

The Cell and Systems Biology of Disease	
	Title/topic
Saturday Night 7-10PM	
Neurobiology and disease	
Maria Ioannou	Exploring the role of lipid alterations in neurodegenerative disease
Lisa Munter	Rhomboid-like protein 4 between cancer and Alzheimer's disease
	BREAK
Peter McPherson	SPOCD1 drives mesenchymal reprogramming of glioblastoma stem cells promoting tumour aggressiveness
Mari Kaartinen	Plasma fibronectin in liver-bone crosstalk and male osteoporosis
Sunday Morning 9-12AM	
The ubiquitin proteolytic system and targeted protein degradation	
Diane Haakonsen	Beyond ISR silencing: SIFI regulation and control
Dan Durocher	Lost in the targeted protein degradation space
	BREAK
Mikko Taipale	Perturbing cellular pathways with pathogen effectors
Sunday Night 7-10PM	
Drug discovery and mechanism of action	
Frank Sicheri	Development of a molecular glue inhibitor of the RAS-ERK pathway
Stephane Angers	Closing-in on drugging the undruggable Wnt pathway in tissue regeneration and cancer
	BREAK
Bastien Castagner	Inositol phosphate analogs: unlocking therapeutic potential by tailoring their physicochemical properties
Alberto Martin	Skeletal Muscle autophagy regulates obesity-associated metabolic disease and gut inflammation through DUPD1 phosphatase
Monday Morning 9-12AM	
Cancer Part 1	
Ivan Topisirovic	Translational rheostat that promotes breast cancer metastasis
Lynne-Marie Postovit	Cell state chaos underpins the emergence of dedifferentiated endometrial cancers
	BREAK
Nada Jabado	Oncohistones: Rewriting Chromatin to Drive Cancer and Developmental Defects
Monday Night 7-10PM	
Cancer Part 2	
Morag Park	Drug tolerant persister cells take 2
Alain Nepveu	The Need for MYC in Cancer Cells That Express APOBEC3B or AID
	BREAK
Mike Moran	Cancer Metabolism Insights Through Mass Spectrometry
Anne Claude Gingras	When kinases fuse: the structural logic of oncogenic signaling
Tuesday Morning 9-12AM	
The cytoskeleton, polyadenylation, vascular development and disease	
Laurence Pelletier	Electromechanical Generation of Physiological Vascular Flow for Modeling Human Vascular Development and Disease
Brent Derry	The role of alternative polyadenylation in development and disease
	BREAK
Susanne Bechstedt	Disentangling CKAP2: Structural Insights and Cellular Roles in Cytoskeletal Organization
Tuesday Night 7-10PM	
Organelle biology	
Amra Saric	Lipid flow in autophagosome biogenesis
Armin Pause	Uncovering a Novel Hypoxia-Tolerance Pathway Coupling Autophagy, Lysosomal Expansion, and Mitochondrial Biogenesis.
	BREAK
Heidi McBride	New insights into peroxisomal biogenesis
Thomas Hurd	Mechanisms of mitochondrial inheritance in the germline
Wednesday Morning 9-12AM	
Pathogen and drug mechanisms	
Peter Roy	A Novel Assay to Exploit and Characterize Cytochrome P450s Throughout the Animal Kingdom
Mike Strauss	Unraveling RNA movement in enterovirus infection
	BREAK
Immunology and inflammation	
Spencer Freeman	Contacts, curvature, and carbohydrates: the influence of membrane topology on immune surveillance
Jennifer Gommerman	B cells in Multiple Sclerosis - Dissecting mechanisms of action
Wednesday Night 7-10PM	
FREE	
FREE	
BREAK	
FREE	
FREE	