



# Biology Department Day Schedule

## Friday April 30th 2021



Time	Event	talk length	Presenter	Lab/affiliation	Presentation Title
9:30	<b>Opening Remarks</b>				
			Gregor Fussmann, Planning Committee		
9:40-10:40	<b>Talk Session 1</b>	3	*Mia Marcellus	Fiona Soper	Functional diversity of the fabulous Fabaceae
		6	*Yi Zhao	Dan Schoen	Ecotypic differentiation on the chasmogamous flowers of <i>Impatiens capensis</i> (Balsaminaceae)
		3	Pinaki Swain	Stephanie C. Weber	Molecular dynamics simulation to find material properties of biomolecular condensates
		3	Paul MacKeigan	Irene Gregory-Eaves	Modelling cyanobacteria blooms across hundreds of Canadian lakes
		3	Amy Smith-Dijak	Alanna Watt	The Role Torpedoes in Neurodegenerative Disease
		3	*Mary Nicoll	David Dankort	Unravelling oncogene-induced senescence in lung adenocarcinoma
		3	Jigar Trivedi	Melania Cristescu	Mutational and Transcriptional dynamics of <i>Daphnia pulex</i> in Mutation accumulation lines
		6	*Hannah Owens	Michael Hendricks	TACAN in <i>C. elegans</i> mechanotransduction
10:40-11:00	<b>morning break</b>				
11:00-12:00	<b>Talk Session 2</b>	3	Marie-Eve Monchamp	Irene Gregory-Eaves	How effective are lake metagenomes in detecting metazoans?
		3	Robert Hechler	Melania Cristescu	Using environmental RNA (eRNA) to investigate the transcriptomic response of heat stressed <i>Daphnia pulex</i>
		6	Madeleine Gauthier	EDI committee	Departmental EDI committee
		3	Erin Wall	Sarah Woolley	Experience-dependent plasticity of auditory preferences
		3	*Jonathan Diamond	Virginie Millien	Chipping in: How the beaver is interacting with North American ecosystems
		3	Claire Edrington	Gary Brouhard	Career outcomes of PhDs
		3	*Andrea Brown	Laura Pollock	Vulnerability risk assessment of Canadian birds to climate change
		6	Grant Haines	Andrew Hendry	Patterns and process of contemporary evolution of trophic morphology and integration in an introduced population of threespine stickleback
3	*Ila Ghoshal	Arnold Hayer	Rho GTPase signalling dynamics in migrating and stationary endothelial cells		
12:00-12:50	<b>Lunch</b>				
12:50-1:40	<b>Talk Session 3</b>	3	Nathalie Jreidini	David Green	Density-dependent dispersal: from a single toad species to a multi-taxa meta-analysis
		6	Charles Xu	Rowan Barrett	The role of our department in the history of eugenics at McGill and beyond.
		3	*Mathieu Guillemette	Catherine Potvin	Should we value more large tropical tree in climate change mitigation schemes?
		6	Mark Jewell	Graham Bell	Effect of microbiome on plant phenotype and fitness
		3	Jiayi Zhu	Tomoko Ohyama	How do nervous systems encode action sequences?
		3	*Isabella Catalano	Sarah Woolley	The Role of Multimodal Sensory Integration in Individual Recognition
		3	Fiona Soper	Fiona Soper	Can a happy volcanic coincidence help predict climate change?
		3	*Alexandre Demers-Potv	Hans Larsson	A giant marine reptile is coming to the museum!
1:40-2:00	<b>afternoon break</b>				
2:00-3:30	<b>EDI workshop</b>	90	Andrea Clegg	Equity at McGill	Applying an Equity, Diversity and Inclusion (EDI) Lens to the Research Team
3:30-4:00	<b>afternoon break</b>				
4:00-4:45	<b>Talk Session 4</b>	6	*Katia Forgues	Catherine Potvin	Maximizing plot level carbon storage: what are the key considerations for a community-based reforestation initiative?
		6	Kiyoko Gotanda	Kiyoko Gotanda	Ecology, Evolution, and Behaviour at Brock University
		3	*Sebastian Wittekindt	Michael Hendricks	Using computer vision to record neural dynamics in freely moving animals
		3	Kate Sheridan	Jenn Sunday	Something about eDNA and biogeography
		3	Dirley Cortes	Hans Larsson	PALEOMUSEO: bringing Paleontology to a digital world
		3	*Victoria Tawa	Dr. David M. Green	Anuran responses to multiple disturbance types
3	Silvia Armenta Jaime	Rodrigo Reyes Lamothe	Evolving replicative DNA polymerases from <i>E. coli</i>		
4:45-5:00	<b>Closing Remarks</b>				
	Planning Committee				
	<b>Dinner break</b>				
7:00-9:00	<b>Evening Social on Wonder</b>				
		drinks, games, socializing etc. with awards announcement			
			* indicated a first year student presenter		