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Winter 2021 courses  
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# BIOBEAT

Nov 2, 2020



## Who's who for Independent Projects

Below is a list of the people in the Biology Department with whom you could potentially work with if you are interested in pursuing research and

scholarship at MRU. You'll get an idea of each person's interests, whether they take students on for 3299, 4299, 5201, and or 5202 projects.

| <i>Name</i>                       | <i>Courses</i>           | <i>Key Words</i>   |
|-----------------------------------|--------------------------|--|
| Carol Armstrong                   | 3299,4299<br>5201,5202   | Developmental neurobiology, cerebellar anatomy, reproductive physiology, pregnancy and disease, health science career choices  |
| Mike Asmussen                     | 3299,4299,5<br>5201,5202 | Neural control of muscles, biomechanics, sensorimotor physiology, human performance, anything about locomotion   |
| Adrienne Benediktsson             | 3299,4299<br>5201,5202   | 3D morphology of microglia, astrocytes, and neurons, Multiple Sclerosis and Fluorescence and Confocal Microscopy   |
| David Bird                        | 3299,4299<br>5201,5202   | Cellular and Molecular genetics of plants, development of the plant cuticle, secondary metabolism.   |
| Trevor Day                        | 3299,4299<br>5201,5202   | Respiratory chemoreflexes, blood gas challenges, high altitude, cerebral blood flow  |
| Sarah Hewitt                      | 3299, 4299               | Neuroscience, physiology, scholarship of teaching and learning (SoTL), science communication, science writing  |
| Dorothy Hill                      | 3299, 4299               | Conservation Biology, Behavioural Ecology  |
| Jon Mee                           | 3299,4299<br>5201,5202   | Fish morphology, evolutionary genomics, metagenomics, natural selection, ecology   |
| Tracy O'Connor                    | 3299, 4299               | Anything microbiology-related  |
| Sarah Orton<br>(back in Feb 2021) | 3299,4299<br>5201,5202   | Multiple sclerosis, vitamin D, gene expression, SoTL   |
| Melanie Rathburn                  | 3299,4299<br>5201,5202   | Ecology, biodiversity, conservation biology, animal behaviour, Scholarship of Teaching and Learning - specifically intercultural competence, global learning, and science literacy (specifically around reading) |
| Tatiana Rogasevskaia              | 3299,4299<br>5201,5202   | Membrane biology, membrane lipids, membrane proteins, membrane fusion, regulated exocytosis, melanosomes, melanin, NCKX proteins, NCKX5, lipidomics, proteomics  |
| Nick Strzalkowski                 | 3299,4299<br>5201,5202   | Sensorimotor physiology, movement disorders (dystonia and Parkinson's disease), space physiology, science literacy, scholarship of teaching and learning (SoTL)  |