IOWA | Department of Chemistry

Department News

NOTICE: Chem Stores shipping next week

Chem Stores will be shipping out orders placed before April 7th next week. Please plan accordingly if you need items from Chem Stores before the end of April.

Fridays Seminar series will be on Zoom only. Please contact Jeremy Mitchell if you wish to attend in person.

Fridays Organic seminar will be on Zoom only. Please contact Jeremy Mitchell if you wish to attend in person.

Tuesday Analytical seminar will be in person only. Please contact Jeremy Mitchell if you wish to attend in person.

Wednesday Inorganic seminar will be in person only. Please contact Jeremy Mitchell if you wish to attend in person.

Thursday Physical seminar will be in person only. Please contact Jeremy Mitchell if you wish to attend in person.

Friday Chem Ed seminar will be in person only. Please contact Jeremy Mitchell if you wish to attend in person.

Three Month Seminar

Monday, February 27, 2023 - 3:30 PM

Chathuri Kularatne(Ink)

"Studying the Physicochemical Properties of Atmospheric Resources Relevant to Ice and Interface"

Abstract: Ice nucleation is a ubiquitous process that occurs in the atmosphere, which plays a significant role in the formation of clouds, precipitation, and climate. Ice nucleation is a complex process that depends on various factors, including the presence of impurities, the size and shape of the nucleating particles, the temperature and humidity of the environment, and the presence of other chemicals and pollutants. The study of ice nucleation is important for understanding the formation and properties of clouds and precipitation, which have a significant impact on the Earth's climate and weather patterns. The study of ice nucleation is also important for understanding the impact of human activities on the atmosphere and climate, such as the emission of pollutants and greenhouse gases. The study of ice nucleation is a complex and multidisciplinary field that requires the use of various techniques and instruments to study the physical and chemical properties of the nucleating particles and the environment in which they are present.

BIO:

Inorganic/CER Seminar

Wednesday, March 29, 2023 - 3:30 PM

Prof. Maria Gallardo-Williams

North Carolina State University

"Is There Meaningful Learning Happening in Virtual Reality Environments?"

Abstract: Virtual reality (VR) has been used in various fields to provide immersive experiences that can be used for training, entertainment, and education. In the field of chemistry, VR has been used to create virtual laboratories that allow students to perform experiments in a safe and controlled environment. The use of VR in chemistry education has the potential to provide students with a more engaging and interactive learning experience, which may lead to better learning outcomes. However, the effectiveness of VR in chemistry education depends on various factors, including the design of the VR environment, the quality of the content, and the instructional strategies used by the teachers. The study of VR in chemistry education is a complex and multidisciplinary field that requires the use of various techniques and instruments to study the physical and cognitive effects of VR on students' learning and performance.

BIO: Dr. Maria Gallardo-Williams is a Professor of Practice in the Department of Chemistry at North Carolina State University. She teaches all the lecture courses for the undergraduate program in chemistry and has been a recipient of the Teaching Excellence Award from the College of Sciences and Humanities and the Chancellor's Teaching Excellence Award. She has been involved in several projects to improve the teaching of chemistry at the undergraduate level, including the use of technology in the classroom and the development of new laboratory experiments that are safer and more sustainable. She has also been involved in several projects to promote diversity and inclusion in the field of chemistry, including the development of a mentoring program for underrepresented minorities in chemistry and the organization of workshops and conferences on diversity and inclusion in chemistry. She has been a member of several committees and boards of the American Chemical Society, including the Committee on Chemical Education and the Board of Directors of the Division of Chemical Education. She has also been a member of several committees and boards of the National Science Foundation, including the Advisory Committee for the Division of Undergraduate Education and the Committee of Visitors for the Division of Chemistry. She has been a member of several committees and boards of the National Academies of Sciences, Engineering, and Medicine, including the Committee on the Chemistry Enterprise of the Future and the Committee on the Future of Undergraduate Education in Chemistry. She has been a member of several committees and boards of the American Association for the Advancement of Science, including the Committee on Science, Engineering, and Public Policy and the Committee on Scientific Freedom and Responsibility. She has been a member of several committees and boards of the National Academy of Sciences, including the Committee on the Chemistry of the Future and the Committee on the Future of Undergraduate Education in Chemistry.

Analytical Seminar

Tuesday, March 28, 2023 - 3:30 PM

Dr. Lou Coury

BIOSEN

"The Role of Analytical Chemistry and Chemists in Pharmaceutical Research and Product Development"

Reminder: Graduate Student Open House Dinner

Friday, April 21, 2023

Graduate Student Open House Dinner for Prospective Students. Please contact Jeremy Mitchell if you wish to attend.

IOWA | Department of Chemistry

Graduate Student Seminar

Geraldine Richmond

Department of Chemistry

University of Iowa

Staff Job Search Strategies

Although the question of "what do I want to do when I grow up" may be a relevant question for graduate students, it is not the question they need to be asking when they are looking for a job. Instead, they need to be asking "what do I want my next job to be?" Once they have answered that question, they need to be able to articulate why they are the best candidate for that job. This talk will provide an overview of the job search process, including how to find job opportunities, how to write a cover letter and resume, how to prepare for an interview, and how to negotiate a job offer. The talk will also provide some tips on how to stay organized and how to manage the stress of the job search process.

Wednesday April 26th 2023 - 4:00 PM

Room 0004 and 0006 of Chemistry Building

1175 Madison St., Iowa City, IA 52242

Please bring your own beverage and snacks.

Please RSVP to Jeremy Mitchell at jeremy-mitchell@uiowa.edu

Click here to see the full seminar schedule

ACS Graduate Student Award Symposium

Each year the Iowa Section of the American Chemical Society (ACS) hosts a symposium for graduate students who are nominated by their department chairs for the Iowa Section ACS Graduate Student Award.

This year's symposium will be held on Friday, April 28th, 2023 at the Chemical Education Research Building (CERB) on the University of Iowa campus. Students will give 15 minute presentations followed by 5 minutes for questions. Students will be judged on their presentation skills, their research, and their ability to communicate their research to a general audience. Students will be notified of their selection for the award at the end of the day. Students will receive a certificate and a cash award. Students who are selected will be nominated for the Iowa Section ACS Graduate Student Award. The Iowa Section will then nominate one student for the Midwest Regional ACS Graduate Student Award. The Midwest Regional ACS Graduate Student Award winner will be nominated for the National ACS Graduate Student Award. The National ACS Graduate Student Award winner will be invited to present their research at the National ACS Meeting in August 2023 and will be considered for a cash award of $5,000.

Students who are interested in being nominated for the Iowa Section ACS Graduate Student Award should contact their research advisor and let them know that they would like to be nominated for the award. Students should then contact Jeremy Mitchell (jeremy-mitchell@uiowa.edu) to let him know that they would like to be nominated for the award. Students should also provide Jeremy Mitchell with a copy of their CV and a brief description of their research (1-2 paragraphs) so that he can nominate them for the award. Students should also be prepared to give a 15 minute presentation followed by 5 minutes for questions on Friday, April 28th, 2023 at the Chemical Education Research Building (CERB) on the University of Iowa campus. Students should also be prepared to attend the entire symposium and be available for questions from the audience and judges throughout the day.

U of Iowa Chemistry Graduate Student Awards

Each year the Department of Chemistry hosts a symposium for graduate students who are nominated by their research advisors for various department awards. This year's symposium will be held on Friday, April 28th, 2023 at the Chemical Education Research Building (CERB) on the University of Iowa campus. Students will give 15 minute presentations followed by 5 minutes for questions. Students will be judged on their presentation skills, their research, and their ability to communicate their research to a general audience. Students will be notified of their selection for the award at the end of the day. Students will receive a certificate and a cash award. Students who are selected will be nominated for the Iowa Section ACS Graduate Student Award. The Iowa Section will then nominate one student for the Midwest Regional ACS Graduate Student Award. The Midwest Regional ACS Graduate Student Award winner will be nominated for the National ACS Graduate Student Award. The National ACS Graduate Student Award winner will be invited to present their research at the National ACS Meeting in August 2023 and will be considered for a cash award of $5,000.

Students who are interested in being nominated for the U of Iowa Chemistry Graduate Student Awards