

# Agenda (Preliminary Version)

Toronto , July 7- 9 2014

TIME	MONDAY	TUESDAY	WEDNESDAY
8:00 AM	<i>breakfast</i>	<i>breakfast</i>	<i>breakfast</i>
8:30 AM	Workshop Presentation, logistic details, members introductions	Lecture - Transposons and their applications	Bench - Gateway cloning, pENTRY vector ready to be "taken home"
9:00 AM	Keynote lecture - 9:45		
9:30 AM		Lecture - Life technologies tech talk	
10:00 AM	9:45-10:30 Lecture - Introduction to the genetic toolbox	Bench - Stem cells transfections and high throughput screening of cell lines.	
10:30 AM	<i>coffee break</i>		<i>coffee break</i>
11:00 AM	Bench - GATEWAY cloning (participants will clone their cDNA of interest in a pENTRY plasmid)	<i>coffee break - LifeTechnologies booth</i>	Bench - Visualization of transfected cells
11:30 AM		Bench - Stem cells transfections and high throughput screening of cell lines.	
12:00 PM	<i>Lunch</i>		<i>Lunch</i>
12:30 PM		<i>Lunch</i>	
1:00 PM	Bench - In silico design of constructs. Participants on laptops		Gene targeting validation strategies
1:30 PM		Lecture - How to achieve stable transgene expression	
2:00 PM	Lecture - CRISPR-based gene modification.		Bench - CRISPR validation
2:30 PM		Bench - CRISPR transformation and screening for correct clones	
3:00 PM	<i>coffee break</i>	<i>coffee break</i>	General discussion and Q&A
3:30 PM	Bench - Gateway cloning continuation	Lecture - Multi-cistronic constructs: IRES and 2As	
4:00 PM	Bench - In silico CRISPR design (laptop)	Bench - Fusion PCR to build 2A-linked elements, primers design and PCR#1	END of the course
4:30 PM	Bench - CRISPR cloning		
5:00 PM		Bench - Gateway cloning.	
5:30 PM			
6:00 PM			