August 15th - August 19th, 2022

Department News

Final Thesis Defense

Monday, August 15th, 2022 11:30 AM

Christine H.
Christian Haas

“A Classical Analysis of the Cu(bpy)$_3^{2+}$ Electrochemical Mechanism in Water and Dichloromethane”

S107 PBB

Department of Chemistry

Kick Off The Semester Picnic

Saturday, August 20
11:00 am to 3:00 pm
Lower City Park Shelter #6

- Lunch begins at 11:30 am
- Grilled hamburgers, hot dogs, bratwurst, and vegetarian patties
- Drinks provided
- Bring a dish to share if you’d like
- Come rain or shine

City Park
200 E. Park Road, Iowa City
North of Hancher Auditorium
UI Global Student Award Nomination Request

International Programs invites nominations for the 2022 Global Student Awards. These awards recognize one undergraduate and one graduate student who are deeply engaged in international education on campus or abroad. The awards will be presented during the WorldCanvass program on Monday, November 7, 2022, a prelude to International Education Week (November 14-19).

Candidates should be currently enrolled University of Iowa undergraduate or graduate students who champion international education on campus or abroad. They may be international or U.S. students. Important qualifying attributes may include:

- Demonstrated commitment to celebrating and promoting different cultures, identities, and international perspectives
- Leadership in fostering collaboration and coalition building between people and groups from international backgrounds
- Openness about their personal experiences and perspectives in support of global understanding and inclusion within their community and field of study
- Ability to use their own international education experiences to empower their peers to enrich their global understanding and inclusion

RSVP
https://uiowa.qualtrics.com/jfe/form/SV_OrnzXxvPLnYnYHs
The nomination form will ask that you identify the student (name and email) and describe your association with the nominee along with a brief description of why you consider this person worthy of the award. Nominated students will be contacted directly by International Programs to obtain further information, including other experiences/organizations/programs they have engaged in as a student at the UI that have further demonstrated their commitment to international education.

Nominations for the 2022 Global Student Award will be accepted until Saturday, October 1, 2022, and can be made through this link: https://international.uiowa.edu/global-student-award-nomination-form.

More information about the Global Student Award, including previous recipients, may be found on the Global Student Award webpage: https://international.uiowa.edu/about/outreach/campus-community-programs/global-student-award.

**Reminder: Fall 2022 Workshop Schedule**

Please mark your calendars and share with relevant faculty and staff. CLAS has also posted these workshops on the DEO calendar.

Workshops (sorted by date):

<table>
<thead>
<tr>
<th>Workshop Name</th>
<th>Location</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promotion and Tenure Process Workshop for DEOs and Admins</td>
<td>Zoom</td>
<td>Tuesday, 08/30</td>
<td>2:30 - 4:30</td>
</tr>
<tr>
<td>Newly Promoted to Full Professor Workshop</td>
<td>Zoom</td>
<td>Thursday, 10/06</td>
<td>2:00 - 4:00</td>
</tr>
<tr>
<td>Newly Tenured Workshop</td>
<td>Zoom</td>
<td>Thursday, 10/20</td>
<td>2:00 - 4:00</td>
</tr>
<tr>
<td>Faculty Review Workshop</td>
<td>Zoom</td>
<td>Tuesday, 10/25</td>
<td>2:00 - 4:00</td>
</tr>
<tr>
<td>Preparing for Promotion to Full Professor Workshop</td>
<td>Zoom</td>
<td>Tuesday, 11/01</td>
<td>2:00 - 4:00</td>
</tr>
<tr>
<td>Newly Promoted to Associate Professor of Instructional Track Workshop</td>
<td>Zoom</td>
<td>Thursday, 11/03</td>
<td>2:00 - 4:00</td>
</tr>
<tr>
<td>Preparing for Promotion to Full Professor Workshop</td>
<td>Zoom</td>
<td>Thursday, 11/10</td>
<td>2:00 - 4:00</td>
</tr>
<tr>
<td>Preparing for Instructional Track Promotion Workshop</td>
<td>Zoom</td>
<td>Wednesday, 11/16</td>
<td>2:00 - 4:00</td>
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</tbody>
</table>

Registration for workshops can be found at https://clas.uiowa.edu/deos/workshop-registration.

Questions can be sent to Kaitlyn Behan (kaitlyn-kampion@uiowa.edu).

**Graduate Fellowships**

Each year the Graduate College and CLAS have a series of Fellowships for graduate students, and these opportunities are listed below. These are highly competitive fellowships, but the students from our department have received them most years. I wanted to put this on the radar of our students and faculty so you can consider applying for them. More information will come out in future Friday emails about where to send your applications. You can check the submission deadlines, which are around November 15.
CLAS NSF GRFP Informational Session

The College of Liberal Arts and Sciences will be hosting an NSF Graduate Research Fellowships Program informational session on Friday, September 2, at 10:00-11:30 in 2520D UCC. Collegiate leadership, a student panel, and a faculty panel will be providing information and attendees will have the opportunity to ask questions about this program and process. Please register for this event at https://bit.ly/UIGRFPCLAS. Snacks and drinks will be provided.

MLA Public Humanities Incubator for Grad Students: Application Open!

We are currently accepting applications for the MLA Public Humanities Incubator, a new program for graduate students interested in public humanities. Any humanities graduate student is encouraged to apply, including MA & PhD students, as well as students working towards advanced certificates. Applications from individuals or teams are also welcome.

In the incubator, twelve participants will be placed in groups with four mentors active in the public humanities. Groups will work with their mentors from October to December to envision their research as applications, we are ahead of the curve in getting this information to you. If you have any questions/concerns please email ned-bowden@uiowa.edu.

CLAS Dissertation Writing Fellowship: https://clas.uiowa.edu/students/students-opportunities-students/clas-dissertation-writing-fellowships; The applications will be solicited in September and the chemistry department will rank them. You will be told who to submit your application to at some point in September.

Graduate College Post-Comprehensive Research Fellowship: https://grad.uiowa.edu/funding/fellowships/post-comp; The applications will be ranked. More information will be released later this month about this opportunity.

Ballard and Seashore Dissertation Fellowship: https://grad.uiowa.edu/funding/fellowships/ballard-seashore; The applications will be ranked. More information will be released later this month about this opportunity.

Graduate Diversity Fellowship: https://grad.uiowa.edu/funding/fellowships/diversity-fellowship; These applications are due at the grad college in October, and more information will be released in August or September.
Employment Opportunities

**Postdoctoral Fellow in Chemical Development**

Are you looking to explore a career in process research and chemical development? At Cambrex, our Postdoctoral Fellow - Chemical Development role offers hands-on experience in synthetic organic chemistry in a professional research environment. It’s a great way for entry-level Ph.D. chemists to earn industrial experience with a leading global CDMO with over 2,200 employees worldwide.

In this role, you will help to develop and optimize chemical routes towards key synthetic intermediates and active pharmaceutical ingredients (APIs). In addition, you will carry out multistep chemical synthesis and product isolation/purification operations in the laboratory - either independently or as part of an integrated team.

You’ll also use modern analytical techniques to evaluate experiments, then communicate results with other departments and clients during regular team meetings.

**Kickstart your industrial career and apply today at cambrex.com.**

**Essential Functions**

- Proficiency in laboratory syntheses and purification techniques
- Conduct laboratory operations safely
- Demonstrated interest in learning aspects of process scale-up
- Understand modern organic synthesis methodologies and modern analytical techniques
- Ability to interpret data and spectra
- Write comprehensive reports
- Work closely with manufacturing to coordinate project-related equipment use and activities
- Handle hazardous materials and wastes

**Position Competencies**

- Ph.D. in Chemistry
- Excellent verbal and written communications skills
- Proficiency in Microsoft Office
- Experience working with limited supervision
- Attention to detail
- Strong chemical knowledge and understanding
Charles City, Iowa

You'll join a team of experts at Cambrex's flagship Charles City, Iowa facility, where we deliver development, piloting, and commercial production of APIs as a part of life changing medicines. The facility is currently undergoing a $50 million expansion project, is home to multiple commercial cGMP plants for large-scale products and offers resources for small-scale development and manufacturing.

- Strong expertise in custom development and cGMP manufacturing
- Research laboratories for Chemical and Analytical Development
- World class quality standards

With a community of 7,500 residents, Charles City offers a relaxed lifestyle in a safe, family-centric community with a low cost-of-living. Enjoy outdoor activities such as camping, fishing, boating, and biking all within two hours of big-city adventures in Des Moines and Minneapolis.

To learn more about Cambrex, visit cambrex.com today.

Apply today at cambrex.com
Medicinal and Synthetic Organic Chemist – Postdoctoral Fellow in the Northwestern University Department of Chemistry

Job Summary:
This position supports extramurally funded projects that focus on early stage medicinal chemistry and translational research for oncology and/or CNS diseases. The Postdoctoral Fellow will carry out synthetic medicinal chemistry to develop new small molecules for use as molecular probes and drug discovery leads against novel drug targets. They will focus on the design, synthesis, purification, and characterization of novel compounds for biological testing. The ideal candidate will possess a strong knowledge of current synthetic organic chemistry approaches and modern purification techniques, and be able to troubleshoot and optimize synthetic methods with limited oversight. The ability to evaluate biological data/SAR, and use this to design new compounds would be a plus.
Minimum Qualifications:

- PhD in organic or medicinal chemistry
- Strong technical abilities and a solid foundation in the principles and methods of synthetic organic and medicinal chemistry.
- Familiarity with biological principles to integrate effectively with biological collaborators.
- Strong interpersonal and communication skills and a desire to engage in team-based research and collaboration.
- Good organizational skills and the ability to multitask.

Preferred Qualifications:

- Experience in molecular modeling or biological screening is desirable.
- Experience using modern instrumentation such as ELN, preparative HPLC, LC/MS, and flash purification system

Contact:

Dr. Gary Schiltz schiltz@northwestern.edu
847-467-2287

4 new electrochemistry jobs

**New Product Development Battery Scientist**
Albemarle Corporation - Baton Rouge, Louisiana

**Post Doctoral Scholar**
Georgia Institute of Technology - Atlanta, GA, USA, Georgia, 30332

**Research Engineer-Batteries & Fuel Cells**
TalosTech LLC - New Castle, Delaware, 19720

**Chemist Postdoctoral Fellow**
Lawrence Berkeley National Laboratory - Berkeley, California

8/3/22

Missed a weekly bulletin? Find the archive here:
https://chem.uiowa.edu/news-menu/weekly-bulletin-archive