

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