

Global Women's Breakfast 2024

US National Committee for IUPAC and Beyond Benign

Speaker Information

Moderator: Dr. Danniebelle Haase (she/her)

Research Scientist – Dow (United States)



Danniebelle N. Haase is a Research Scientist and R&D Leader in Packaging and Specialty Plastics and Hydrocarbons at the Dow Chemical Company. To date, her research has resulted in the commercialization of 3 waterborne emulsion products for use in industrial coatings applications. Dr. Haase earned a B.Sc. with honors in Chemistry and Management and a M.Phil. in Organic Chemistry from the University of the West Indies, Mona, Jamaica. Subsequently, she was awarded a Ph.D. in Chemistry, with a minor in Medicinal Chemistry from the University of Florida, Gainesville. As a NIH-IRACDA postdoctoral fellow in the Department of Chemistry at the University of Pennsylvania, she had dual teaching and research appointments. After a brief stint in academia, Dr. Haase joined the Dow Chemical Company in June 2014. She has won numerous awards including NOBCChE's Winifred Burks-Houck Professional Leadership Award (2016) and the 2015 and 2019 IUPAC Young Observer Fellowship. Dr. Haase was appointed to serve as a member of the U.S. National Committee for the International Union of Pure and Applied Chemistry (IUPAC) and she was elected as a member of the Polymer Division of IUPAC. She is also active in the

American Chemical Society (ACS), where she serves as the program manager for the Women's Chemist Committee (WCC), and in the Polymer Division, she is a symposium organizer and the POLY program chair lead for the Spring 2023 meeting. One of her most cherished awards is being named the October 2011 winner of the Chemical Abstract Services' Colors of Chemistry Photo Contest.

Prof. Iriux Almodovar Fajardo (she/her)

Associate Professor - University of Santiago, Chile (Chile)



Iriux Almodovar Fajardo received her bachelor's degree in chemistry from the University of Havana, Cuba, and subsequently completed her Ph.D. in Chemistry at the University of Chile. During the last decade, she has worked as a professor of organic chemistry within the Faculty of Chemistry and Biology of the University of Santiago, Chile. She believes that the most impactful way to create positive change in the world is through education, so she has concentrated her efforts on teaching green chemistry to future teachers, who will be responsible for educating the next generations of environmentally conscious citizens and scientists. In addition to her teaching responsibilities, Iriux is actively engaged in a Sustainability Project which concentrates on assessing the Environmental Impacts and compliance with the 12 Principles of Green Chemistry of her institution's teaching laboratories. She recently participated in a series of presentations named "Cientificas," organized by the Faculty of Chemistry and Biology, as a visibility initiative for women and girls in science.

Dr. Amy Cannon (she/her)



Amy received the world's first Ph.D. in Green Chemistry. Holding an undergraduate degree in chemistry from Saint Anselm College (1997), Amy sought to use her chemistry degree within the field of sustainability. At the University of Massachusetts Boston, she met Dr. John Warner, who introduced her to green chemistry, a blossoming movement in the late 1990's. It was there where they created a Ph.D. concentration in Green Chemistry, addressing the education gap in chemistry education – chemists were not being properly prepared with skills to design and create solutions to support the development and implementation of sustainable chemical products. After working in industry (Rohm and Haas, and Gillette Company) and academia (University of Massachusetts Lowell), Amy remained passionate about Green Chemistry education, recognizing the growing

need for education systems to change to prepare scientists with Green Chemistry skills to address sustainability through chemistry. In 2007, Amy co-founded, Beyond Benign, a non-profit solely dedicated to advancing Green Chemistry education. Since inception, this organization has been leading Green Chemistry education initiatives in K-12 through higher education, focusing on empowering educators to make transformative change in their teaching and practice.

Amy has been recognized for her work in research (Kenneth G. Hancock Memorial Award in Green Chemistry in 2004, for titanium dioxide semiconductors and their application in dye-sensitized solar cells) and also for her leadership in driving green chemistry education (2012 EPA New England Environmental Merit award). Beyond Benign's work has also been recognized through the ACS NERM Partners for Progress and Prosperity (P3) Region Award (2016), and as a semi-finalist in the Buckminster Fuller Challenge (2013).

Prof. Catherine Cazin (she/her)

Professor, Ghent University (Belgium)



Catherine S. J. Cazin received her MSc from the Université Montpellier II in 1999 and her PhD from the University of Exeter where she worked under the supervision of Robin B. Bedford on Pd-based catalytic systems. Catherine carried out a postdoctoral stay at the Universität des Saarlandes with Michael Veith and one at the Institut Français du Pétrole with Hélène Olivier-Bourbigou. She then obtained a position as Chargée de Recherche at the CNRS. She joined the EaStCHEM School of Chemistry of St Andrews in 2009, where she held a Royal Society University Research Fellowship from 2011 until 2016. She then joined the Department of Chemistry of Ghent University, where she is now a Full Professor. Her research interests focus on the design of sustainable catalytic systems for organic synthesis.

Tisha Mendiola Jessop (she/her)

Principal Instructor, University of Colorado, Colorado Springs (United States)



Tisha Mendiola Jessop is a graduate of University of Colorado, Colorado Springs (UCCS) where she earned B.A. degrees in Biology and Chemistry and M.Sc. in Chemistry. After earning her Master of Arts in Teaching (MAT) graduate degree from Colorado College, she spent nine years teaching Secondary Science at Springs Community Night School in Colorado Springs District 11. Tisha worked on the development and integration of programs for historically underserved and disenfranchised high school students seeking their High School Diploma in an alternative education program. She is currently the Lab Curriculum Coordinator for General Chemistry Lab courses, designing and updating labs to reflect best practices in teaching, learning, and Chemistry education. She has worked closely with other Lab Curriculum Coordinators and faculty in the Chemistry and Biochemistry Department to integrate Green and Sustainable Chemistry, Social Justice in Science and advance opportunities for students to think critically about the applications of concepts and the role Chemistry study plays in “real-world” situations.