# Faculty - Ocean Sciences

Dr. Mark Abrahams

Professor | Departments of Ocean Sciences and Biology

Research Interests: Research focuses on predator-prey interactions, how they are affected by the physical environment, and their impact on habitat quality.

[Dr. Mark Abrahams](https://www.mun.ca/osc/dr-mark-abrahams/)

T: (709) 864-8154 | E: mabrahams@mun.ca |

Dr. Ian Fleming

Professor | Department of Ocean Sciences

Research Interests: Research focuses on evolutionary and behavioral ecology, with an emphasis on fish breeding systems, life history diversity, phenotypic plasticity and survival strategies in the context of conservation and management.

[Dr. Ian Fleming](https://www.mun.ca/osc/dr-ian-fleming/)

T: (709) 864-3586 | E: ifleming@mun.ca |

Dr. Patrick Gagnon

Department Head | Department of Ocean Sciences

Research Interests: Research investigates factors and processes governing the structure and function of shallow, marine benthic ecosystems in subarctic and cold temperate regions, while contributing novel approaches to the study of these ecosystems at meaningful scales.  
[Open research positions in the COBEL](http://www.ucs.mun.ca/~pgagnon/joincobel.html)

T: (709) 864-7663 | E: pgagnon@mun.ca |

<http://www.ucs.mun.ca/~pgagnon/>

Dr. Kurt Gamperl

Professor | Department of Ocean Sciences

Research Interests: Research examines how environmental factors (e.g. hypoxia, temperature, domestication, pollutants, etc.) affect fish physiology, and whether the impacted fishes have the capacity to compensate for/adapt to these changes.

[Dr. Kurt Gamperl](https://www.mun.ca/osc/dr-kurt-gamperl/)

T: (709) 864-2692 | E: kgamperl@mun.ca |

Dr. Iain J. McGaw

Deputy Head (Undergraduate) | Department of Ocean Sciences

Research Interests: Research investigates the digestive physiology and movement of crustaceans and how animals balance the demands of several systems during environmental perturbations.

[Dr. Iain McGaw](https://www.mun.ca/osc/dr-iain-mcgaw/)

T: (709) 864-3272 | E: ijmcgaw@mun.ca |

Dr. Annie Mercier

Professor | Department of Ocean Sciences

Research Interests: Research focuses on species interactions and the influence of environmental factors on reproductive and feeding processes at various scales in benthic marine organisms. Major research areas include chronobiology, phenology, larval ecology, deep-sea biology, ocean acidification and aquaculture.

[Dr. Annie Mercier](https://www.mun.ca/osc/our-people/faculty---ocean-sciences/dr-annie-mercier/)

T: (709) 864-2011 | E: amercier@mun.ca |

<http://www.ucs.mun.ca/~amercier/> | <https://www.mun.ca/osc/dr-annie-mercier/>

Dr. Chris C. Parrish

Professor | Department of Ocean Sciences

University Research Professor  
Research Interests: Research focuses on the production, transport, fate and effects of lipids and other organic compounds in food webs.

[Dr. Chris Parrish](https://www.mun.ca/osc/dr-chris-parrish/)

T: (709) 864-3225 | E: cparrish@mun.ca |

Dr. Uta Passow

Professor | Department of Ocean Sciences

Research Interests: Impact of climate change and contaminants on the biological carbon pump. This research will increase our understanding of the impacts of climate change and oil or plastic pollution on marine ecosystems and allow development of mediating measures.

[Dr. Uta Passow](https://www.mun.ca/osc/dr-uta-passow/)

T: (709) 864-8010 | E: uta.passow@mun.ca |

<https://www.mun.ca/osc/aeon-laboratory/>

Dr. Matthew L. Rise

Professor | Department of Ocean Sciences

Research Interests: Research uses functional genomic tools and techniques to study the genes and molecular pathways involved in aquatic animal growth, development, and responses to pathogens and environmental stressors (e.g. pollutants, temperature stress).

[Dr. Matthew Rise](https://www.mun.ca/osc/dr-matthew-rise/)

T: (709) 864-7478 | E: mrise@mun.ca |

Dr. Javier Santander

Professor | Department of Ocean Sciences

Research Interests: Molecular mechanisms of bacterial pathogenesis and immunity in marine aquatic organism towards needle free vaccine development.

T: (709) 864-3268 | E: jsantander@mun.ca |

<https://www.mun.ca/osc/dr-javier-santander/>

Dr. David C. Schneider

Professor | Department of Ocean Sciences

Research Interests: Research addresses the problem of spatial scale in the environmental sciences, with an emphasis on spatial scaling as it has developed in oceanography, ecology, and aquaculture and fisheries.

[Dr. David C. Schneider](https://www.mun.ca/osc/dr-david-c-schneider/)

T: (709) 864-8393 | E: David.Schneider@mun.ca |

Dr. Paul Snelgrove

Research Professor | Department of Ocean Sciences

Research Interests: Research focuses on the links between fish and invertebrate larval behaviour and transport, and how they contribute to recruitment success, population connectivity, and spatial patterns in coastal environments

T: (709) 864-3440 | E: psnelgrove@mun.ca |

<https://www.mun.ca/osc/dr-paul-snelgrove/>

Dr. Joseph S. Wroblewski

Professor | Department of Ocean Sciences

Research Interests: Research explores the effects of air-sea interaction on large scale marine ecosystem domains, with a special focus on assessing the impact of anticipated climate change on global fisheries production.

[Dr. Joseph S. Wroblewski](https://www.mun.ca/osc/dr-joseph-s-wroblewski/)

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