THE UNIVERSITY OF BRITISH COLUMBIA

UBC Career Centre

Approaching Professors to Ask about Research Opportunities

Professors want to hear from you and they will also know about opportunities to get involved in research. Keep your emails short and to-the-point. Your message should have a brief introduction and a clear ask. If you are already in a class with the professor, you should say which section you are in and if you are not in their class, mention something about their research or subject of expertise that interests you. To find out more about the professor, take a look at their bio page on the respective department webpage.

Sample Email

Dear Professor [Professor's Last Name],

My name is [your name] and I am in section [section #] *of your* [class name] *class. I am interested in getting involved with research during my undergrad and I wanted to know if I could talk to you about any student positions you have during the next term. Would it be possible to talk to you about this before class on either Tuesday or Thursday of next week?*

I appreciate you considering,

Warmly,

[Your Name]

List of Faculty Supervisors and Research Areas:

Find below a list of supervisors, areas of research and their contact information that we have collected as an initiative to help you better connect with faculty members. Please note that this list is not exhaustive and that you may approach any faculty member (not on this list) that you are interested to work with.

1. Faculty of Applied Science

First Name	Last Name	Department	Area of Research Summary	Website (if any)	Email/ Contact Info
Alex	Bigazzi	Civil Engineering	We do research on active transportation (i.e., cycling, walking, and micromobility), in areas such as travel behaviour and pathway design. Our current research focuses on utilitarian bicycle and pedestrian travel analysis and modeling (speed and route choices, facility and network design, comfort and safety, energy expenditure, air pollution uptake, and more).	https://reactlab.civil.ubc.ca/	abigazzi@civil.ubc.ca
Rachel	Scholes	Civil Engineering	My research group focuses on toxic trace contaminants in water. We aim to understand the fate of chemicals found in stormwater and wastewater, including pharmaceuticals, additives in car tires (e.g., 6PPD-quinone), and compounds in other consumer products (e.g., PFAS). A current area of focus is the impact of chemicals in road runoff on salmon in the Lower Mainland, and how green infrastructure systems could better protect aquatic ecosystems from these contaminants.	https://scholeslab.org/	rachel.scholes@ubc.ca
Jamie	Piret	Chemical and Biomedical Engineering	Many recent developments in biological and medical research have greatly expanded the prospects for regenerative medicine. Cell-based therapies can provide improved treatments for major diseases such as cancer and diabetes. In collaboration with stem cell and immune cell biologists, we are investigating how to more efficiently optimize therapeutic cell bioprocesses. This includes optimizing the complex	https://www.msl.ubc.ca/people/dr-james-piret/	james.piret@ubc.ca

			cytokine effects, as well as developing innovative devices, processes and data analytics technologies.		
Susan	Baldwin	Chemical and Biological Engineering	Bioremediation, Biomonitoring, Bacterial induced metal precipitation, biocementation, Reuse of wastes, Circular economy, Metagenomics		sue.baldwin@ubc.ca
Chester	Upham	Chemical & Biological Engineering	We study the catalysts and processes that produce fuels, chemicals, and power. Current projects include producing hydrogen, methanol, ammonia, and intermediates like syngas and olefins. Using our background in chemical engineering, chemistry, reaction engineering, and materials science, we design materials and processes. Experimental and theoretical techniques are used in combination with characterization and synthesis.	https://upham.chbe.ubc.ca	Chester.upham@ubc.ca
Anthony	Lau	Chemical and Biological Engineering	Resource recovery from biomass waste, focusing on two sub-areas that are pertinent to renewable energy: 1) Quality improvement of lignocellulosic waste biomass through preprocessing and pretreatment of feedstocks to produce high quality solid biofuel (fuel pellets); and 2) Anaerobic digestion of organic wastes to produce gaseous biofuel (biogas and renewable natural gas) and utilization of the residual	https://chbe.ubc.ca/anthony-lau/	anthony.lau@ubc.ca
Martin	Hurst	Micheal Smith Laboratories/Microbiology and Immunology/BC Cancer	Our group works on the interface of molecular and computational biology to study how epigenetic regulatory mechanisms function to control cellular differentiation. We study this in the context of normal development and in cancers where epigenetic regulatory control has been perturbed.	https://hirstlab.msl.ubc.ca	hirstm@mail.ubc.ca

a. Department of ECE

Departmental Research List: https://ece.ubc.ca/research/

Faculty List with Research Areas: https://ece.ubc.ca/people/faculty/

2. Faculty of Education (Kinesiology)

First Name	Last Name	Area of Research Summary	Website (if any)	Email/ Contact Info
Jean-Sébastien	Blouin	Sensorimotor physiology, sensing, balance	https://kin.educ.ubc.ca/research/neuro-mechanical/sensorimotor-physiology-lab/#Home-0	jsblouin@mail.ubc.ca
Daniel	Gamu	Integrative physiology, exercise metabolism, epigenetics	https://kin.educ.ubc.ca/gamu-daniel/	daniel.gamu@ubc.ca
Bill	Sheel	Exercise physiology — with a focus on the lungs and heart	https://kin.educ.ubc.ca/sheel-bill/	bill.sheel@ubc.ca
Desmond	McEwan	Team dynamics in sport	https://kin.educ.ubc.ca/mcewan-desmond/	desmond.mcewan@ubc.ca
Hyosub	Kim	Motor learning and motor control (i.e., how do we acquire, adapt, and refine our motor skills)	https://ccmlab.org	hyosub.kim@ubc.ca
Eli	Puterman	Psychological studies in kinesiology; areas of interest: understanding impact of physical activity and exercise on mental	http://fastlab.kin.educ.ubc.ca	kin.fastlab@ubc.ca; cc: eli.puterman@ubc.ca

		and physical health in high-stressed and equity-deserving groups		

3. Faculty of Land and Food Systems

First Name	Last Name	Department	Area of Research Summary	Website (if any)	Email/ Contact Info
Matt	Mitchell	Applied Biology (APBI)	Our lab works to better understand how to sustainably and equitably manage urban and working landscapes for both people and nature. With our research we strive to inform decision-making and empower conservation leaders. We research the social-ecological processes that affect ecosystems and the benefits they provide to people, with a specific focus on urban and agricultural systems. We integrate diverse interdisciplinary approaches including landscape ecology, ecosystem service science, conservation ecology, field studies, socio-ecological modelling, and mapping.	https://mgemitchell.weebly.com/	matthew.mitchell@ubc.ca
Derek	Dee	Food, Nutrition, and Health (FNH)	We study Food Protein Biophysics and are interested in understanding the mechanisms behind protein/enzyme folding, stability, and aggregation. We examine kinetic trapping of native enzyme conformations, functional amyloid from bacteria, and aggregation of legume seed storage proteins--for applications in basic science, anti-microbial treatment, and plant-based materials, respectively.	https://dee-lab.landfood.ubc.ca/	derek.dee@ubc.ca

Andrea	Frommel	Applied Biology (APBI)	climate change impacts on fish, sustainable aquaculture	https://frommel-lab.landfood.ubc.ca/	andrea.frommel@ubc.ca
Joséphine	Gantois	Food and Resource Economics (FRE)	environmental economics, landscape ecology, agricultural economics, biodiversity conservation, tree growth, plant phenology, causal inference, predictive modeling, remote sensing	https://josephine.gantois.lecuyer.me	josephine.gantois@ubc.ca
Dan	Weary	APBI, Animal Welfare Program	Improving the welfare of farm and lab animals	https://awp.landfood.ubc.ca	dan.weary@ubc.ca
Jonathan	Proctor	Food and Resource Economics (FRE)	My group develops and applies new methods to empirically estimate anthropogenic impacts on climate and, in turn, on global socio-environmental systems. I'm particularly fascinated by how light, water and temperature jointly determine crop growth and how high resolution imagery can be used to measure socio-environmental conditions.	https://www.jonathanproctor.org/	jon.proctor@ubc.ca
Frederik	Noack	Food and Resource Economics (FRE)	My research focuses on the interaction of economic development and the environment. In particular, I am interested in the impacts of improved market access and property rights on land use and natural resources such as fish stocks, forests, and biodiversity. I use mathematical models to guide my empirical analysis and to derive testable predictions. I often collaborate with environmental scientists to better understand and quantify the environmental changes and drivers.	https://frederiknoack.landfood.ubc.ca/ and https://wildconsecon.landfood.ubc.ca/	frederik.noack@ubc.ca

4. Faculty of Medicine

First Name	Last Name	Area of Research Summary	Website (if any)	Email/ Contact Info
Anna	Blakney	RNA Vaccines & Therapies	https://blakneylab.msl.ubc.ca/	anna.blakney@msl.ubc.ca

5. Faculty of Science

a. Botany

First Name	Last Name	Area of Research Summary	Website (if any)	Email/ Contact Info
Keith	Adams	Genome evolution, polyploidy, duplicate gene fates and evolution, evolution of gene regulation, transcriptomics, alternative splicing, non-coding RNAs	N/A	keith.adams@ubc.ca
Amy	Angert	Plant evolutionary ecology; geographic range limits and rarity; population dynamics and community structure.	N/A	amy.angert@botany.ubc.ca
Mary	Berbee	Molecular phylogenetic studies of fungi and evolution of fungal life history stategies.	N/A	mary.berbee@botany.ubc.ca
Jöerg	Bohlmann	Plant molecular biology, genomics and biochemistry. Natural products and chemical ecology of forest trees.	http://www.msl.ubc.ca/faculty/bohlmann/	bohlmann@msl.ubc.ca
Quentin	Cronk	The study of plant form using the techniques of comparative genomics, molecular developmental biology and evolutionary biology.	http://cronklab.wikidot.com/home	quentin.cronk@ubc.ca

Jonathan	Davies	Ecology and evolutionary biology; the distribution of biodiversity and the challenges posed to its conservation through recent changes to the environment.	https://phyloecology.wordpress.com/	j.davies@ubc.ca
Naomi	Fast	Genome evolution, spliceosomal intron evolution, parasitic adaptation - focusing on microsporidia, a highly derived group of parasitic fungi.	N/A	nfast@mail.ubc.ca
Kaitlyn	Gaynor	My research examines the effects of human activity on global biodiversity, with emphases on (1) the behavioral responses of animals to human presence, (2) the effects of anthropogenic disturbance on predator-prey and other species interactions, and (3) the socio-ecological dynamics of conservation and coexistence. This work involves large-scale data synthesis and meta-analyses, and local field studies in North America and Africa.	https://gaynorlab.weebly.com	gaynor@zoology.ubc.ca
Sean	Graham	My lab group works on the evolution, phylogenetics and comparative genomics of diverse groups of land plants (embryophytes), with a particular focus on monocots, a flowering-plant clade that includes the major crop plants that sustain human civilization.	https://scholar.google.ca/citations?user=pA0KzE4AAAAJ&hl=en	swgraham@mail.ubc.ca
Reinhard	Jetter	The plant surface – a vast stage for interactions… How do plants create flexible, long-lasting, water-proof skins that grow with their organs? How do plants seal their vast surface against adverse climatic conditions? How do insects assess host suitability when they first land on a plant? How can plants select for partner insects while excluding their unwanted competitors? How do carnivorous pitcher plants catch their prey?	http://blogs.ubc.ca/jetterlab/	reinhard.jetter@botany.ubc.ca
Patrick	Keeling	Early eukaryote evolution, molecular phylogeny, protistology.	http://www3.botany.ubc.ca/keeling/	pkeeling@mail.ubc.ca

Brian	Leander	Marine invertebrate zoology, protozoology, evolutionary morphology & phylogenetics.	http://www3.botany.ubc.ca/bleander/index.html	bleander@mail.ubc.ca
Xin	Li	Utilizing a combination of molecular genetics, biochemical and genomics approaches to understand plant immunity and biological processes of the soilborne fungal pathogen Sclerotinia sclerotiorum	N/A	xinli@msl.ubc.ca
Wayne	Maddison	Spider systematics and evolution.	http://waynemaddisonlab.wordpress.com	wayne.maddison@ubc.ca
Shawn	Mansfield	Tree biotechnology Relationship between genes expression and phenotypic cell wall and development traits Plant Metabolism (Metabolomics) Cell Wall Development Cellulose Biosynthesis Lignin Biosynthesis Tree Metabolism Sucrose Metabolism Trees and the Environment; Remediation of anthropogenic contaminants: phosphorous salt heavy metals	https://treebiotech.forestry.ubc.ca/	shawn.mansfield@ubc.ca
Patrick	Martone	Marine phycology; biomechanics of macroalgae.	http://www.botany.ubc.ca/martone/	pmartone@mail.ubc.ca
Sean	Michaletz	Ecophysiology, ecosystem ecology, macroecology, scaling, fire behaviour and effects.	www.michaletzlab.org	sean.michaletz@ubc.ca

Alex	Moore	My research focuses on how predator-prey interactions impact the health and functioning of coastal wetland ecosystems and explores the role that cultural values and knowledge play in ecosystem restoration conservation.	https://www.inclusiveconservationlab.com/	alex.moore@ubc.ca
Laura	Parfrey	Research in the Parfrey lab focuses on the microbial ecology of eukaryotic microbes (protists) and bacteria. We work primarily in two distinct ecosystems: the mammalian gut and coastal ecosystems. Our gut microbiome research combines descriptive research with manipulative experiments to ask what is the 'normal' community of eukaryotic microbes (aka "parasites") residing in humans and other mammals, and what are the consequences of losing our microbial diversity? Along coastal British Columbia we are investigating how water column and biofilm microbes colonize marine hosts (invertebrates, seaweed, and sea grass), and how these host-associated microbes impact host and ecosystem health.	https://www.zoology.ubc.ca/~parfrey/parfrey_lab/	lwparfrey@botany.ubc.ca
Loren	Rieseberg	Adaptation, Domestication, Crop Evolution, Hybridization, Speciation, Weed Evolution	https://rieseberglab.botany.ubc.ca/	lriesebe@mail.ubc.ca
Abel	Rosado	Characterization of ER-PM contact site components involved in plant stress tolerance	N/A	abel.rosado@botany.ubc.ca
Lacey	Samuels	Plant cell biology, cellular basis of secretion of plant cell wall components; lignification in xylem development; ABC transporters and cuticle secretion	http://samuelslab.blogspot.com	lsamuels@mail.ubc.ca
Liang	Song	plant genomics, environmental stresses, seed development, gene expression	N/A	liang.song@botany.ubc.ca
Curtis	Suttle	The biology of viruses that infect marine phytoplankton and bacteria, and the role of these viruses in population dynamics and geochemical cycles.	http://www.ocgy.ubc.ca/~suttle/	csuttle@eos.ubc.ca

Marco	Todesco	Our lab studies the genetic and genomic basis of diversity and adaptation in plants, and how this knowledge can help the development of more productive and sustainable crops. We combine cutting-edge genomics, molecular biology, genetics, evolutionary biology and ecology approaches to understand how variation at the DNA level controls how plants interact with their environment. Main projects in the lab look at the role of variation in genetic sequence and chromosome structure in adaptation in wild sunflowers, and at diversity, domestication history and improvement of cannabis.	https://todescolab.msl.ubc.ca/	mtodesco@msl.ubc.ca
Philippe	Tortell	I am a sea-going oceanographer with broad interests in marine biogeochemical cycles. Current work in my research group focuses on understanding the biological, chemical and physical factors regulating oceanic primary productivity and the concentration of climate active gases including carbon dioxide (CO2), dimethylsulfide (DMS), methane (CH4) and nitrous oxide (N2O). My group has made significant contributions to the development and implementation of new measurement techniques based on sea-going mass spectrometry, optical measurements and tracer-based rate incubation experiments. Our Research includes controlled laboratory studies and extensive field campaigns to a number of ocean regions. Current field areas of interest include the Subarctic Pacific Ocean, Canadian Arctic Archipelago and a variety of coastal Antarctic systems.	N/A	ptortell@eos.ubc.ca
Michelle	Tseng	Aquatic and Insect Ecology and Evolutionary Biology We investigate the effect of changing environments on insect and aquatic communities; We use field and laboratory experiments, syntheses of published literature, and natural history collections to investigate ecological and evolutionary responses to climate and habitat change; Our work is grounded in ecological and evolutionary theory and has applications to conservation biology and healthy ecosystems	https://www.bugsandplankton.com/	tsengm@mail.ubc.ca

Geoff	Wasteneys	Plant Cell Biology and Molecular Genetics; organization of the cytoskeleton and its role in cell wall formation, intracellular motility and growth anisotropy in the higher plant Arabidopsis thaliana and the characean algae; plant responses to abiotic and endogenous signals.	https://wasteneyslab.wixsite.com/ubcwasteneys	geoff.wasteneys@botany.ubc.ca
Jeannette	Whitton	Plant molecular systematic and evolution; the evolution of asexual polyploid complexes in higher plants.	http://whittonlab.weebly.com/	jeannette.whitton@botany.ubc.ca

b. Computer Science

First Name	Last Name	Area of Research Summary	Website (if any)	Email/ Contact Info
Giuseppe	Carenini	Artificial Intelligence, NLP, Visualization	https://www.cs.ubc.ca/~carenini/	carenini@cs.ubc.ca
Jeff	Clune	Artificial Intelligence, Machine Learning, Robotics	http://jeffclune.com/	jeff.clune@ubc.ca
Cristina	Conati	Artificial Intelliigence, Human-computer Interaction	https://hai.cs.ubc.ca/	conati@cs.ubc.ca
Kevin	Leyton-Brown	Algorithmic Game Theory, Artificial Intelligence, Machine Learning	https://www.cs.ubc.ca/~kevinlb/	kevinlb@cs.ubc.ca
Raymond	Ng	Bioinformatics, Data Management and Mining, NLP	https://www.cs.ubc.ca/~rng/	rng@cs.ubc.ca
David	Poole	Artificial Intelligence	https://www.cs.ubc.ca/~poole/	poole@cs.ubc.ca

Mark	Schmidt	Machine Learning	https://www.cs.ubc.ca/~schmidtm/	schmidtm@cs.ubc.ca
Leonid	Sigal	Machine Learning, Vision	https://www.cs.ubc.ca/~lsigal/	lsigal@cs.ubc.ca
Danica	Sutherland	Artificial Intelligence, Machine Learning	https://djsutherland.ml/	dsuth@cs.ubc.ca
Michiel	van de Panne	Artificial Intelligence, Graphics	https://www.cs.ubc.ca/~van/	van@cs.ubc.ca
Frank	Wood	Artificial Intelligence, Machine Learning, Programming Languages	https://www.cs.ubc.ca/~fwood/	fwood@cs.ubc.ca
Kwang	Moo Yi	Graphics, Machine Learning, Virtual/Augmented Reality, Vision	https://www.cs.ubc.ca/~kmyi/	kmyi@cs.ubc.ca
Patrice	Belleville	Algorithms, Computer Science Education	https://www.cs.ubc.ca/~patrice/	patrice@cs.ubc.ca
Anne	Condon	Bioinformatics	https://www.cs.ubc.ca/~condon/	condon@cs.ubc.ca
Jiarui	Ding	Bioinformatics, Machine Learning, Visualization	https://www.cs.ubc.ca/~jiaruid/	jiarui.ding@ubc.ca
William	Evans	Computational Geometry	https://www.cs.ubc.ca/~will/	will@cs.ubc.ca
Michael	Friedlander	Algorithms, CAIDA, MILD, SCL	https://friedlander.io/	michael.friedlander@ubc.ca

Joel	Friedman	Algorithms	https://www.cs.ubc.ca/~jf/	jf@cs.ubc.ca
Nick	Harvey	Algorithms	https://www.cs.ubc.ca/~nickhar/	nickhar@cs.ubc.ca
Bruce	Shephard	Algorithms, Caida	http://www.bsheph erd.ca/	fbrucesh@cs.ubc.ca
Helge	Rhodin	Graphics, Machine Learning, Virtual/Augmented Reality, Vision	https://www.cs.ubc.ca/~rhodin/	rhodin@cs.ubc.ca
Chen	Greif	Scientific Computing - Numerical Linear Algebra	https://www.cs.ubc.ca/~greif/	greif@cs.ubc.ca
Alan	Hu	Formal Methods	https://www.cs.ubc.ca/~ajh/	ajh@cs.ubc.ca
Laks	V.S Lakshmanan	Data Management and Mining	https://www.cs.ubc.ca/~laks/	laks@cs.ubc.ca
Karon	MacLean	Human-computer Interaction	https://www.cs.ubc.ca/~maclean/	maclean@cs.ubc.ca
Joanna	McGrenere	Human-computer Interaction	https://www.cs.ubc.ca/~joanna/	joanna@cs.ubc.ca
Ian	Mitchell	Robotics, Scientific Computing	https://www.cs.ubc.ca/~mitchell/	mitchell@cs.ubc.ca
Tamara	Munzer	Human-computer Interaction, Visualization	https://www.cs.ubc.ca/~tmm/	tmm@cs.ubc.ca

Gail	Murphy	Software Engineering	https://blogs.ubc.ca/gailcmurphy/	murphy@cs.ubc.ca
Dinesh	Pai	Graphics, Machine Learning, Scientific Computing, Virtual/Augmented Reality	https://www.cs.ubc.ca/~pai/	pai@cs.ubc.ca
Rachel	Pottinger	Data Management and Mining	https://www.cs.ubc.ca/~rap/	rap@cs.ubc.ca
Andrew	Roth	Bioinformatics, Machine Learning	https://aroth85.github.io/	aroth@cs.ubc.ca
Margo	Seltzer	Systems	http://www.seltzer.com/margo	mseltzer@cs.ubc.ca
Alla	Sheffer	Graphics, Virtual/Augmented Reality	https://www.cs.ubc.ca/~sheffa/	sheffa@cs.ubc.ca
Vered	Shwartz	Artificial Intelligence, Machine Learning, NLP	https://www.cs.ubc.ca/~vshwartz/	vshwartz@cs.ubc.ca
Dongwook	Yoon	Human-computer Interaction, Virtual/Augmented Reality	https://dwyoon.com/	yoon@cs.ubc.ca
Ivan	Beschastnikh	Systems, Software Engineering	https://www.cs.ubc.ca/~bestchai/	bestchai@cs.ubc.ca
Robert	Xiao	Human-computer Interaction, Virtual/Augmented Reality	https://www.robertxiao.ca/	brx@cs.ubc.ca
Mark	Greenstreet	Formal Method	https://www.cs.ubc.ca/~mrg/	mrg@cs.ubc.ca

Mi Jung	Park	MILD, ML	https://www.cs.ubc.ca/~mijungp/	mijungp@cs.ubc.ca
Mathias	Lecuyer	Machine Learning, Security & Privacy, Systems	http://mathias.lecuyer.me/	mathias.lecuyer@ubc.ca
William	J. Bowman	Programming Languages	https://www.williamjbowman.com/	wilbowma@cs.ubc.ca
Ronald	Garcia	Programming Languages	https://www.cs.ubc.ca/~rxg/	rxg@cs.ubc.ca
Reid	Holmes	Software Engineering	https://www.cs.ubc.ca/~rtholmes/	rtholmes@cs.ubc.ca
Gregor	Kiczales	Programming Languages, Computer Science Education	https://www.cs.ubc.ca/~gregor/	gregor@cs.ubc.ca
Caroline	Lemieux	Programming Languages, Security & Privacy, Software Engineering	https://www.carolemieux.com/	clemieux@cs.ubc.ca
Alex	Summers	Programming Languages, Software Engineering	https://www.cs.ubc.ca/~alexsumm/	alex.summers@ubc.ca
Mike	Feeley	Systems	https://www.cs.ubc.ca/~feeley/	feeley@cs.ubc.ca
Arpan	Gujarati	Systems	http://arpangujarati.github.io/	arpanbg@cs.ubc.ca
Norm	Hutchinson	Systems	https://www.cs.ubc.ca/~norm/	norm@cs.ubc.ca

Aastha	Mehta	Networking, Security & Privacy, Systems	https://aasthakm.github.io/	aasthakm@cs.ubc.ca
Thomas	Pasquier	Security & Privacy, Systems	https://tfjmp.org/	tfjmp@cs.ubc.ca
Alan	Wagner	Systems	https://www.cs.ubc.ca/~wagner/	wagner@cs.ubc.ca
Paul	Carter	Computer Science Education	https://www.cs.ubc.ca/~pcarter/	pcarter@cs.ubc.ca
Varada	Kolhatkar	Computer Science Education, NLP	https://kvarada.github.io/	kvarada@cs.ubc.ca
Giulia	Toti		https://www.gtoti.com/	gtoti@cs.ubc.ca
Cinda	Heeren	Computer Science Education	https://scholar.google.com/citations?hl=en&inst=17001591832933267808&user=FJdmEfYAAAAJ	cheeren@cs.ubc.ca
Karina	Mochetti	Computer Science Education	https://www.cs.ubc.ca/~mochetti/	mochetti@cs.ubc.ca
Oluwakemi	Ola	Computer Science Education	https://www.cs.ubc.ca/~kemiola/index.html	kemiola@cs.ubc.ca

Steve	Wolfman	Computer Science Education	https://www.cs.ubc.ca/~wolf/	wolf@cs.ubc.ca

c. Earth, Ocean and Atmospheric Sciences (EOAS)

First Name	Last Name	Area of Research Summary	Website (if any)	Email/ Contact Info
Lindsay	Heagy	Data science, Inverse Theory, Machine learning, Electromagnetics, Potential Fields	https://www.eoas.ubc.ca/people/lindseyheagy	lheagy@eoas.ubc.ca
Ken	Hickey	Hydrothermal ore-deposit geology, Fluid-rock interaction, Thermochronology, Structural geology, Field geology	https://www.eoas.ubc.ca/people/kennethhickey	khickey@eoas.ubc.ca
Tiegan	Hobbs	Earthquakes, secondary hazards, and seismic risk through the lens of seismology, geodesy, geotechnical engineering, and risk modeling	https://www.eoas.ubc.ca/people/tieganhobbs	thobbs@eoas.ubc.ca
Mark	Jellinek	Physical volcanology, Geodynamics, Planetary science, Earth systems Science, Geological Fluid Mechancis	https://www.eoas.ubc.ca/people/markjellinek	mjellinek@eoas.ubc.ca
Catherine	Johnson	Planetary interiors, Planetary magnetism, Space physics	https://www.eoas.ubc.ca/people/catherinejohnson	cjohnson@eoas.ubc.ca

Maya	Kopylova	Diamonds, Mantle petrology, Kimberlites, Mantle xenoliths	https://www.eoas.ubc.ca/people/mayakopylova	mkopylova@eoas.ubc.ca
Sun	Kwok	Stellar evolution, interstellar chemistry, space astronomy	https://www.eoas.ubc.ca/people/sunkwok	skwok@eoas.ubc.ca
Maite	Maldonado	Phytoplankton ecophysiology, Biological oceanography, Trace metal stoichiometry, Iron and copper homeostasis	https://www.eoas.ubc.ca/people/mariatmaitemaldonado	mmaldonado@eoas.ubc.ca
Ulrich	Mayer	Groundwater geochemistry, Groundwater hydrology, Groundwater contamination and remediation, Environmental aspects of mine waste	https://www.eoas.ubc.ca/people/ulrichmayer	umayer@eoas.ubc.ca
Scott	McDougall	Geohazards, Landslides, landslide-generated waves, shoreline erosion, runout analysis	https://www.eoas.ubc.ca/people/scottmcdougall	smcdouga@eoas.ubc.ca
Anais	Orsi	Atmospheric science, Climate change, Climate modelling, palaeoclimate	https://www.eoas.ubc.ca/people/anaisorsi	aorsi@eoas.ubc.ca
Yevhenii	Pakhomov	Feeding ecophysiology of aquatic invertebrates and fishes, Antarctic ecology, Antarctic krill biology, Tunicate biology, Fishery ecology, Stable isotope ecology	https://www.eoas.ubc.ca/people/evgenypakhomov	evgeny.pakhomov@ubc.ca
Rich	Pawlowicz	Coastal systems, Physical oceanography, Geophysical fluid dynamics, Properties of seawater, Observational oceanography	https://www.eoas.ubc.ca/people/richpawlowicz	rpawlowicz@eoas.ubc.ca
Simon	Peacock	Metamorphic petrology, Subduction zones, Earthquakes, Tectonics	https://www.eoas.ubc.ca/people/simonpeacock	speacock@eoas.ubc.ca

Velentina	Radic	Glacier meterology, Machine learning, Data analysis, Climate change	https://www.eoas.ubc.ca/people/valentinaradic	vradic@eoas.ubc.ca
Kelly	Russell	Volcanology, Petrology, Thermodynamics, Magma-Rheology	https://www.eoas.ubc.ca/people/kellyrussell	krussell@eoas.ubc.ca
Joel	Saylor	Tectonic drivers of sedimentary basin formation, Depositional systems, Sediment provenance, Paleoaltimetry, Orogenesis/climate feedbacks	https://www.eoas.ubc.ca/people/joelsaylor	jsaylor@eoas.ubc.ca
Christian	Schoof	Ice sheet and glacier dynamics, glacier hydrology, mathematical modelling, field instrumentation	https://www.eoas.ubc.ca/people/christianschoof	cschoof@eoas.ubc.ca
James	Scoates	Geochronology, igneous petrology, Magmatic ore deposits, Isotope geochemistry, layered intrusions	https://www.eoas.ubc.ca/people/jamesscoates	scoates@mail.ubc.ca
Matthijs	Smit	Geochronology, Petrology, High-temperature geochemistry, Tectonics	https://www.eoas.ubc.ca/people/matthijssmit	msmit@eoas.ubc.ca
Roland	Stull	Numerical weather prediction, Weather-related disasters, Clean-energy meteorology, Air quality, Boundary layers	https://www.eoas.ubc.ca/people/rolandstull	rstull@eoas.ubc.ca
Curtis	Suttle	Biological oceanography, Microbial diversity, Marine virology, Virus diversity	https://www.eoas.ubc.ca/people/curtissuttle	csuttle@eoas.ubc.ca

Philippe	Tortell	I am a sea-going oceanographer with broad interests in marine biogeochemical cycles. Current work in my research group focuses on understanding the biological, chemical and physical factors regulating oceanic primary productivity and the concentration of climate active gases including carbon dioxide (CO2), dimethylsulfide (DMS), methane (CH4) and nitrous oxide (N2O). My group has made significant contributions to the development and implementation of new measurement techniques based on sea-going mass spectrometry, optical measurements and tracer-based rate incubation experiments.Our Research (selected projects described below) includes controlled laboratory studies and extensive field campaigns to a number of ocean regions. Current field areas of interest include the Subarctic Pacific Ocean, Canadian Arctic Archipelago and a variety of coastal Antarctic systems.	https://www.eoas.ubc.ca/people/philippetortell	ptortell@eoas.ubc.ca
Stephanie	Waterman	Physical oceanography, Geophysical fluid dynamics, Turbulence	https://www.eoas.ubc.ca/people/stephaniewaterman	swaterman@eoas.ubc.ca
Dominique	Weis	Elemental and isotopic geochemistry, Mantle plumes, Mantle dynamics, Environmental tracers, Geochronology	https://www.eoas.ubc.ca/people/dominiqueweis	dweis@mail.ubc.ca
Rachel	White	Atmospheric science, Climate change, Climate modelling, Seasonal predictability, Geophysical fluid dynamics	https://www.eoas.ubc.ca/people/rachelwhite	rwhite@eoas.ubc.ca

d. Institute for Resources, Environment and Sustainability (IRES)

First Name	Last Name	Area of Research Summary	Website (if any)	Email/ Contact Info
Gunilla	Öberg	Science and expertise, and the evaluation of chemical risk	https://ires.ubc.ca/gunilla_oberg/ https://ires.ubc.ca/personnel/faculty/core-faculty/	Gunilla.oberg@ubc.ca
Joséphine	Gantois	Environmental economics, landscape ecology, agricultural economics, biodiversity conservation, tree growth, plant phenology, causal inference, predictive modeling, remote sensing	https://ires.ubc.ca/josephine-gantois/	josephine.gantois@ubc.ca
Leila	Harris	Water governance, environmental justice, equity and feminist perspectives.	https://ires.ubc.ca/leila-m-harris/	lharris@ires.ubc.ca
Kai	Chan	Rewilding, social-ecological systems, environmental values, sustainability science, biodiversity conservation, urban ecology, transformative change, relational values, ecosystem services	https://chanslab.ires.ubc.ca/people/chan/	kai.chan@ubc.ca

e. Zoology

First Name	Last Name	Area of Research Summary	Website (if any)	Email/Contact Info
Kota	Mizumoto	We study the genetic basis of neural development using roundworm (*C. elegans*) as a model organism. Our current research focuses are to uncover the mechanisms of precise synapse formation and specificity, and neurite extension/retraction. We use various genetics techniques (such as forward genetic screening and CRISPR/Cas9 genome editing), molecular biology (PCR, cloning), and microscopy (fluorescence compound and confocal microscopes). No prior research experience is required. Students who (will) have taken genetics courses (BIOL234, BIOL335) are preferred.	https://www.zoology.ubc.ca/~mizumoto/lab_blog/	kota.mizumoto@ubc.ca
Judith	Mank	Why are males and females different? How are these differences encoded by the genome? We study what drives sexual dimorphism, and the genomic and transcriptomic building blocks underlying the differences we observe between the sexes. We use computational and genomic methods, and all potential student projects will be primarily bioinformatic rather than organismal.	https://www.zoology.ubc.ca/mank-lab/	judith.mank@ubc.ca
Katie	Marshall	Our lab works on understanding cryobiology: the study of how organisms survive low temperature. We use lots of different techniques, including working with live animals, molecular biology, computer modelling, and biochemistry to examine	www.marshall-lab.com	kmarshall@zoology.ubc.ca

		everything from cryoprotectant synthesis to the effects of cold on metabolism.		
Kayla	King	evolution and ecology of host-parasite interactions, focusing on the impacts of global change	http://www.thekinglab.com/	king@zoology.ubc.ca
Amy	Angert	Research in the Angert Lab lies at the interface of ecology and evolutionary biology. Much of our research focuses on the evolutionary ecology of species' geographic distributions, asking what limits adaptation at the edges of species' ranges, why closely related species vary by orders of magnitude in range size, and how ranges are likely to shift in response to climatic changes. We combine experimental manipulations in the field and in the lab with observations of natural populations and tools from quantitative genetics and physiological ecology.	https://angert.github.io/	amy.angert@botany.ubc.ca
Kaitlyn	Gaynor	Understanding the role of humans in ecosystems is critical and urgent for biodiversity conservation, especially given the rapid growth of the global anthropogenic footprint. Research in the Gaynor Lab examines the effects of this ever-expanding human activity on global biodiversity, with emphases on (1) the behavioral responses of animals to human presence, (2) the effects of anthropogenic disturbance on predator-prey and other species interactions, and (3) the socio-ecological dynamics of conservation and coexistence. This work involves large-scale data synthesis and meta-analyses, and local field studies in North America and Africa.	www.gaynorlab.weebly.com	kaitlyn.gaynor@ubc.ca

f. Chemistry

Below are the relevant links shared by the department to connect with supervisors:

People Directory: https://www.chem.ubc.ca/people-directory

Research Faculty: https://www.chem.ubc.ca/faculty

Research Areas: https://www.chem.ubc.ca/research-areas

Research Centres: https://www.chem.ubc.ca/affiliated-research-centres

g. Mathematics

Below are the relevant links shared by the department to connect with supervisors:

List of Faculty Members: https://www.math.ubc.ca/undergraduate/employment/undergraduate-research-positions

Research Topics: https://www.math.ubc.ca/research/research-topics

Contact Information: https://www.math.ubc.ca/about-our-department/directory#quickset-directory2

6. Sauder School of Business

Faculty Directory: https://www.sauder.ubc.ca/thought-leadership/faculty-directory

https://mybcom.sauder.ubc.ca/csp

7. UBC-O Health and Exercise Sciences

First Name	Last Name	Area of Research Summary	Website (if any)	Email/ Contact Info
Philip	Ainslie	Environmental physiology	https://hes.ok.ubc.ca/about/contact/philip-ainslie/	philip.ainslie@ubc.ca
Brian	Dalton	Sensorimotor control of the human nervous system	https://hes.ok.ubc.ca/about/contact/brian-dalton/	brian.dalton@ubc.ca
Neil	Eves	Pulmonary, cardiac and vascular physiology	https://hes.ok.ubc.ca/about/contact/neil-eves/	neil.eves@ubc.ca
Glen	Foster	Circulatory Physiology	https://hes.ok.ubc.ca/about/contact/glen-foster/	glen.foster@ubc.ca
Jennifer	Jakobi	Aging and Older Adults	https://hes.ok.ubc.ca/about/contact/jennifer-jakobi/	jennifer.jakobi@ubc.ca
Jonathan	Little	Human Metabolism	https://hes.ok.ubc.ca/about/contact/jonathan-little/	jonathan.little@ubc.ca

Ali	McManus	Pediatric Physiology	https://hes.ok.ubc.ca/about/contact/ali-mcmanus/	ali.mcmanus@ubc.ca
Chris	McNeil	Adaptability of the human neuromuscular system	https://hes.ok.ubc.ca/about/contact/chris-mcneil/	chris.mcneil@ubc.ca
Rob	Shave	Effects of exercise on the human heart	https://hes.ok.ubc.ca/about/contact/robert-shave/	rob.shave@ubc.ca
Paul	van Donkelaar	Traumatic Brain Injury	https://hes.ok.ubc.ca/about/contact/paul-van-donkelaar/	paul.vandonkelaar@ubc.ca