

University of Guelph
College of Biological Science

Careers in Biology 2022

May 4-6
Virtual
Event

Featuring speakers from:

- Government
- Science Communication
- Business & Management
- Research & Development
- Education

And professional development
workshops!

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OF GUELPH

COLLEGE of
BIOLOGICAL SCIENCE

ASSOCIATE DEAN OF RESEARCH OFFICE

Careers in Biology 2022

Speaker Schedule by Sector

May	1:00–2:00 pm	2:00–3:00 pm
4	Government https://zoom.us/j/92120500597 1. Elizabeth Mansfield (Health Canada) 2. Sylvie Cloutier (Agriculture and Agri-Food Canada) 3. Ryan Sorichetti (Ontario Ministry of the Environment, Conservation and Parks)	Science Communication https://zoom.us/j/93448053349 1. Naomi Robson (Robson visuals) 2. Adrian Taylor (INVIVO Communications) 3. Meghan Wing (sixsense strategy group)
5	Business & Management https://zoom.us/j/97517088861 1. Marie-Michele Rousseau Clair (Nature Conservancy of Canada) 2. Jason Field (Life Sciences Ontario) 3. Heather Fotherby (Natural Resource Solutions Inc.)	
6	Research & Development https://zoom.us/j/94209713808 1. Andrew Brereton (Cyclica) 2. Reynald Tremblay (cFortysix Solutions) 3. Kathleen Delfosse (Deep Genomics) 4. Danielle Visschedyk (Ontario Ministry of Agriculture, Food and Rural Affairs)	Education https://zoom.us/j/95341025990 1. Jaspreet Kaur (University of Guelph) 2. Nirosha Murugan (Algoma University) 3. Cameron Egan (Okanagan College)

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Professional Development Workshops

Schedule

May	10:30 am–12:00 pm
4	<p>CV+: Now with transferable skills! Facilitator: Julia Leary (https://zoom.us/j/97294649103)</p> <p>Is your old CV tired, boring, and letting you down? Ready to give it a boost? Now's your chance to harness the fast-acting power of transferable skills! In this interactive workshop, you'll learn to identify and market your transferable skills effectively, adding attention-grabbing content that speaks to employers in both industry and academia.</p>
5	<p>How to not hate networking: Leveraging social media to build contacts Facilitator: Brittney McManus (https://zoom.us/j/95094077738)</p> <p>Does the word 'networking' conjure up images of people in suits exchanging business cards? Does the idea of networking give you heart palpitations? Let's reframe what it means to network and learn strategies to build your professional network by using social media, in a way that is authentic and attainable for all personalities.</p>
6	<p>The best way to predict your future is to create it! Learn what it will take to be your own boss in the field of biology! Facilitators: April Albano and Jessie Kennedy (https://zoom.us/j/95882448377)</p> <p>Have you ever dreamed of being your own boss? Are you wondering what to do next? This workshop will explore entrepreneurship with a focus on startups in Biology. We will break down the sometimes-intimidating business terms and give you simple steps if you are interested in pursuing your own thing. This workshop will be interactive and include examples of startups that have come from graduate level biology programs. Let's explore what it takes to be your own boss using your background in biology.</p>

Careers in Biology 2022

Speaker Panel: Government

Elizabeth (Beth) Mansfield

BSc, MSc, PhD | Research Analyst, Bureau of Nutritional Sciences, Health Canada



Dr. Elizabeth (Beth) Mansfield is a Registered Dietitian, certified Clinical Exercise Physiologist and a specialist in Sport Dietetics. She runs a private practice specializing in sport nutrition and cardiovascular health, is a consulting nutritionist for the Lipid Clinic of the University of Ottawa Heart Institute, and previously worked in the Cardiac Diagnostics Department conducting exercise stress tests for people at risk of or with established cardiovascular disease. Dr. Mansfield leads social science and behavioural research within the Bureau of Nutritional Sciences in the Food Directorate at Health Canada. Her research uses evidence-based analysis in a systematic way to answer practical nutrition related concerns. Her current implementation science research focuses on how the systematic integration of health literacy considerations into social science and consumer behaviour research can better meet the needs of the increasingly diverse Canadian population.

Sylvie Cloutier

BSc, MSc, PhD | Principal Research Scientist, Agriculture and Agri-Food Canada



Sylvie received her PhD in Biology from Université de Montréal (1994). She then joined Agriculture and Agri-Food Canada, first as a Visiting Fellow and then as a Research Scientist. Her research focuses on genetics, genomics and epigenetics of wheat and flax. She currently leads a pre-breeding program in wheat to identify new sources of disease resistance for from wild relatives using genome-wide markers and genomic selection approaches. She coordinates a national phenotyping program in both winter and spring Triticum and Aegilops species. She currently co-leads the Genome Canada 4DWheat project. Throughout her career, she has mentored more than 100 individuals including Visiting Scholars, Post-docs, Graduate, Undergraduate and High-school Students.

Ryan Sorichetti

BSc, PhD | Great Lakes Scientist, Ontario Ministry of Env., Conservation and Parks



Dr. Ryan Sorichetti is a Great Lakes Scientist with the Ontario Ministry of the Environment, Conservation and Parks (MECP). He completed his PhD at Western University (2014) in the field of limnology, the study of inland waters. Prior to joining MECP, Dr. Sorichetti worked as a Mental Health Recovery Practitioner for three years with the Royal Flying Doctor Service in the far north of Australia. As a Great Lakes Scientist, Dr. Sorichetti leads historical monitoring programs that collect vital ambient monitoring data to assess Great Lakes ecosystem health, including nutrient biogeochemistry, algal bloom physiology and taxonomy, and regional climate information.

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Speaker Panel: Science Communication

Adrian Taylor

BSc, PhD | Medical Writer, INVIVO Communications



Adrian is a Medical Writer at INVIVO Communications, an award-winning medical affairs communications agency in Toronto, ON. At INVIVO, Adrian collaborates as a part of cross-functional teams to execute diverse projects, including medical games, infographics, animations, and interactive slide decks. In his role, he is responsible for conducting end-to-end validation of content to incorporate input from subject matter experts, optimizing story flow, and ensuring the scientific accuracy of deliverables. Adrian completed his PhD in 2019 at the University of Guelph in the department of Human Health and Nutritional Sciences.

Naomi Robson

BSc, MSc | Scientific Illustrator, Robson Visuals



Naomi Robson is a scientific illustrator passionate about using visualization to communicate science. She is currently attending the University of Toronto's Biomedical Communications program, one of four accredited Masters' level programs focusing on medical visualization, to hone her scientific communication skills. She previously earned an MSc at the University of Guelph in human anatomy education. Naomi freelances at Robson Visuals (www.robsonvisuals.com), is a member of 3D Anatomy Studios, and acts as the Creative Director of Black in Anatomy (www.blackinanatomy.com). Her illustrations are published in clinical handbooks, educational manuals, and journals such as Tissue Engineering, RadioGraphics, and Urologic Oncology.

Meghan Wing

BSc, MSc | Medical Communications Manager, sixsense strategy group



Meghan is a Medical Communications Manager with sixsense strategy group – a boutique consulting firm downtown Toronto. Prior to joining sixsense in June 2020, she obtained her MSc in Medical Biophysics from the University of Toronto. Though graduate school was very fulfilling, Meghan realized her passion for communicating science superseded doing benchwork. This, in addition to her interest in drug development is what drove her to sixsense, where she leads the development of strategic medical communications outputs for clients in the pharmaceutical and biotech sector. She is also a proud University of Guelph alumni (BSch Biomedical Science '16 – GO GRYPHS). Beyond work and academics, Meghan enjoys playing with her mini goldendoodle Finn, staying active at the gym, and baking the perfect batch of banana bread.

Careers in Biology 2022

Speaker Panel: Business & Management

Marie-Michele Rousseau-Clair

BSc, MSc, GDip | Chief Conservation Officer, Nature Conservancy of Canada



Marie-Michèle Rousseau-Clair joined the Nature Conservancy of Canada (NCC) in 2007. She started as a regional stewardship assistant and has since held several positions leading to her current role as chief conservation officer. With 15 years' experience in developing and promoting best practices in conservation programming, Marie-Michèle is responsible for ensuring that NCC's conservation directions are driven by the best available science and knowledge systems and that NCC leverages conservation technology to optimize conservation outcomes. Marie-Michèle holds a bachelor's degree in biology, a master's of project management in land planning and a graduate diploma in sustainable business administration. In her free time, Marie-Michèle and her partner enjoy canoeing, gardening and cross-country skiing, and any other activity that allows them to be outside.

Jason Field

BSc, PhD | President & CEO, Life Sciences Ontario



Dr. Jason Field is President and CEO of Life Sciences Ontario (LSO). LSO collaborates with governments, academia, industry and other life science organizations across Canada to promote and encourage commercial success throughout the diverse sectors. Jason obtained his PhD in Chemistry from the University of Massachusetts and his B.Sc from the University of Waterloo. Jason's professional experience includes the pharmaceutical industry and the Ontario government before joining LSO as Executive Director in October, 2011. He was appointed as President and CEO in April, 2014. He serves on several boards and advisory committees including UofT's Translational Research Program, ReMAP, BioTalent Canada, Research Canada and co-chairs the Resilient Healthcare Coalition. Jason is the 2017 recipient of the Distinguished Alumni Award from the University of Waterloo.

Heather Fotherby

BSc, MSc, PBio | Terrestrial Wetland Biologist, Natural Resource Solutions Inc.



Heather works as a terrestrial wetland biologist in Natural Resource Solutions Inc. Previously, she was a Research Assistant at the University of Durham, in the UK, and a Research Technician at the University of Guelph. Heather is a proud UofG alumna, having graduated with a BSc in Marine and Freshwater Biology and a MSc in Zoology. Fun facts: Heather was part of the UofG Varsity Figure Skating Team, and also actively participated in recreational volleyball and ultimate frisbee.

Careers in Biology 2022

Speaker Panel: Research & Development

Andrew Brereton

BSc, PhD | Senior Computational Scientist, Cyclica



Andrew is a Senior Computational Scientist currently working at Cyclica, Inc. in Toronto. At Cyclica, he works on the Innovation Team, developing and managing new projects designed to push the envelope in AI for Drug Discovery. He completed his PhD in Biophysics in 2017, at Oregon State University, where he focused his research on mining the Protein DataBank (PDB) for information about protein geometry and dynamics, and writing software for structural bioinformatics. Andrew is passionate about modeling and machine learning, entropy, open-source, and digital art. You can find him on Twitter @aebrrer, or discord @aebrrer#0001.

Kathleen Delfosse

BSc, MSc | Research Associate, Deep Genomics



Kathleen is a Research Associate at Deep Genomics. The company's goal is to use artificial intelligence-based predictive models that will identify top candidates for steric blocking oligonucleotide drugs. These predictive models require an abundance of data to be trained. My role in the Next-Generation Sequencing (NGS) Data Generation team is to collect various types of sequencing data from many untreated cell types, both immortalized and primary. While many of these NGS assays are completed externally, my role also entails establishing new high-throughput assays that provide insight on expression regulation.

Reynald Tremblay

BSc, MSc, PhD | President, cFortysix Solutions



Reynald believes in a holistic approach to R&D, one that combines sound scientific principals with considered consumer research. He have worked in the cannabis regulatory space since 2014 and has been a plant molecular biologist for the past two decades. He has worked in Health Canada regulated fields on applied projects for over a decade, and overseen quality assurance/regulatory affairs at a licensed producer. He is also a father of two and knows the importance of establishing a solid work-life balance in maintaining a healthy outlook on life.

Danielle Visschedyk

BSc, PhD | Food Scientist, Ministry of Agriculture, Food and Rural Affairs



Danielle is a Food Scientist with OMAFRA. In her role, she provides scientific and technical advice on food safety issues in the areas of foods of plant origin, fish, diary and meat. She designs, develops and implements programs and scientific studies to monitor food safety standards in the province of Ontario. Before joining OMAFRA, Danielle worked for Custom Biologics, developing and validating bioassays for the development of biologics and other drug products. Danielle earned two degrees from UofG: A BSc in Biochemistry and a PhD in Biophysics.

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Speaker Panel: Education

Jaspreet Kaur

BSc, MSc, MBA | Undergraduate Teaching Coordinator, MCB, University of Guelph



Jaspreet's job as an undergraduate teaching coordinator is to manage the Introductory Biochemistry course at the university. This is the largest biochemistry course on campus with 1000 + students in the Fall semester, 500+ in the Winter semester, and 100+ in the Spring semester. Her duties include planning for the labs, ordering required supplies, ensuring chemicals and reagents are available to all the students at the right time in the right quantities, training the TAs to conduct the labs in a professional manner, supporting the TAs in all their teaching needs, coordinating the invigilation and grading of the exams. In addition to all these, she manages the human aspect of the course, like listening to the student who might have a mental health issue, making them aware of all the resources that they need to cope with the University life.

Nirosha Murugan

BSc, MSc, PhD | Assistant Professor, Algoma University



Dr. Nirosha J. Murugan is an Assistant Professor and early-career scientist at Algoma University. Following her BSc in Behavioural Neuroscience and MSc in Cancer Biology, Dr. Murugan completed her PhD in Biomolecular Science in 2017, where she developed a novel bioimaging tool to detect early tumor formation and biomedical device to stop the proliferation of solid tumors in partnership with MD Anderson Cancer Center in Texas, USA. She then completed a post-doctoral fellowship at Tufts University in Boston, MA where she developed a biomedical device and multi-drug treatment to kick-start limb regeneration in non-regenerative animals. Her current research program at Algoma U, uses a top-down approach to investigate how cancer cell fate can be reprogrammed into healthy cells using regenerative microenvironments.

Cameron Egan

BSc, MSc, PhD | Professor, Department of Biology, Okanagan College



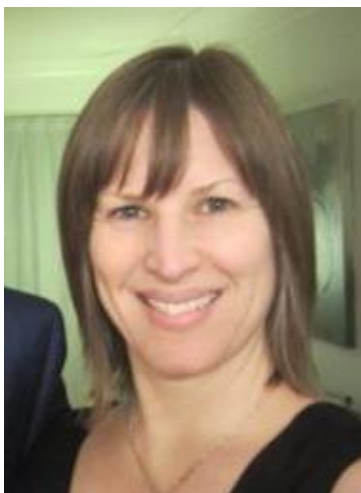
Cameron is a College Professor in the Department of Biology at Okanagan College in Kelowna, BC. He completed a BSc in General Biology and a PhD in Ecology, both from UBC -Okanagan Campus. His PhD work examined biogeographic patterns of arbuscular mycorrhizal fungal communities across North America. After his PhD, he worked as a postdoctoral researcher at the University of Hawai'i at Mānoa. Throughout his academic career teaching has been his passion. Since 2019 he has been a faculty member in the biology department at Okanagan College where his teaching focuses include botany and ecology. He aims to inspire students about the natural world, while arming them with the knowledge, skills, and passion to build meaningful careers and make positive contributions to society.

Careers in Biology 2022

Professional Development Workshops

Julia Leary

BSc, Dip. Career and Work Counselling | Career Advisor, Experiential Learning Hub, University of Guelph



Julia Leary is CBS's dedicated Career Advisor working with undergrads, graduate students, and alumni to provide support with career planning and development, further education, and job search strategies. Julia has a Bachelor of Arts in English and Social Anthropology from the University of Toronto, as well as a diploma in Career and Work Counselling from George Brown College. Prior to joining the University of Guelph in 2017, Julia supported students with career and employment at Georgian College, Ryerson University, and the University of Toronto. She can often be found hiking the beautiful trails of Wellington County with an ice cream cone in one hand and her dog Welly's leash in the other.

Brittney McManus

BSc, Cert. Career Consultant | Coordinator, Student Programs, Experiential Learning Hub, University of Guelph



In her role as Coordinator, Student Programs with the Experiential Learning Hub, Brittney wears many hats as she provides career advising, supports experiential learning initiatives, and supervises the Career Services Peer Helper team. Brittney is a proud Gryphon and has a Bachelor of Arts in Psychology, in addition to a Career Consultant certificate from Mohawk College. Fun fact: as a student at Guelph, Brittney was a member of the quidditch team. Now with 6+ years of employment counselling and career advising experience, Brittney loves helping students take the “ick” out of job searching and empowering them to see what they have to offer.

Careers in Biology 2022

Professional Development Workshops

April Albano

Program Manager, John F. Wood Centre for Business and Student Enterprise in the Lang School of Business and Economics



April is passionate about students and career development. Currently April is saying “yes” to dreams as the Program Manager in the Entrepreneurship Hub on the UofG campus coaching and working with student and alumni entrepreneurs. April is passionate about helping students shape their own future and be their own boss as founders of startups. April has supported students along their career paths for the past 10 years and brings years of personal entrepreneurial experience to her role at UofG.

Jessie Kennedy

Program Coordinator: Marketing, Events and External Relationships, John F. Wood Centre in the Lang School of Business and Economics



Jessie Kennedy joins us from the John F. Wood Centre for Business and Student Enterprise, within the LANG - the Business School at the University of Guelph. As the Program Coordinator: Marketing, Events and External Relationships, Jessie has a passion for innovation and helping entrepreneurs bring their ideas to life! Currently, her main portfolio is to bring awareness to the Wood Centre programs for both internal and external audiences through the coordination of events and marketing. Jessie is currently coordinating the Hub Incubator within the Wood Centre and supports entrepreneurs with helping them find resources and networking opportunities to kick start their business.

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A special THANK YOU to our advisors:
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