

# THE ACTIVE SITE

DEPARTMENT OF  
BIOCHEMISTRY NEWSLETTER

THE SCHULICH SCHOOL OF MEDICINE & DENTISTRY

VOLUME 9 | ISSUE 2 | Mar - May 2018

## PEOPLE (AND OTHER) STUFF

Welcome to our 64 students who will be doing research in the Biochemistry Dept. this summer as part of our summer student program.

Welcome to Dr. Brian Dempsey, our new Education Co-ordinator.

Dr. Edgell was featured on the website of [SynBio Canada](#) for his research in synthetic biology, specifically mobile genetic elements.

Dr. Gloor and colleagues were featured on the website of [News-Medical](#) for a [publication](#) in *Atherosclerosis* showing a link between the intestinal microbiome and atherosclerosis.



Dr. Lajoie has received the CNPN-Tony Pawson Proteomics Award from the Canadian National Proteomics Network in recognition of his achievements in biological science (see [Schulich News](#)).

Photo shows Dr. Lajoie (on left) receiving his award.

The Parliamentary Secretary for Science Kate Young visited Schulich the week of 15 May and toured Biochemistry's Functional Proteomics Facility. Dr. Litchfield (Vice-Dean of Schulich Research and Innovation) and some of our trainees joined the tour (see [Schulich Facebook](#)).

## PUBLICATIONS from the labs and collaborators of...

Dr. Ainsworth ([BRCA1/2 mutation carriers](#))  
 Drs. Ainsworth, Rodenhiser ([Detection of malignant prostate tissue](#))  
 Drs. Boffa, Koschinsky ([Lipoprotein\(a\) and CVD](#))  
 Dr. Brandl ([Role of Tra1 pseudokinase](#))  
 Dr. Choy ([Keap1 interaction motifs](#))  
 Dr. Dick ([RB in cancer](#))  
 Dr. Gloor ([Intestinal microbiome and atherosclerosis](#))  
 Dr. Goldberg ([Success and risk among Canadian dental students](#))  
 Dr. Gupta ([IGFBP-1 in intrauterine growth restriction](#))  
 Dr. Han ([Neonates with brain injury](#))  
 Dr. Hegele ([Genetic determinants of disease](#)) ([LDL cholesterol](#)) ([Type 2 diabetes & cardiovascular risk](#)) ([Hypertension Canada's 2018 Guidelines](#)) ([Familial chylomicronemia](#)) ([Statin therapy](#)) ([Fatty liver](#)) ([Hypobetalipoproteinemia](#)) ([Inuit genetic polymorphisms](#)) ([Diabetes Canada Clinical Practice Guidelines](#))  
 Dr. Karas ([Iron uptake in diatoms](#))  
 Dr. Konermann ([Molecular dynamics simulations](#)) ([Crown ethers in electrospray droplets](#))  
 Dr. Lajoie ([Ferredoxin from Antarctic alga](#))  
 Drs. Li, O'Donoghue ([Thr308 phosphorylation in Akt1](#))  
 Dr. Ling ([DNA pol kappa](#))  
 Dr. Mann ([Mest-imprinted methylation](#))  
 Dr. Meakin ([Acidification in glioblastoma multiforme](#))  
 Dr. Rogan ([Machine learning to predict radiation exposure](#))  
 Dr. Rupar ([MRI for diagnosing white-matter abnormalities](#))  
 Dr. Shaw ([Regulation of OspG](#)) ([Phosphorylation and E3 ligase parkin variants](#))  
 Dr. Siqueira ([Acquired enamel pellicle engineered peptides](#)) ([Esterase hydrolysis of dental resins](#)) ([Adsorption of gingival cells](#)) ([Amylase interactome](#)) ([Stress, saliva, caries](#))  
 Dr. Siu ([Cholinergic dysfunction in Kufs Disease](#))  
 Dr. Turley ([HA-PE for treating overactive bladder](#))  
 Dr. Yeung ([MALDI IMS detection of peptides in mouse brain](#)) ([MALDI MS of gangliosides pre-Alzheimer's](#))

[See publication details.](#)

## CONGRATS TO...

Tara Condos and Bart Kolendowski for successful PhD defenses

Sanna Abbasi for receiving a Best Poster Presentation Award at 4th Canadian Symposium on Telomeres & Genome Integrity

Matthew Berg for receiving the 2018 [WORLDdiscoveries Scholarship for Commercialization/Entrepreneurship](#) and The Lucille & Norton Wolf Trainee Publication Award at the London Health Research Day

Jacqueline Dron for receiving a Feature Platform Presentation and The Lucille & Norton Wolf Trainee Publication Award at the London Health Research Day

Kevin Ho for receiving a CIHR Institute of Musculoskeletal Health and Arthritis Undergraduate Summer Studentship Award

Dr. Gupta for being invited to speak at the Gordon Research Conference for IGF and Insulin System in Physiology & Disease and for being nominated for the 2018 CHRI Scientist of the Year Award

Dr. Karas for receiving funding from the Defense Advanced Research Projects Agency

Dr. Hegele for being featured in [Western News](#)

Dr. Li for being named a Canada Research Chair Tier I in the Molecular and Epigenetic Basis of Cancer (see [Western News](#))

Dr. Rogan for being added to the database of expert reviewers created by the Italian Ministry of Education, Universities and Research for review of their national grant applications (equivalent to the Canadian Tri-council); also, for presenting a talk and poster at the European Conference of Human Genetics in June (his abstract is "among the best scored papers")

Dr. Siqueira for receiving one of Western's 2018 Faculty Scholar Awards in recognition of his teaching/research achievements, an international presence in his field, and all-round scholarship; also, for being appointed Associate Dean, Graduate and Postgraduate Dental Education in Schulich Dentistry