry, and security.

More Information:

Requisition Id 6343

<https://jobs.ornl.gov/job/Oak-Ridge-Postdoctoral-Research-Associate-Separations-Chemistry-TN-37830/776002900/>

Overview:

Oak Ridge National Laboratory is the largest US Department of Energy science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security.

We are seeking a Postdoctoral Research Associate who will support the Isotope Applications Research Group in the Radioisotope Science and Technology Division (RSTD), Isotope Science and Engineering Directorate (ISED) at Oak Ridge National Laboratory (ORNL) in the area of actinide science. In this position, you will synthesize new actinides complexes and utilize advanced characterization techniques. The Isotope Applications Research Group is involved in advancing radioisotope technologies, for medical, industrial, research and national security applications.

RSTD is a global leader in actinide science, delivering innovations in isotope production technology, enabling ORNL to produce and rapidly deliver radioisotopes for science, medicine, industry, and security.

More Information:

Requisition Id 7008

https://jobs.ornl.gov/job/Oak-Ridge-Postdoctoral-Research-Associate-Actinide-Chemistry-TN-37830/811492300/?locale=en_US

Postdoctoral Fellowship at the University of Texas MD Anderson Cancer Center
[Apply via Slate](#)

Req #: 710509-202108161755

The department of Cancer Systems Imaging (CSI) is one of the largest new programs at The University of Texas MD Anderson Cancer Center within the Division of Diagnostic Imaging. The goal of this department and its research program is to develop new methodologies to visualize the cellular, biochemical, and genetic processes that contribute to the development and progression of cancer and to translate these discoveries into the clinic.

Dr. Charles Manning's laboratory focuses on the discovery and translation of radiopharmaceuticals for a wide-variety of uses in oncology and drug development. Trainees in the Manning lab are encouraged to participate in comprehensive, 'bench-to-bedside-to-bench' programs of research aimed at the discovery, prioritization, translation, and early clinical implementation of novel radiopharmaceuticals ranging from diagnostics to therapeutics. Trainees in the Manning lab access exceptional facilities dedicated to radiopharmaceutical science located in the Center for Advanced Biomedical Imaging (CABI) and Cyclotron Radiochemistry Facility (CRF). In particular, the CABI/CRF infrastructure enables seamless transition from radiopharmaceutical discovery to translation in one location.

Currently, we are seeking motivated individuals for NIH- and CPRIT-funded post-doctoral fellowship experiences in radionuclide theranostics with radiochemistry emphasis. Trainees will have the opportunity to develop and lead exciting, multi-disciplinary projects along the entire compendium of theranostics discovery and translation. In addition to research, training experiences will include unique education programs foundational to Theranostics, such as developmental radiochemistry, tracer adjudication and prioritization, preclinical and clinical molecular imaging, and advanced imaging physics.

Eligibility Requirements:

The ideal candidate would have a Ph.D. in chemistry, medicinal chemistry, or radiochemistry from an accredited institution of higher learning, with interest in developing specialized, multi-disciplinary skills in preclinical and clinical quantitative PET imaging, radiopharmaceutical translation, and theranostics.

Mentor Matching:

This position reports to [H. Charles Manning, Ph.D.](#) [View Dr. Manning's research profile.](#)

Additional Application Information:

Please direct any questions to CSIEducation@mdanderson.org.



OPEN RANK (ASSISTANT PROFESSOR – PROFESSOR) RADIOCHEMISTRY

The Department of Chemistry at HUNTER COLLEGE OF THE CITY UNIVERSITY OF NEW YORK (CUNY) invites applications for a full-time, tenure-track position in Radiochemistry beginning Fall, 2022 at the Assistant, Associate, or Professor rank. Applications are encouraged from candidates with research interests in fundamental and applied aspects of radiochemistry and nuclear chemistry. These include research related to nuclear fuel cycle, environmental remediation, plant biology and biofuels, radioanalytical chemistry, radiometal chemistry, and nuclear medicine.

Candidates must have a Ph.D. (or equivalent) degree in Chemistry, Biochemistry, or related discipline. A strong research program that can attract graduate and undergraduate students is essential. Postdoctoral research experience is a plus. Candidates should have an outstanding record of scholarly publications commensurate with their career trajectory. The potential to obtain external funding is necessary for junior rank and a history of such funding required for more senior candidates.

Responsibilities include establishing a rigorous research program, teaching undergraduate and graduate courses in areas related to the candidates scholarly and research interests, advising students and supervising graduate and undergraduate student research. The committee will begin reviewing applications on November 15, 2021. The search will remain open until the position is filled.

You can view and apply for this job at:

https://home.cunyfirst.cuny.edu/psp/cnyepprd/GUEST/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&Action=A&JobOpeningId=22784&SiteId=1&PostingSeq=1

A complete application includes a cover letter, curriculum vitae, publication list, statement of research plans (not to exceed eight pages) statement of teaching philosophy (not to exceed two pages), and a statement describing commitment and plans to increase diversity and inclusivity in the discipline (not to exceed one page). Applicants must provide the names and contact information of three individuals who will provide letters of recommendations.

**San Jose
State
University**
San Jose, CA

**Brookhaven
National
Laboratory**
Long Island, NY

EARN CASH & COLLEGE CREDIT

The US Department of Energy (DOE) and Division of Nuclear Chemistry & Technology of the American Chemical Society (ACS) are sponsoring two INTENSIVE six-week Summer Schools in Nuclear & Radiochemistry for undergraduates. Funding is provided by the US Department of Energy.

Candidates should be undergraduates with an interest in nuclear science who are presently in their sophomore or junior year of study at a US college or university. They should have completed at least two years of chemistry, one year of physics, and one year of calculus. Applicants must be US citizens.

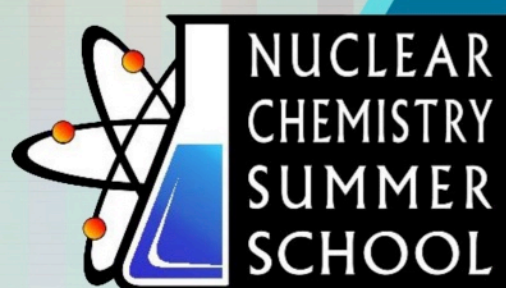
DOE & ACS Nuclear & Radiochemistry Undergraduate Summer Schools

**June 13, 2022
through
July 24, 2022**

Fellowships include a \$4000 stipend, all tuition and fees, transportation to and from the Summer School location, housing, books, and laboratory supplies. Transferable college credit will be awarded through the ACS accredited chemistry programs at San Jose State University (7 units) or the State University of New York at Stony Brook (6 units).

Completed applications must be received no later than February 1, 2022.

Each Summer School is limited to 12 students. Announcement of awards will be made in early March 2022.



For more information, contact:
Prof. Lynn C. Francesconi, Director

Nuclear & Radiochemistry Summer Schools
Department of Chemistry
Hunter College of the City University of New York
New York, NY 10065

Phone (212) 772-5353 • Fax (212) 772-5332 • lfrances@hunter.cuny.edu

Online application forms are available
at https://www.nucl-acs.org/?page_id=1731