

Millipore SigMa

Education to Industry Innovation

A Green Chemistry Symposium

April 25, 2024

MilliporeSigma 400 Summit Drive Burlington, MA 01803

AGENDA			
TIME	LOCATION	EVENT	
8:00 - 8:30 AM	Lobby	Registration and Welcome	
8:30 - 9:30 AM	Conference Center	Keynote Presentations Karen Madden, Chief Technology Officer, MilliporeSigma Dr. John Warner, Co-Founder, Beyond Benign & CEO and President, The Technology Greenhouse	
9:30 - 9:40 AM		Transition	
9:40 – 10:40 AM	Conference Center	 Panel Discussion - Green Chemistry in Industry: Benefits and Drivers Darcy Prather, President, Kalion (moderator) Sarah Mandlebaum, Global Lead, Environmental Sustainability and Life Cycle Assessment, Takeda Pharmaceuticals Jeffrey Whitford, Vice President, Sustainability and Social Business Innovation, MilliporeSigma Martin Wolf, Director, Sustainability & Authenticity, Seventh Generation 	
10:40 - 10:50 AM		Transition	
10:50 - 11:20 AM	Air Fire Water	 Breakout Session I MilliporeSigma's DOZN™: A Green Chemistry Tool for Innovation (Dr. Vaso Lykourinou, Associate Professor of Teaching, Northeastern University and Kelly Carter-Allen, Commercial Liaison and Sustainability Engagement, MilliporeSigma) MilliporeSigma Curiosity Labs™ Green Chemistry Lesson: Sparking Curiosity in the Next Generation (Melissa Hackmeier, Global Head of Employee and Community Engagement, MilliporeSigma and Jacqueline Hollands, Global Manager Product Recycling and Innovation, MilliporeSigma) Connecting to the Green Chemistry Community: The GCTLC Community and Student Resources (Dr. Sarah Prescott, BioQUEST/Beyond Benign; Dr. David Laviska, Portfolio Manager for Green Chemistry and Sustainability in Education, ACS Green Chemistry Institute; Dr. Juliana Vidal, Program Manager, Beyond Benign; Sara Catingan, Graduate Student Liason, Beyond Benign, McGill University) 	
11:20 - 11:30 AM		Transition	
11:30 - 12:00 PM	Air Fire Water	 Breakout Session II MilliporeSigma's DOZN™: A Green Chemistry Tool for Innovation (Dr. Vaso Lykourinou, Associate Professor of Teaching, Northeastern University and Kelly Carter-Allen, Commercial Liaison and Sustainability Engagement, MilliporeSigma) MilliporeSigma Curiosity Labs™ Green Chemistry Lesson: Sparking Curiosity in the Next Generation (Melissa Hackmeier, Global Head of Employee and Community Engagement, MilliporeSigma and Jacqueline Hollands, Global Manager Product Recycling and Innovation, MilliporeSigma) Connecting to the Green Chemistry Community: The GCTLC Community and Student Resources (Dr. Sarah Prescott, BioQUEST/Beyond Benign; Dr. David Laviska, Portfolio Manager for Green Chemistry and Sustainability in Education, ACS Green Chemistry Institute; Dr. Juliana Vidal, Program Manager, Beyond Benign; Sara Catingan, Graduate Student Liason, Beyond Benign, McGill University) 	
12:00 - 1:00 PM		Lunch and Networking	

AGENDA

TIME	LOCATION	EVENT
1:00 - 1:50 PM	Air M Lab Water Fire	 Breakout Session III Greener Tools: Substitution Guides and New Innovations (Dr. Scott Plummer, Senior Principal Scientist, Novartis and Dr. Jane Murray, Global Head of Green Chemistry, MilliporeSigma) Science at the Heart of Industry: MilliporeSigma M Lab Tour (Annie Leahy, MSAT Manager, MilliporeSigma) Systems Thinking in the Undergraduate Curriculum: New Resources from the ACS Green Chemistry Institute (Dr. David Laviska, Portfolio Manager for Green Chemistry and Sustainability in Education, ACS Green Chemistry Institute; Dr. Sarah Prescott, BioQUEST/Beyond Benign; Dr. Vaso Lykourinou, Associate Professor of Teaching, Northeastern University) Bridging the Gap: From Academic Research to Industrial Innovation (Darcy Prather, President, Kalion; Sarah Mandlebaum, Global Lead, Environmental Sustainability & Life Cycle Assessment, Takeda Pharmaceuticals; Martin Wolf, Director, Sustainability & Authenticity, Seventh Generation; Jeffrey Whitford, Vice President Sustainability and Social Innovation, MilliporeSigma)
1:50 - 2:00 PM		Transition
2:00 – 2:50 PM	Air M Lab Water Fire	 Breakout session IV Greener Tools: Substitution Guides and New Innovations (Dr. Scott Plummer, Senior Principal Scientist, Novartis and Dr. Jane Murray, Global Head of Green Chemistry, MilliporeSigma) Science at the Heart of Industry: MilliporeSigma M Lab Tour (Annie Leahy, MSAT Manager, MilliporeSigma) Systems Thinking in the Undergraduate Curriculum: New Resources from the ACS Green Chemistry Institute (Dr. David Laviska, Portfolio Manager for Green Chemistry and Sustainability in Education, ACS Green Chemistry Institute; Dr. Sarah Prescott, BioQUEST/Beyond Benign; Dr. Vaso Lykourinou, Associate Professor of Teaching, Northeastern University) Bridging the Gap: From Academic Research to Industrial Innovation (Darcy Prather, President, Kalion; Sarah Mandlebaum, Global Lead, Environmental Sustainability & Life Cycle Assessment, Takeda Pharmaceuticals; Martin Wolf, Director, Sustainability & Authenticity Seventh Generation; Jeffrey Whitford, Vice President Sustainability and Social Innovation, MilliporeSigma)
2:50 - 3:00 PM		Transition
3:00 - 4:00 PM	Conference Center	 Green Chemistry in Higher Education: A Call to Action Green Chemistry Commitment - A Promise for a Sustainable Future - Dr. Amy Cannon, Co-Founder & Executive Director, Beyond Benign ACS Green Chemistry Institute: Opportunities and Engagement - Dr. Adelina Voutchkova, Director, Sustainable Development, ACS Green Chemistry Institute Green Chemistry at Worcester State University - Dr. Meghna Dilip, Professor, Chemistry Department Chair, Worcester State University Green Chemistry at North Carolina State University - Dr. Lucian Lucia, Professor, University Faculty Scholar, Department of Forest Biomaterials, NC State University
4:00 - 6:00 PM		Poster Session and Networking Reception

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Meet Your Keynote, Panelist & Workshop LEADERS



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Meet the Keynote Speakers



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Karen Madden

Chief Technology Officer, MilliporeSigma

As Chief Technology Officer, Karen is shaping the Technology Roadmap and long-term R&D Strategy, systematically exploring emerging opportunities that lead to breakthrough innovations. She is also responsible for leading the Life Science Innovation board with a focus on ensuring a balance of long-term, high-impact programs with short-term, critical growth projects by using a rigorous portfolio management process and technology Key Performance Indicators. Karen represents Life Science in the global scientific community by building and managing relationships with key universities, start-up companies and industry organizations, as well as our customers. Karen also serves as Merck KGaA, Darmstadt, Germany (and/ or its affiliates) U.S. Country Speaker, representing the Group's strategic needs in the key market while driving collaboration and unity among U.S. based employees. Before joining the company, Karen served as Senior Vice President and Chief Innovation Officer at PerkinElmer. She was responsible for driving innovation across all the company's businesses and end markets. Since 2014, she had been part of PerkinElmer's senior leadership team and was a key contributor to helping transform the business into a significant life sciences and diagnostics enterprise.

Karen holds a BA in Chemistry from Boston University, an MS in Chemistry from the University of Pennsylvania, and a PhD in Biochemistry – Biophysics from Rutgers University.

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Dr. John Warner

Co-Founder, Beyond Benign President & CEO, The Technology Greenhouse

John Warner is one of the founders of the field of green chemistry. He wrote the book that provides the definition and 12 principles of green chemistry with Paul Anastas in 1998. As an industrial chemist, he has over 350 patents and has worked with hundreds of companies worldwide. He received the Perkin Medal in 2014 from The Society of Industrial Chemistry. As an academic, he was a tenured full professor of chemistry and a tenured full professor of plastics engineering at the University of Massachusetts where he started the world's first PhD program in Green Chemistry. He has over 120 publications in synthetic methodologies, noncovalent derivatization, polymer photochemistry, metal oxide semiconductors and green chemistry. In 2022, he received the August Wilhelm von Hofmann Medal from the German Chemical Society and in 2004 the Presidential Award for excellence in science mentoring (PAESMEM) from the US National Science Foundation (NSF) and President George W Bush. As an inventor, John's inventions have led to the founding of many companies in the fields of photovoltaics, neurochemistry, construction materials, water harvesting and cosmetics. In 2016, he received the Lemelson Invention Ambassadorship from the Lemelson Foundation and the American Association for the Advancement of the Sciences (AAAS). John is a member of the Club of Rome, and holds academic appointments at Monash University in Australia, Chulalongkorn University in Thailand, Somaiya University in India, University of Birmingham in the UK, Rochester Institute of Technology in the U.S., and Technical University of Berlin in Germany, where they have named the "John Warner Center for Start Ups in Green Chemistry." John currently serves as President and CEO of The Technology Greenhouse.

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Meet the Panelists



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Darcy Prather

(MODERATOR)

President, Kalion

Darcy Prather formerly worked at McKinsey & Co. and several startups. While at McKinsey, one of his key assignments was to develop a strategy for a key bioengineered product for a Fortune 500 company. The strategy proved widely successful for the company, and for over a decade, has driven billions in profits. He received his MA in Philosophy, Politics and Economics while studying at Oxford University on a Rhodes Scholarship. He received two S.B.'s from MIT, one in Electrical Engineering and one in Science Technology and Society. He is a former member of the MIT board of trustees and Great Lakes Industrial Technology Council (GLITEC) Advisory Board.

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Sarah Mandlebaum

Global Lead, Environmental Sustainability & Life Cycle Assessment, Takeda Pharmaceuticals

Sarah Mandlebaum is a dedicated sustainability professional serving as the Lead for Global Environmental & Life Cycle Assessment at Takeda in Lexington, Massachusetts. With a background in life cycle assessment (LCA) and sustainability consulting, she currently leads Takeda's work around measuring the sustainability performance of the company's products. Sara holds a Master of Business Administration (MBA) from the Yale School of Management and a Master of Public Health (MPH) in Environmental Health from the University of Michigan.

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Jeffrey Whitford

Vice-President,
Sustainability and Social
Business Innovation,
MilliporeSigma

As Vice President of Sustainability & Social Business Innovation, Jeffrey is a strategic partner to the Life Science Business to accelerate, embed, and amplify sustainability principles and impact across its business operations to drive new business models, margin expansion and cost savings.

This is with one goal in mind: reducing the business' impact on the environment and enabling customers to make more sustainable choices. Industry-disrupting firsts launched under his leadership include the award-winning DOZN™ tool for quantifying the 'greenness' of a chemical product, a Biopharma Recycling Program for single-use and disposable plastics, and a new line of award-winning bio-based alternative solvents (Cyrene™). He also championed a partnership with Beyond Benign to expand access to green chemistry in higher education and fuel the adoption of sustainable science in R&D.

Ragan & PR Daily's 2022 CSR/ESG Professional of the Year, Jeffrey was included in Fast Company's 2020 list of the Most Creative People in Business; and selected as PRNEWS CSR & Nonprofit Awards' CSR Professional of the Year in 2020, among other recognitions. He is a board member of MyGreenLab.

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Martin Wolf

Director, Sustainability & Authenticity, Seventh Generation, Inc.

Mr. Wolf is responsible for creating frameworks for the design of sustainable products at Seventh Generation, Inc., a manufacturer and distributor of ecological household and personal care products. He has developed frameworks for environmental product design, helped educate his coworkers, customers, and consumers about the environmental impacts of consumer products and the industries that produce them, successfully lobbied for passage of phosphate bans in several states, helped develop standards for voluntary ingredient disclosure, and brought change to the cleaning products industry through more sustainable product designs. Mr. Wolf brings over 40 years of experience in industrial and environmental chemistry to his work.

Mr. Wolf served as the Co-Chair of the Research, Technology, and Regulatory Committee of the American Cleaning Institute (2015-2018), and served as Vice Chair and Chair of the Sustainability Committee (2010-2015), and Vice Chair and Chair of the Strategic Advisory Committee (2007-2011).

Mr. Wolf was appointed a Fellow of the Aspen Institute, Environmental Forum in 2006, and received an EPA Region 1 Environmental Merit Award in 2011. In 2013, the National Academy of Science appointed him to the Committee on Design and Evaluation of Safer Chemical Substitutions. In 2015, he won the Elva Walker Spillane Distinguished Service Award of the American Cleaning Institute. In 2016, the Vermont State's Agency of Natural Resources and State's Chemicals of High Concern for Children Working Group appointed him to the Working Group on Toxic Chemical Use in Vermont by the Vermont Department of Health. In 2019, Mr. Wolf was recognized as one of nine Heroes with Impact by Unilever, Ltd. for his work on preserving the environment.

Mr. Wolf holds an M.A. in Chemistry from Yeshiva University (New York) and a B.S. in Chemistry from Worcester Polytechnic Institute (Massachusetts).

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Meet the Workshop Leads



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Dr. Amy Cannon

Co-Founder and Executive Director, Beyond Benign

Dr. Amy Cannon 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 in sustainability. At UMASS 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 (UMASS 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 changes 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).

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Sara Catingan

Graduate Student Liaison,
Beyond Benign

Sara is a Ph.D. student in chemistry at McGill University supervised by Prof. Audrey Moores. Her research focuses on using plasmonic nanomaterials to harness light more efficiently in pharma-relevant photocatalytic reactions. Prior to her graduate studies, Sara completed a 12-month internship at Environment and Climate Change Canada, where she studied the levels of aquatic contaminants in communities across the country. As a Graduate Student Liaison for Beyond Benign, she is passionate about supporting the development of green chemistry education and spreading awareness in the community about the importance of sustainability.

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Kelly Carter-Allen

Commercial Liaison for Sustainability Engagement, MilliporeSigma

Kelly Carter-Allen joined MilliporeSigma in 2022 as Commercial Liaison for Sustainability Engagement in the Life Science division. In that capacity, she develops tools and resources to support sustainability awareness and adoption in the commercial organization and supports customers directly in their sustainability journeys.

Prior to joining MilliporeSigma, Kelly worked extensively in the life science industry in tech support, applications, product management, and product development for detection and imaging instrumentation, consumables, and reagents. She holds a degree in Zoology from the University of Wisconsin-Madison, where she performed laboratory research in molecular biology and cellular immunology for 5 years before moving into industry.

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Dr. Meghna Dilip

Professor and Chair, Department of Chemistry, Worcester State University

Dr. Meghna Dilip obtained her B.Sc. in Chemistry from the University of Madras and her Ph.D. in Chemistry at the University of Alabama. She is currently a Professor and Chair of the Chemistry Department at Worcester State University, Worcester, MA. Her research interest primarily involves the development of greener solutions to chemical problems and introducing green into the chemistry curriculum. She has recently received national recognition for her efforts towards developing greener curricula when she was awarded the 2024 2025 American Chemical Society-Committee for Environment and Sustainability Award for Incorporating Sustainability in the curriculum. She has an active collaboration with the scientists at the Poznański Park Naukowo-Technologiczn in Poznan, PL involving the design and synthesis of a star shaped polyester for use as an emulsifier. Her collaboration internationally also includes an educational angle. Together with colleagues, she has developed a workshop titled "Green Chemistry and the UN Sustainability Goals: Harnessing Their Combined Power" on putting chemistry in context and moving beyond isolated consideration of reactions and consideration where materials come from and how they are transformed and used.

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Melissa Hackmeier

Global Head of Employee and Community Engagement, MilliporeSigma

As Global Head of Employee and Community Engagement, Melissa leads the development and implementation of employee and community engagement strategy, programs and nonprofit partnerships, and communications to raise awareness about these initiatives.

She launched the SPARKTM global volunteer program focused on science education, with employee participants volunteering more than 134,000 hours to engage more than 387,000 students in 46 countries to date. She is also responsible for leading Millipore Sigma's flagship science education programs, including Curiosity LabsTM, which educates and inspires students around the world through hands-on, interactive science lessons led by employees, and the Curiosity Cube, a retrofitted shipping container turned mobile science lab that travels across North America and Europe to spark curiosity in visitors of all ages through hands-on learning.

She has been instrumental in expanding the company's nonprofit partnerships. This includes spearheading a multi-year contribution to Beyond Benign to increase global access to green chemistry education.

Melissa holds a B.A. in English from Tufts University and an M.B.A. from Boston University Questrom School of Business. She currently serves on the Board of Massachusetts Biotechnology Education Foundation (MassBioEd) and on the advisory council of the Net Impact Boston professional chapter.

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Jacqueline Hollands

Global Manager, Product Recycling and Innovation, MilliporeSigma

Jacqueline (Jacquie) Ignacio Hollands leads and develops initiatives and programs that meet the sustainability needs for the customers of MilliporeSigma's Life Science business. Hollands joined the company in 2011.

During her tenure, Hollands has implemented industry-leading product recycling options, such as the Biopharma Single-Use Product Recycling Program and the ech_2o^{TM} Lab Water Cartridge Recycling Program. Currently, she is working on the next generation of recycling options that improve operating efficiency and profitability while reducing MilliporeSigma's environmental footprint and that of its customers.

With 20-plus years of experience within the life science industry, Hollands is known for her ability to communicate complex technical information clearly and effectively regardless of the audience's scientific knowledge. She has been featured in American Recycler, BioProcess International, BioPharmaReporter, Labcompare, Launch Bio, Plastics Recycling Update, and PlastVerabeiter.

Prior to assuming her current role in 2013, Hollands worked in various roles in the life science industry—managing customer relationships, serving as a technical specialist and developing programs and products related to imaging and detection systems.

Hollands holds a bachelor's in biological sciences from Hood College and has nine years of lab experience, having performed multiple techniques in the fields of molecular and protein biochemistry, immunology and cell biology at Johns Hopkins University, Northwestern University and Oxford University.

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Dr. David A. Laviska

Portfolio Manager for Green Chemistry and Sustainability in Education, American Chemical Society Green Chemistry Institute

Prior to joining the ACS Green Chemistry Institute[®], David was an Assistant Professor at Seton Hall University where he is codirector of the Academy for Green Chemistry, Stewardship, and Sustainability. As a pedagogical innovator, he led the effort to incorporate the principles of Green Chemistry throughout the Organic and General Chemistry curricula and was recognized by the College of Arts and Sciences as "Professor of the Year" in 2020. As a first-generation college student and member of the LGBTQIA+ community, he took leading roles in working with undergraduate STEM students from across the spectrum of underrepresented groups. His research focuses on green(er) synthesis and characterization of late transition metal complexes with unique optical properties and hetero- and homogeneous catalysis. His research students also develop and pilot green(er) experimental protocols for use in undergraduate teaching labs. Prior to his second career in academia, Dr. Laviska worked for more than a decade as an Environmental/Analytical Specialist with the EPA (Region II) and earned degrees in chemistry from Rutgers University (Ph.D.), University of Washington (M.S.), and Cornell University (B.A.).

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Dr. Lucian Lucian

Professor of Forest and Biomaterials Chemistry, North Carolina State University

Dr. Lucian A. Lucia serves as Professor in the Departments of Forest Biomaterials and Chemistry and as faculty in the programs of Fiber & Polymer Science and Environmental Sciences at North Carolina State University (NCSU). His laboratory, The Laboratory of Soft Materials & Green Chemistry, probes fundamental materials science topics focused on the green chemistry of renewable polymers. He received his Ph.D. in organic chemistry from the University of Florida for modeling photoinduced charge separation states of novel Rhenium (I)-based organometallic ensembles as a first order approximation of photosynthesis. A large part of his recent work has been focused on the chemical modification of cellulosics for advanced applications. He teaches Green Chemistry (PSE/CH 335) and Pulping Process Analysis (PSE 371), both labbased courses at NCSU. He has co-founded and co-edits an openaccess international research journal, BioResources, dedicated to original research articles, reviews, and editorials on fundamental science, engineering, and advanced applications of lignocellulosics. He is proud to maintain an ambassadorship at Beyond Benign in which he can formally disseminate and support the cause of green chemistry and sustainability throughout the world.

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Dr. Vaso Lykourniou

Associate Teaching Professor, Northeastern University

Professor Lykourniou is currently an Associate Teaching Professor in the Department of Chemistry and Chemical Biology at Northeastern University in Boston Massachusetts. Prior to her current position she was overseeing graduate teaching assistant training and supervision and teaching across the lecture and laboratory curriculum (first year and upper-level chemistry). She has been very involved in the curriculum development of laboratory courses and undergraduate research at the University of South Florida and Northeastern University.

She has also been involved in general chemistry, green chemistry, clinical chemistry and biochemistry curriculum development, and together with her students, is undertaking the development of innovative undergraduate laboratories, incorporation of green chemistry and systems thinking in the first-year courses and pursuing original undergraduate research within the peer instruction model with emphasis on green chemistry curriculum and making connections in modern science.

As one of the leading Green Chemistry Commitment signer institutions with Beyond Benign and through her work with the Green Chemistry Institute Northeastern's faculty-student teams are engaged in incorporating principles and skills related to green chemistry, toxicology, sustainability and systems thinking in their first year curriculum across all science majors and foundational courses taught across the university's global campuses. The focus is in reimagining Northeastern's chemistry undergraduate program in this context.

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Dr. Jane Murray

Global Head of Green Chemistry, MilliporeSigma

Jane Murray joined Sigma-Aldrich in 2008. Following the acquisition of Sigma-Aldrich by Merck KGaA, Darmstadt, Germany in 2015, she was appointed global head of green chemistry for the life science division. Jane has a strong background in chemical research—having completed her Ph.D. at the University of York, where she researched green oxidations of organosulfur compounds using hydrogen peroxide. Having grown up next to a national park, Jane finds herself naturally driven to progress scientific innovations that help protect the environment. Jane has leveraged her experiences to effectively collaborate with fellow chemists in academia and pharma. Her efforts have resulted in the development of numerous publications supporting the uptake of green chemistry practices.

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Scott Scott Plumer

Senior Principal Scientist, Biomedical Research, Novartis Pharmaceuticals

Scott V. Plummer received his B.S. in chemistry from the College of William & Mary (1997) and completed his doctoral dissertation at Indiana University (2003) under the guidance of Professor David R. Williams. He began his industrial career at AMRI, where he spent five years as a process chemist in the Chemical Development Division. From there he moved to Alcon in Fort Worth, Texas to be part of their Chemical Preparations Research Team. In this capacity, he was involved in the synthesis of APIs from early process development through GMP batch production. In 2013, Scott moved to the Global Discovery Chemistry unit within the Novartis Institutes for BioMedical Research. As part of the SynTech team, he is tasked with formulating material enablement strategies with research teams, outsourcing, and the introduction of emerging synthesis technologies to the project portfolio. Scott has a particular interest in the application of green technologies (biocatalysis, flow chemistry, aqueous surfactant chemistry) to programs in the portfolio. He runs the Green Chemistry team within the Global Discovery Chemistry unit and serves as Novartis' representative to the ACS Green Chemistry Institute Pharmaceutical Roundtable.

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Dr. Sarah Prescott

Associate Professor, University of New Hampshire, Chief Editor and Moderator, Green Chemistry Teaching and Learning Community (GCTLC)

Sarah G. Prescott, Ph.D. (she/her) is a passionate educator and professional with a broad interest in STEM education reform. She holds a B.S. in Biochemistry from Worcester Polytechnic Institute and an M.Ed. in Secondary Education and a Ph.D. in Genetics from the University of New Hampshire. She is an Associate Professor of Biochemistry at the University of New Hampshire, where she teaches her Green Goggles - Introduction to Green Chemistry course for non-majors, along with General Chemistry, Organic Chemistry, Biochemistry, and upper-level Genomics courses. Dr. Prescott is also excited to serve the green chemistry education community as the Inaugural Chief Editor and Moderator for the Green Chemistry Teaching and Learning Community (GCTLC). Dr. Prescott is also a module developer and consultant with the American Chemical Society-Green Chemistry Institute (ACS-GCI). In addition to these roles, she serves as the President and Executive Director for BioQUEST, a nonprofit organization with a long history in STEM Education reform and Inclusive Pedagogy. Dr. Prescott lives in New Hampshire and has ducks, geese, chickens, dogs, and rabbits on her small homestead, where she enjoys gardening, birding, and photography.

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Dr. Juliana Vidal

Program Manager, Higher Education, Beyond Benign

Juliana Vidal is the Higher Education Program Manager at Beyond Benign. She's responsible for managing the Green Chemistry Commitment(GCC)program, which aimsto support higher education institutions across the globe to responsibly train their students for a sustainable future through green chemistry. Juliana earned her Ph.D. at Memorial University of Newfoundland supervised by Prof. Francesca Kerton, and completed her Postdoctoral Research at McGill University, supervised by Prof. Audrey Moores. Juliana is the Co-Chair of the Global Conversation on Sustainability (GCS) project created by the International Younger Chemists Network (IYCN) and IUPAC, a Coordination Member of the Chemicals and Waste Youth Platform of the UNEP and was selected as a Chemical Abstracts Service (CAS) Future Leader in 2020.

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Dr. Adelina Voutchkova

Director of Sustainable Development, American Chemical Society Green Chemistry Institute

Adelina Voutchkova is the Director of Sustainable Development at the American Chemical Society and leads the ACS Green Chemistry Institute[®]. Adelina joined the ACS in 2022 from George Washington University where her research program spans the two frontiers of green chemistry: the development of green synthetic methods through supported catalysis, and the development of predictive methods for identifying chemicals of toxicological concern. She received the NSF CAREER award, the 2020 Early Career Researcher Award from GWU, and the 2021 Thieme Chemistry Journals Award, among others. Adelina was previously a Research Associate and a Postdoctoral Fellow at the Yale Center for Green Chemistry and Green Engineering. She completed her Ph.D. in organometallic chemistry at Yale with Bob Crabtree, focusing on atom-economical catalytic transformations facilitated by NHC complexes. She earned her BA from Middlebury College, where she worked with Prof. Sunhee Choi on the chemistry of Pt anticancer complexes.