

A Chemistry Celebration

The University of Iowa

2022

IOWA

Event Schedule

5:00 PM - Reception & Poster session*

6:00 PM - Ceremony

Welcome - Prof. Len MacGillivray (DEO)/
Prof. Renee Cole (Associate Chair)

Undergraduate Awards - Prof. James Shepherd

Graduate Awards - Prof. Jim Gloer

CGSA Awards - Andy Horvath & Colleen Lasar

Closing remarks - Prof. Len MacGillivray (DEO)/
Prof. Renee Cole (Associate Chair)

*A full list of posters and their presenters can be found at the bottom of this program.

Welcome to the Annual Chemistry Appreciation and Awards Night. This event is designed to recognize the hard work and achievements of the graduate and undergraduate students of the Department of Chemistry at the University of Iowa.

Undergraduate Awards & Recognition

Department Awards

Donald J. Burton &

Margaret A. Burton Scholarship

❖ Nathaniel Gehrke

E. David Cater Scholarship

❖ Hannah Crowell

❖ Madelyn Daley

Russell K. Simms Scholarship

❖ Clara Stuedemann

Kenneth Sando Undergraduate

Scholarship

❖ Lauren Groenenboom

Chemistry Alumni Awards

Senior Recipient

❖ Lauren Groenenboom

Junior Recipient

❖ Brie Salloum

Sophomore Recipient

❖ Jackson Tupper

CRC Freshman Chemistry Award

❖ Jenna Ringwald

Merck Index Award

❖ Trevor Larkin

American Institute of

Chemists Award

❖ Dalton Rippey

ACS Division of Analytical

Chemistry Award

❖ Lillian Jones

❖ Ana Rodriguez

ACS Division of Organic

Chemistry Award

❖ Clara Stuedemann

❖ Nathaniel Gehrke

ACS Division of Physical

Chemistry Award

❖ Kristin Boyler

Viksnins, Harris, & Padys

Poster Award

❖ Haley Lightfoot

External Recognition

OVRP Dare to Discover Banner

❖ Laura Weiler

NSF Graduate Research Fellowship

❖ Lillian Jones

B.S. and B.A. Graduates

Summer 2021: Bill Liu, Sheng Yan (BA)

Fall 2021: Lauren Andrews,

Jacob Ertman, Lillian Jones,

Claire Phelps, Reza Shirsalimian (BS);

Olivia Batey, Hee Seon Shin (BA)

Spring 2022: Nicholas Dahlen,

Stephanie Gibbons, Emily Graham,

Alexandria Julius, Crystal Kotvan,

Jennifer Lane-Murcia, Claire Meyer,

Owen Millers, Elias Miyanda Alinan

Mpundu, Steven Palacios (BS);

Kelsey Chantharasee, Hannah Crowell,

Alisha DeWolf, Isaac Eigner-Bybee,

Reid Hogan, Ethan Hollar,

Fischer Kimm, Minghan Lin, Hao Long,

Shay McLean, Aidan Pearl, Marcus Pei,

Jiayi Shu, Emerson Tran Lam,

Marissa Tunning, Alexander Wemmie

(BA)

Graduate Student Awards & Recognition

Department Awards

A. Lynn Anderson Award for

Research Excellence

❖ Changan Li

❖ Tina Mihm

❖ Mikaela Pyrch

University Recognition

Ballard and Seashore Fellowship

❖ Mikaela Pyrch, Spring 2022

❖ Blake Hudson, Fall 2022

❖ Chathuri Kaluarachchi, Fall 2022

CLAS Dissertation Writing Fellowship

❖ Eric Brown

Graduate College Post-Comprehensive

Research Fellowship

❖ Nathan Stumme, Spring 2022

❖ Andrea Van Wyk, Spring 2022

❖ Samantha Kruse, Fall 2022

Graduate College Summer (2022)

Fellowship

❖ Dulamini Ekanayake

❖ Kevin Hunter

❖ Samantha Kruse

❖ Chamika Madawala

❖ Cely Ortiz de Leon

❖ Leah Scharlott

❖ Joshua Zgrabik

Diversity Fellowship

❖ Josiah Wray, Fall 2022

Council on Teaching

Outstanding Teaching Award

❖ Jalen Dickson

OVRP Graduate Research

Excellence Award

❖ Dmytro Kravchuk

Innovations in Teaching with Technology

Award

❖ Joshua R. Coduto

External Recognition

NSF Graduate Research Fellowship

❖ Samantha Kruse

NSF Graduate Research Fellowship

Honorable Mention

❖ Andrej Corkovic

Merck Research Award for

Underrepresented Chemists of Color

❖ Hoang Dang

❖ Piyumi Wijesirigunawardana

DOE Office of Science Graduate Student

Research Fellowship

❖ Logan Augustine

❖ Jessica DeYoung

NSF Mathematical and Physical Sciences

Ascending Postdoctoral Research

Fellowship

❖ Diamond Jones

❖ Mikaela Pyrch

2022 Seaborg Summer Research

Fellowship at the Los Alamos National

Laboratory

❖ Dmytro Kravchuk

Selected Presenter: ACS Research

Symposium, Organic Division

❖ Lucas Howell

❖ Cory Ludwig

2021 - 2022 M.S. Graduates

Fall 2021: Rebekkah Hodges,

Sajeewani Kumarage, Seth Van Helten

2021 - 2022 Ph.D. Graduates

Summer 2021: Ian Brown, Alexis Ellis,

Alisa Fairweather, Austin Gessell,

Md. Robiul Islam, Hansol Lee,

Maosong Ye

Fall 2021: Johnathan Culpepper,

Cody Earp, James P. Grace,

Diamond Jones, Kathryn Mauer-

Sonnek, Irene Metz, Mohammad Shohel

Spring 2022: Lindsey Applegate, Jay Bell,

Jessica DeYoung, Dagen Hughes,

Daniel Parr, Mikaela Pyrch,

Kevin Robben

CGSA Peer Awards

❖ To be announced

The Graduating class of 2022 recognizes these UI faculty and staff members for making a positive difference in their lives during their time at the University of Iowa. President Barbara Wilson, Executive Vice President and Provost Kevin Kregel, and Vice President for Student Life Sarah Hansen join in thanking all of the valuable faculty and staff members who work every day to make a difference for our students. And congratulations to the class of 2022!

From Chemistry:

Natalia Alexeeva

Mark Arnold

Nicole Becker

Nathan Black

Ned Bowden

Adam Brummett

Shuvendu Das

Tori Forbes

Christian Haas

Amanda Haes

Rebecca Laird*

Johna Leddy

Max Lei Geng

Mona Maalouf

Len MacGillivray

Sara Mason

Dave McCurdy*

Lou Messerle

Chris Pigge

Leah Scharlott

Scott Shaw

James Shepherd

Betsy Stone

Amy Strathman

Soe Tun

David Wiemer

Names were collected through the UI Senior Exit Survey, which all undergraduates are invited to complete at the time they file to graduate.

*Faculty who were identified by 5 or more students.

Chemistry Appreciation & Awards Night Poster Session

What can we learn by adding an artificial band gap to a model metal?

Presented by Kristin Boyler

Investigating the Scope of Catalytic Conjugate Reduction of Vinyl Bisphosphonates

Presented by Nathan Gehrke

Quantification and characterization of aeroallergens in Johnson County

Presented by Lillian Jones

Preparation and Evaluation of Lanthanide Catalysts for Ethanol Fuel Cells

Presented by Trevor Larkin

Exploring the Synthesis and Formation of Extended Uranyl Solid Materials Through a Mild Temperature Flux Reaction

Presented by Haley Lightfoot

Phenomena-Based Learning in College Chemistry: Doing to Understand vs Doing to Do

Presented by Dalton Rippey

Nutraceuticals as Templates for Photoreactions in the Solid State

Presented by Clara Stuedemann