



Division of Nuclear Chemistry and Technology
American Chemical Society

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

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NEWSLETTER

July 2017

Newsletter Editor: Andrew Klose
Email: andrew.klose@augie.edu

Topics

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- > UPCOMING PROGRAMMING
- > AWARD NOMINATIONS COMMITTEE OF NUCL
- > JOB OPENINGS

FROM THE CHAIR

Lætitia Delmau

I hope that this newsletter won't interrupt your vacation and make you realize that "back-to-school" is just around the corner! It feels that the Spring meeting just ended and we are about one month away for the fall meeting in Washington, DC. I hope to see many of you there. Please note that all the sessions will be held at the Grand Hyatt and some of you might be pleased to see that they will be co-located with the I&EC Division sessions, as some of our interests may overlap. One symposium, Structural and Supramolecular Aspects of Metal Ion Separation, is actually co-organized with I&EC. Our technical program will run for all 5 days, starting with the General topics in Radiochemistry and ending with Nuclear Forensics. The other two symposia are Material Science in Nuclear Waste Disposal and Chemistry past Curium. One major change from previous years is that we will hold our business meeting and the social hour that will immediately follow outside the convention center/hotels reserved by the ACS. The executive committee has taken a close look at way to cut costs, primarily to maintain the funding of the Seaborg Award. The costs and fees associated with the 2 social hours organized at both the Spring and Fall meetings were sometimes nothing less than exorbitant due to the exclusivity convention centers and conference hotels have. We have decided to look into having the social hour catered by a local restaurant.

One NUCL member, Annie Kersting, has stepped up to the plate and is looking into options for DC. I want to thank her for taking care of this with a somewhat short notice. You will receive a separate e-mail prior to the meeting to let you know the location of the venue.

The Division also had a presence at the NORM meeting held at the end of June in Corvallis, OR and organized by Janet Bryant. NUCL was a co-sponsor of a full day of programming through a session organized by Sam Bryan and Amanda Lines of PNNL.

The program is essentially in place for the Spring meeting in New Orleans. Please contact Lynn Francesconi with suggestions for the Fall meeting in Boston or Jen Braley with ideas for the 2019 meetings.

I look forward to seeing you in Washington, DC!

NATIONAL MEETING PROGRAMMING

FALL 2017 – Washington, DC

August 20-24, 2017 (*Jeff Terry*)

Theme: Chemistry's Impact on the Global Economy

The 254th ACS National Meeting & Exposition will be held August 20-24, 2017 in Washington, D.C. Abstract submission for the Fall 2017 National Meeting has passed. Please contact Jeff Terry (terryj@iit.edu) for more information. The following symposia are sponsored by the NUCL division:

- **Materials Science in Nuclear Waste Disposal**

Organizers:

*Thomas E. Albrecht-Schmitt,
David E. Hobart,
and Ines Triay*

- **Chemistry Past Curium Symposium**

Organizers:

*Thomas E. Albrecht-Schmitt,
Christoph Düllmann,
and David E. Hobart*

- **Nuclear Forensics**

*Organizers: John Auxier,
Kristi Pellegrini,
and Jordan Corby*

- **General Topics in Radiochemistry**

Organizer: Lætitia Delmau

SPRING 2018 – New Orleans, LA

March 18-22, 2018 (*Amy Hixon*)

Theme: The Food, Energy, Water Nexus

The 255th ACS National Meeting & Exposition will be held March 18 - 22, 2018 in New Orleans, Louisiana. Please contact Amy Hixon (ahixon@nd.edu). Abstracts for the following symposia will be due October 16, 2017.

- **Actinide Complexes and Nanoclusters**

*Organizers: Karah Knope
and Tori Forbes*

- **Computational Methods for Lanthanides and Actinides: Theory and Applications**

Organizer: Deborah Penchoff

- **General Topics in Nuclear Chemistry and Technology**

Organizer: Lynn Francesconi

- **Isotope Harvesting at Accelerator Facilities**

*Organizers: Todd Bredeweg,
Gregory Severin,
and Graham Peaslee*

- **Young Investigators Symposium**
*Organizers: Ralk Sudowe
and Todd Bredeweg*
- **Seaborg Award Symposium**

FALL 2018 – Boston, MA
August 19-23, 2018 (*John Auxier II*)
Theme: Nanotechnology

The 256th ACS National Meeting & Exposition will be held August 19-23, 2018 in Boston, MA. We are looking for symposium ideas and symposium chairs for this meeting. Please contact John Auxier II if you are interested. (jauxier@utk.edu).

SPRING 2019 – Orlando, FL
March 31 – April 4, 2019 (*Amy Hixon*)
Theme: Chemistry for New Frontiers

The 257th ACS National Meeting & Exposition will be held March March 31 - April 4, 2019 in Orlando, Florida. We anticipate that the call for papers will be due in July 2018 and are looking for symposium ideas and chairs beyond those listed below. Please contact Amy Hixon (ahixon@nd.edu) if you are interested in volunteering.

- **Crosscutting Research in Environmental Radiochemistry and Nuclear Forensics**
*Organizers: Luther McDonald,
Amy Hixon*
- **Young Investigators Symposium**
Organizers: Alison Tamasi
- **Seaborg Award Symposium**

FALL 2019 – San Diego, CA
August 25 - 29, 2019 (*John Auxier II*)
Theme: Chemistry of Water

The 258th ACS National Meeting & Exposition will be held August 25-29, 2019 in San Diego, CA. We are looking for symposium ideas and symposium chairs for this meeting. Please contact John Auxier II if you are interested. (jauxier@utk.edu). Tentatively planned symposia include:

- **Celebration of the centennial of Rutherford's first nuclear reaction**
Looking for Session Chairs

AWARDS NOMINATIONS COMMITTEE OF NUCL
Steve Yates

The Awards Nominations Committee of the Division was formed to encourage and facilitate nominations for national ACS awards. Please nominate a colleague for one of the awards given below or another ACS award (<http://www.acs.org/content/acs/en/funding-and-awards/awards/national.html>).

ACS Fellows

(<http://www.acs.org/content/acs/en/funding-and-awards/fellows.html>) -- Nominations can be initiated by individuals; however, the Division can nominate up to four individuals as ACS Fellows annually. Nominations for the 2018 class of Fellows are scheduled to open early 2018.

*W. Frank Kinard Distinguished Service
Award*

This award, established in 2014, recognizes NUCL members for outstanding service to the Division and the field of nuclear science -- Nomination procedures are given on the NUCL website (http://www.nucl.acs.org/?page_id=611) and the next deadline is July 1, 2018.

*Glenn T. Seaborg Award for Nuclear
Chemistry*

(<http://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic/glenn-t-seaborg-award-for-nuclear-chemistry.html>) -- Nominations are initiated by individuals and the procedures are given on the ACS website. The next deadline is November 1, 2017.

Suggestions and questions should be addressed to Steve Yates (yates@uky.edu; 859-257-4005).

Charles D. Coryell Award

Please note that the award deadline for the Coryell Award for undergraduate research is September 1st. Any undergraduate who has been actively doing research in the nuclear chemistry field in the previous year is eligible for consideration of this award. To nominate a student for this award (which includes a certificate and a \$1000 check), please submit a sample of the student's work (in the form of a written report or a publication), together with a nomination letter from the research mentor that describes the extent and the nature of the student's involvement in the research. All the application materials should be emailed to Graham Peaslee (gpeaslee@nd.edu) before September 1, 2017.

POSTDOCTORAL RESEARCHER OPENING

Lawrence Livermore National Laboratory

We are looking to hire a talented and dynamic postdoctoral fellow (2-3 years) who wants to work in a collaborative environment, and carry out cutting-edge research on understanding the mechanistic behavior and biogeochemical controls on Pu and other actinides in soil and groundwater. Please forward this email to anyone you think might be interested.

Description:

We have an immediate opening for a postdoctoral research staff member. We are seeking an environmental radiochemist, chemist or geochemist to study, characterize and model the geochemical behavior of radionuclides in the environment using advanced spectroscopic and analytical techniques.

The candidate will design, conduct and oversee laboratory and possibly field experiments involving sorption/desorption kinetics of actinides on mineral surfaces in the presence of dissolved organic matter and microorganisms. The candidate is expected to apply advanced spectroscopic and analytical techniques (e.g. TEM, SEM, NanoSIMS, EXAFS, XRD, ICP-MS) to characterize laboratory and field samples and develop conceptual and numerical models of actinide behavior in groundwater.

The candidate will work in an interdisciplinary research team environment that is investigating the biogeochemical processes that control the behavior of actinides in the surface-subsurface. The candidate will be part of the Glenn T. Seaborg Institute, located in Livermore CA.

LLNL offers competitive salaries and full benefits, with postdoc salaries starting at \$86,400, depending on experience. You must have received your PhD within the last 5 years.

Please let us know if you are interested, and you can apply through our website. You can google 'jobs LLNL' or:

<http://careers-ext.llnl.gov/jobs/search>

type in the ID number:

Job Opening ID: 102318

Posting Title: Postdoctoral Research Staff Member

**FACULTY POSITION IN NUCLEAR CHEMISTRY
AND/OR RADIOCHEMISTRY
at the University of California, Irvine**

The Department of Chemistry at the University of California, Irvine invites applications from outstanding individuals for a tenure-track position at the Assistant Professor level in the broad field of Nuclear Chemistry and/or Radiochemistry. Candidates must have a PhD in Chemistry or a related field; postdoctoral experience is desirable. The position requires the establishment of a vigorous research program involving any aspect of Nuclear Chemistry or Radiochemistry, development of ideas for utilization of the department's nuclear reactor facility, and a strong commitment to excellence in teaching areas of general chemistry and radiochemistry at both the undergraduate and graduate levels. Applications must be submitted electronically via the Internet at <http://recruit.ap.uci.edu/apply/JPF04002>. Applicants should upload a cover letter, a curriculum vita (including a publication list), and a concise statement of proposed research. A separate statement that addresses past and/or potential contributions to diversity, equity and inclusion should also be included in the application materials. At least three letters of recommendation are required. Applications and supporting materials should be received by September 30, 2017 for full consideration.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.