



Image designed by Dr. Sanna Abassi

Dept of Biochemistry Newsletter

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PEOPLE AND OTHER STUFF

- Welcome to Dr. Chaochao Chen (BioCORE Research Scientist) and Dr. Chris Bonham (BioCORE Facility Manager and adjunct professor).
- The Dept. of Biochemistry sends its condolences to the family, friends, and colleagues of Dr. Eugene (Gene) Tustanoff. He was a former faculty member in Biochemistry (1967-92) and passed away at the age of 95 ([obituary](#)).
- Join us on 19 Jan 2024 for the [Dr. Harold Stewart Lecture and Research Showcase](#) featuring Biochemistry student posters.
- Thanks to everyone who contributed (on behalf of the Biochemistry Dept.) to Western's Fall Preview Day (pictures below).



CONGRATS TO...

- ★ Mallory Frederick, Greg Pellegrino, and David Wright for successful PhD defenses
- ★ Mahsa Farmanbar, Olha Haydaychuk, Henry Say, and Alexa White for successful MSc defenses
- ★ Chloe Jang and Dalton Ham for best talk and best poster, respectively, at Biochemistry's Fall Symposium
- ★ Drs. Bhayana and Shilton for their 25 years of service at Western ([Schulich News](#))
- ★ Dr. Dumeaux (PI) and colleagues for an Operating Grant from the Cancer Research Society/CIHR-Institute for Cancer Research
- ★ Dr. Dumeaux (co-PI) and colleagues for a Cancer Research Society Operating Grant
- ★ Drs. Edgell and Gloor, their graduate students, and colleagues for being featured in [Schulich News](#) for their [publication](#) on CRISPR targeting
- ★ Dr. Hu for an Ignite Innovation Grant from the Arthritis Society of Canada
- ★ Dr. Koschinsky on election to the Royal Society of Canada in recognition of her original work on lipoprotein biology ([Western News](#))
- ★ Drs. Lu and Zhou and colleagues for being featured in [Western News](#) for their [publication](#) on the cause of preeclampsia
- ★ Dr. Rogan and colleagues for the [Radiobiology textbook](#) published online by Springer
- ★ The Shaw Lab for winning the pumpkin carving contest (62% of votes) and costume contest (57% of votes)

PUBLICATIONS

- Dr. Andrews ([Molecular subtypes in Progressive Supranuclear Palsy](#))
- Dr. Balci ([Spliceosome malfunction & neurodevelopmental disorders](#)) ([Diagnostic accuracy of exome sequencing for rare diseases](#)) ([Episignature in CL11B-related disorder](#)) ([SLC6A1 variant](#))
- Dr. Brandl ([Evolutionary diversity of control of azole response by Tra1](#)) ([Anticodon sequence and mistranslating tRNA^{Ala} variants](#))
- Dr. Connaughton ([Pregnancy and tubulointerstitial kidney disease](#))
- Dr. Dumeaux ([Functions of ATRX in glial cell fate and CNS myelination](#))
- Drs. Dumeaux and Hallett ([Candida albicans' cytoprotective responses to anti-fungal compounds](#))
- Drs. Edgell, Gloor ([Cas9/sgRNA prediction model using machine transfer learning](#))
- Dr. Gloor ([Microbiota alteration and kidney stone formation](#))
- Dr. Hallett ([Respiration, intraphagosomal filamentation, & escape of C. albicans](#))
- Dr. Hegele ([FH-risk-score and diabetes in heterozygous familial hypercholesterolemia](#)) ([Polygenic risk for triglyceride levels with rare variant](#)) ([Polygenic risk for triglyceride levels in rare variant - Correction](#)) ([APOE variation](#)) ([Comment on Huh et al. article](#)) ([Apolipoprotein B in cardiovascular risk assessment](#)) ([Statin management](#))
- Drs. Heinemann, Li ([Proteomics and phosphoproteomics in epithelial ovarian cancer](#))
- Dr. Hu ([Prediction model of children asthma](#)) ([Deep learning models for breast mammographic mass classification](#))
- Dr. Hudson ([Chimeric GFP-uracil based molecular rotor fluorophores](#)) ([PhpC modulates G-quadruplex-RNA landscapes](#))
- Dr. Karas ([Phaeodactylum tricornutum for diatom molecular research and chassis for algal synthetic biology](#)) ([Gene deletion for Deinococcus radiodurans](#))
- Dr. Konermann ([Aqueous ammonium acetate droplets in MS](#))

- Dr. Li (Correction: CIS checkpoint in NK cell-mediated tumor immunity) (Exosite on SOCS2-SH2 domain enhances SH2 binding - Erratum)
- Dr. Litchfield (Chemical proteomics reveals targets of kinase inhibitors) (AKT pathway in resistance to Erlotinib and Cabozantinib in triple-negative breast cancer)
- Dr. Lu (Cis P-tau in preeclampsia) (Cis P-tau in tauopathies)
- Dr. Pickering (Endothelial-to-mesenchymal transition in cardiovascular disease) (FGF 9) (Anomalous coronary venous drainage)
- Dr. Rogan (Radiation exposure determination)
- Dr. Rupa (Biochemical marker for mitochondrial DNA depletion syndrome) (Molybdenum cofactor deficiency type A) (Trisomy 21 and perinatal Gaucher disease)
- Dr. Siqueira (Dental and dental hygiene regulatory guidance in Canada)

