

IGTC Programme Schedule

Day	Time	Activity	Room
Fri Jul 24 th	8:30am – 9:00am	Registration and coffee	MATX 1115
	9:00am – 10:00am	Plenary talk: <i>Two stories about proteins involved in diabetes</i> speaker: Leah Edelstein-Keshet	MATH225
	10:00am – 10:20am	<i>Spatiotemporal patterns behind predator invasions in a model with non-local prey competition</i> speaker: Sandi Merchant	MATH225
	10:20am – 10:40am	<i>R0 analysis of spatial population models</i> speaker: Hannah Mckenzie	MATH225
	10:40am – 11:10am	Coffee break	MATX 1115
	11:10am – 11:30am	<i>Early Plant Primary Succession on Mount St. Helens: Mechanisms and Mathematical Models</i> speaker: Justin Marleau	MATH225
	11:30am – 11:50am	<i>Pink salmon and sea lice as a host-parasite system with host age-structure: implications for salmon farming and chemical resistance development in lice</i> speaker: Jaime Ashander	MATH225
	noon – 2:00pm	Lunch - attendees on their own	
	2:00pm – 2:20pm	<i>A mathematical model of syringe-sharing partnerships and the transmission of blood-borne infections.</i> speaker: Jennifer Lindquist	MATH225
	2:20pm – 2:40pm	<i>Quantifying transient directed motion in single particle tracks using a hidden Markov model</i> speaker: Jennifer Morrison	MATH225
	2:40pm – 3:10pm	Coffee break	MATX 1115
	3:10pm – 3:30pm	<i>Mathematical Model for Optimizing Cancer Radiation Treatment Schedule</i> speaker: Jiafen Gong	MATH225
	3:30pm – 3:50pm	<i>Quantitative Analysis of Single Particle Tracking Experiments</i> speaker: Vishaal Rajani	MATH225
	4:00pm – 6:00pm	Poster session	

Sat Jul 25th	9:00am – 10:00am	Plenary talk: <i>From so Simple a Beginning: How Cells Conspire to Construct an Embryo</i> speaker: Kristin Sherrard	MATH225
	10:00am – 10:20am	<i>Linking Empirical Data to Modeling of Collective Motion in Animal Groups</i> speaker: Ryan Lukeman	MATH225
	10:20am – 10:50am	<i>Dispersal of Mountain Pine Beetle in Banff and Impacts of Management</i> speaker: Shaun Strohm	MATH225
	11:00am – 1:00pm	Lunch - attendees on their own	
	1:00pm - 1:15pm	Welcome (Pre-SMB graduate student event)	MATH225
	1:15pm – 2:15pm	Minisymposium overview 1: <i>Recent Advances in Disease Modelling</i> speaker: Dr Robert Smith?	MATH225
	2:15pm – 2:30pm	Coffee break	MATX 1115
	2:30pm – 5:30pm	<i>Soft skills: networking & taking conference notes</i> sponsored by MITACS speaker: Dr Jennifer Gardy	MATH225
	5:30pm – 6:00pm	Travel to beach	
	6:00pm – 8:00pm	Dinner/games at the beach	

Sun Jul 26th	8:00am – 8:15am	Welcome/announcements	MATH225
	8:15am – 9:15am	Minisymposium overview 2: <i>Modeling of Forest Insect Population Dynamics</i> speaker: Dr Mario Pineda-Krch	MATH225
	9:15am – 10:15am	Minisymposium overview 3: <i>Dynamics of Biochemical Reaction Networks</i> speaker: Dr Maya Mincheva	MATH225
	10:15am – 10:30am	Coffee break	MATX 1115
	10:30am – 11:30am	Minisymposium overview 4: <i>Towards Quantitative Integrated Oncology – Why 1+1 is greater than 2</i> speaker: Kasia Rejniak	MATH225
	11:30am – 12:30pm	Open Discussion	MATH225
	12:30pm – 1:15pm	Closing	MATH225