WENDY PEARMAIN
Chemistry Teacher
Wendy is a Head of Science at a UK school, with previous laboratory experience in the petrochemical industry and water treatment trace organics.

SIÂN JACKLIN
Chemistry Teacher
Siân is a very enthusiastic teacher of A level Chemistry, which she has taught for over a quarter of a century. She is also Deputy Headteacher at Amersham School in the UK. She is extremely proud of everything that her former students have gone on to achieve.

NATALIE ROSE WALSH
Teacher of Science
Natalie is an unashamedly nerdy science teacher who hopes to inspire the next generation of Curies, Franklins, and Priestleys to love chemistry as much as she does.

CHRISTY L HAYNES
Chemistry Professor
Christy’s research group carries out collaborative chemistry research related to sustainable nanoscience. She is passionate about contributing to the development of diverse future leaders in chemistry.

DINA C MERRER
Mechanistic Organic Chemist
Dina investigates the influence of reaction dynamics on carbene additions to strained C=C bonds. She is a graduate of Smith College and Rutgers University, and has mentored 45 (and counting) Barnard College undergraduate research students since 2001.

ALISSA MATUS
Chemistry PhD candidate
Alissa has a background in organometallic chemistry, and focuses on accessing transition metal hydrides for use as electrocatalysts in Jenny Yang’s research group. She strives to make good mentorship and STEM accessible for all women of color.

FLORENCE ORAM
Analyst
Florence tests raw materials, tablets and capsules, and works hand-in-hand with Formulation and Development in the pharmaceutical industry.

MARIE KESTEN ZAHN
Archaeologist
Not all archaeologists dig in the dirt! Marie works on artifact conservation, combining history and chemistry to find the right compounds to clean and preserve a variety of materials, as well as analysing damages that occur over time.
ERIN M McCONNELL
PhD Chemist & Science Communicator
Erin uses DNA nanotechnology to build biosensors and diagnostic tools. She hopes to inspire the next generation of scientists as a mentor and STEM expert for the Canadian Association for Girls in Science (CAGIS).

ALICIA MULQUEEN
Science Teacher
Alicia graduated with a Bachelor of Science degree in chemistry in May 2020. She is now halfway through her first year as a high school physical science teacher.

RAJSHREE GHOSH BISWAS
Chemistry PhD student
Rajshree researches the impact of environmental stressors on small living organisms using a technique called comprehensive multiphase-nuclear magnetic resonance spectroscopy. This technique can analyze solutions, gels and solids of natural samples at the molecular level.

JESSICA PIKUL
Professor of Chemistry
Jessica introduces college students to chemistry. She also researches new methods in adult education and self-directed learning to help increase diversity in STEM fields.

DANIELLE R BERRY
Senior Research Specialist
Danielle conducts applications development research and serves as a technical expert for thermally conductive materials used in consumer electronics developed by Dow, a materials science company.

RHONDA FROHN
High School Chemistry Teacher
Rhonda is a high school chemistry and physics teacher. She loves watching students who claim to be "bad at math" succeed and have fun while being challenged.

SAIMA SHABBIR
Associate Professor
Saima works on nanomaterials for multirisk resistance, food safety, water treatment, solar cells and carbon capture. She is a Fulbright Fellow, TechWomen Emerging Leader, and co-founded "STEM for Change" which addresses gender disparity in STEM leadership.

NATALIA GARCIA DOMENECH
Nanofiltration with 2D nanomaterials
Natalia develops new nanofiltration membranes using 2D nanomaterials, like boron nitride, for the agri-food industry. The goal is to be able to separate monosaccharides from di- and polysaccharides.
Stephanie Schneider
Atmospheric Chemist
Stephanie currently does research identifying and quantifying the release of gas-phase molecules from the ocean, which are formed from oxidation reactions at the ocean surface with ozone.

Miranda Paley
Scientific Consultant and Communicator
Miranda provides subject matter and communications expertise to research at the US Department of Homeland Security’s chemical and biological hazard characterisation program, reviewing and editing scientific documents and representing the program at meetings.

Kelly Brown
Electroanalytical Researcher
Kelly is aiming to expand the acceptance of electroanalytical chemistry to the wider analytical community, through the development of rapid, low-cost, portable and simple-to-use electrochemical sensors for forensic and clinical applications.

Debbie Lenz
Chemistry Teacher
Debbie challenges the minds of students by encouraging them to seek evidence to support their claims. Chemistry is the vehicle she uses to move them forward.

Imari Walker
Environmental Analytical Chemist
Imari researches the fate and transformation of plastic additives within freshwater environments. She created a science communication YouTube channel to share information about plastic pollution, microplastics, and harmful chemicals associated with these products.

Gaia de Angelis
Functionalised Surfactant Chemist
Gaia makes biocompatible functionalised surfactants that can be used to convert emulsions to capsules via iononic cross-links. This results in viscoelastic robust capsules that can be used in drug delivery, soft robotics and as sensors.

Rianne Lord
Metal-based Anti-Cancer Drug Explorer
Rianne’s research uses the unique properties of metals to design and synthesise new drugs for the detection and treatment of cancer. The ultimate goal of her research is minimising side-effects for patients and improve quality of life.

Christina C Roggatz
Marine Chemical Ecologist
Christina investigates the impact of ocean acidification on the chemical communication molecules of marine organisms like crabs, algae, biofilms & pufferfish. She uses a supercomputer to model molecule properties in future oceans. Passionate science communicator.
AIMEE WIGGINS
Astrobiogeochimist
Aimee uses quantum chemistry to investigate how biomolecules stick to silicate minerals, a process which may have been involved in the origin of life.

CLARISSA SORENSEN-UNRUH
Chemistry Professor and STEMed researcher
Clarissa teaches chemistry at the community college level. Her STEM education research focuses on assessment and evaluation, specifically “ungrading”, ethics in assessment, and diversity, ethics and inclusion.

EVÉ WHEELER-JONES
PhD student in Electrochemical Engineering
Evé creates and tests new and different materials for batteries to improve their properties, for example to make them charge faster.

MADELEINE JOULLIE
Synthetic Organic Chemist
Madeleine was one of the first women appointed to an organic chemistry tenure track position in the US. A role model for generations of women in chemistry, and a leading expert in the area of cyclic peptide alkaloids.

CHRISTINA M JONES
Analytical Chemist
Christina is an expert in mass spectrometry and metabolomics, and focuses on ensuring that researchers can make accurate measurements for metabolites which can serve as chemical markers of disease. A “40 Under 40” Rising Star in Metabolomics and Proteomics.

NIKI KAISER
Chemistry Teacher and Research Lead
Niki is a chemistry teacher in a secondary school who also works with teachers to help them apply education research to their practice. Interested in helping people to understand why, as well as what or how.

THARIN BLUMENSHEIN
Associate Professor in Protein NMR
Tharin uses NMR spectroscopy to look at proteins and their structure, dynamics, interactions and functions. She is studying intrinsically disordered proteins from Chlamydia that interact with proteins in the human cell during infection.

REBECCA GOSS
Sustainable molecule making
Rebecca leads a diverse and multidisciplinary research group looking for new medicines and new tools for molecule building from nature. Together, we have pioneered GenoChemics, a fusion of synthetic biology and synthetic chemistry for sustainable molecule making.
# WOMEN IN CHEMISTRY

**ANDREA CHLEBIKOVA**  
Atmospheric Chemist and Educator  
Andrea uses computer simulations to try to work out which reactions in the air around us matter. She also teaches chemistry, mainly to undergraduates, but enjoys explaining chemistry concepts to anyone interested (and convincing those who are not).  
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**AMY JENNE**  
Environmental Chemist  
Amy uses Nuclear Magnetic Resonance (NMR) spectroscopy to develop new methods to measure the impacts of water contamination on Daphnia magna (water fleas) by examining real-time changes to their metabolomes using in vivo exposure.  
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**OLJA SIMOSKA**  
Microbial Electrochemist  
As a postdoctoral researcher, Olja is working on investigating methods, such as genetic engineering approaches and understanding mediator properties, to improve extracellular electron transfer and performance of microbial electrochemical systems.  
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**JESSICA CHUANG SEELIGER**  
Pushing the mycobacterial cell envelope  
Jessica is investigating how mycobacterial pathogens assemble their cell envelopes, especially the outermost lipid layer. She brings chemical biology to microbiology to uncover cell envelope proteins and their functions in bacterial growth and survival.  
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**HELEN WALDEN**  
Structural Biologist  
Helen studies the mechanisms of post-translational modification of proteins by ubiquitin, and how regulation of signals drives cellular processes such as DNA repair and protein turnover.  
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**MARIJA J MARIN**  
Analytical Chemist  
Maria’s research focuses on the application of nanoscience to address biological challenges. Her main interests are in the use of nanomaterials as colorimetric sensors, intracellular sensors and as drug delivery systems for cancer treatment.  
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**CAROLINE LYNN KAMERLIN**  
Simulating protein evolution  
Caroline and her team use molecular simulations to understand the chemical basis for complex biomolecular problems, in particular focused on protein engineering, biocatalysis, and the role of conformational dynamics in protein evolution.  
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**NANCY RAQUEL CARDONA CORDERO**  
ECHO Puerto Rico Diversity Fellow  
Nancy evaluates consumer behavior considering exposure patterns and its relationship with phthalate levels. Her work considers maternal-child health indicators, social determinants and participant’s knowledge and perceived risks to develop strategies to reduce exposure.  
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