

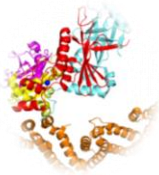
# Protein Structure, Function and Malfunction meeting

## June 20-21, 2019

University of Saskatchewan, GB03 Health Science Building

### 2019 PSFaM Program – Thursday, June 20

Thursday	Time	Function	Presenter	Title
8:15	8:55	Light breakfast		
Session 1		Chair	Troy Harkness	
8:55	9:00	Opening	Welcome – Vice Dean of Research, Marek Radomski	
9:00	9:50	Key Note Speaker	Siegfried Hekimi, McGill University	Oxidation of proteins during aging: damage or signal?
9:50	10:20	Invited Speaker	Karl Riabowol, University of Calgary	Epigenetic Regulation of Metabolism by ING Isoforms
10:20	10:35	Trainee Talk	Cordell van Genderen, University of Saskatchewan	Enhancing Chemosensitivity in Multi-Drug Resistant Cancer with Novel Peptides
10:35	11:00	Coffee		
Session 2		Chair	Tony Ruzzini	
11:00	11:30	Invited Speaker	Jennifer Cobb, University of Calgary	SMC complexes maintain rDNA organization and lifespan
11:30	11:45	Trainee Talk	Abdal Khawaja, University of Saskatchewan	Activation of the yeast Anaphase Promoting Complex increases lifespan and stress resistance
11:45	12:00	Trainee Talk	Stephanie Saundh, University of Saskatchewan	Identification and Characterization of a GSK3 Specific Peptide Inhibitor from the Psychiatric Disease Risk Factor Gene Disrupted In Schizophrenia 1
12:00	13:15	LUNCH		Health Science D Wing Atrium
Session 3		Chair	Yuliang Wu- University of Saskatchewan	
13:30	14:00	Invited Speaker	Michael Wu, University of Saskatchewan	Integrator complex: an RNA processing machinery involved in stress signaling and aging
14:00	14:30	Invited Speaker	Ismail Hassan Ismail, University of Calgary	Regulation of DNA end resection protein by SUMOylation
14:30	15:20	Key Note Speaker	Vlad Titorenko, Concordia University	Lithocholic acid delays chronological aging of calorically restricted yeast
16:00	20:00		Poster Presentations and Social Gathering Louis' Loft – University of Saskatchewan	



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## 2019 PSFaM Program – Friday, June 21

Friday	Time	Function	Presenter	Title
8:15	8:50	Light breakfast		
Session 4		Chair	Terra Arnason, University of Saskatchewan	
8:50	9:40	Key Note Speaker	Caroline Cameron, University of Victoria	The intelligent design of invasion: host-pathogen interactions during <i>Treponema pallidum</i> (syphilis) infection
9:40	10:10	Invited Speaker	Michael Weinfeld, University of Alberta	Tidying up loose ends: The role of polynucleotide kinase/phosphatase in DNA repair and its potential as a therapeutic target
10:10	10:25	Trainee Talk	Mamata Panigrahi, University of Saskatchewan	Altered translation regulation promotes miR-122-independent replication of Hepatitis C Virus Genomes
10:25	10:45	Coffee		
Session 5		Chair	Linda Chelico, University of Saskatchewan	
10:45	11:00	Trainee Talk	Jake Pushie, University of Saskatchewan	From Experiment to Molecular Simulations and Back Again - Molecular Dynamics Simulations of Metal-Protein Complexes
11:00	11:30	Invited Speaker	Gerd Prehna, University of Manitoba	Inhibition of natural competence in <i>Streptococcus</i> by bacteriophage
11:30	11:45	Trainee Talk	Fabian Heide, University of Manitoba	Structural and Functional Examination of Proteinacious Right-Handed Coiled Coil Nanotube as a Passive Sampling Device for Polycyclic Aromatic Hydrocarbons in Aquatic Environments
11:45	12:15	Invited Speaker	Borries Demeler, University of Lethbridge	Novel Applications for Multi-wavelength Analytical Ultracentrifugation
12:15	13:15	LUNCH		
12:50	13:15	TOUR	For Pre-Registered Guests	Tour of PCCF (Protein Crystallization Facility)
Session 6		CHAIR	Adelaine Leung, University of Saskatchewan	
13:30	14:00	Invited Speaker	Tanya Dahms University of Regina	Correlative microscopy assays to assess the impact of xenobiotic exposure in live cells
14:00	14:15	Trainee Talk	Brandon Keith, University of Saskatchewan	Serine 9 and Cysteine 80 are Critical Residues for Oligomerization and Pore Formation by TlyA from <i>Brachyspira hampsonii</i>
14:15	14:45	Invited Speaker	Steve Machtaler, University of Saskatchewan	Using a SpyCatcher-SpyTag bioconjugation approach to create targeted microbubbles for ultrasound molecular imaging of inflammatory bowel disease
14:45	15:35	Key Note Speaker	Sabine Petry, Princeton University	How to make microtubules and build the mitotic spindle
15:35	16:00	PSFaM Chair	AWARD CEREMONY	
16:00	16:10	PSFam Chair	CLOSING REMARKS	