



Image designed by Dr. Sanna Abbasi

Dept. of Biochemistry Newsletter

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Send contributions to: mweir24@uwo.ca

PEOPLE AND OTHER STUFF

- The Dept. thanks Megan Luckovitch for her contributions and dedication, and we wish her all the best in her secondment position at Western.
- Congratulations to Neiven Timothaws who has taken on the temporary role as Graduate & Undergraduate Program Administrator during Megan's secondment.
- Welcome to Rima Kadri who has joined us as a Program Assistant.
- Dr. Stephanie Dorman, Field Medical Advisor at Pfizer, gave the Dr. Harold Stewart Lecture on 19 Jan. She obtained her PhD from Dr. Rogan's lab in the Dept. Congrats to our Biochemistry students for a job well done when presenting their posters after the Lecture.
- The Biochemistry Dept. is celebrating its 100th anniversary this year (1924-2024) with a get-together in May.
- Complete the WIDE (Western Inclusion, Diversity, and Equity) Survey to ensure your voice is heard and contributes to the development of a more equitable and inclusive Western. Information collected through this survey is voluntary and confidential. For more info about the survey and how to fill it out, see the [WIDE Survey webpage](#).

CONGRATS TO...

- ★ Scott Roffey for a successful PhD defense
- ★ Erin Lou, an undergraduate student, for a NSERC USRA in Dr. Hu's lab
- ★ Emma Walker for Biochemistry's Dr. Bishnu D. Sanwal Graduate Performance Award
- ★ Drs. Edgell and Lu for CIHR Project Grants
- ★ Drs. Edgell, Gloor, and Karas; Tyler Browne, and their colleague for being featured in [Schulich News](#)
- ★ Dr. Gebregiworgis for Western's Megan J. Davey Opportunity Fund Grant and Schulich Infrastructure Support Grant
- ★ Drs. Hallett and Lu, both Western Research Chairs, for being featured in [Schulich News](#)
- ★ Dr. Heinemann for a Rare Diseases Network Catalyst Grant
- ★ Dr. Hu for his success with Canada's Science Meets Parliament (SMP) Program
- ★ Drs. Lu and Li for a CFI Innovation Fund grant
- ★ Dr. Li and colleague for CHRI's Translational Research Grant
- ★ Dr. Possmayer for receiving the Order of Ontario ([Western News](#))
- ★ Dr. Rogan for a letter and Certificate of Recognition from the Ontario Ministry of Health for [COVID-19 research](#), along with Eliseos (John) Mucaki and Ben Shirley. Findings and software will be used in managing future disease outbreaks.
- ★ Drs. Shaw and Turley for each receiving Western's CIHR Success Accelerator Program Grant

PUBLICATIONS

- Dr. Andrews ([Single-cell and spatial transcriptomics of healthy and PSC liver](#))
- Dr. Connaughton ([Neuroimage in neuropsychiatric systemic lupus erythematosus](#))
- Dr. Dumeaux ([Long-term DDT or DDE exposures and sperm epigenome](#))
- Dr. Edgell ([Intein-based meganucleases for containment of genetic material](#))
- Dr. Gebregiworgis ([Cancer-associated acetate promotes pancreatic cancer development](#))
- Drs. Han, Heinemann ([AMPK-mTORC1 pathway and IGFBP-1 in glucose deprivation](#))
- Dr. Hegele ([Angiotensin-like protein 3](#)) ([Apolipoprotein E E4, gait, and cognition in neurodegenerative diseases](#)) ([Acute pancreatitis and hypertriglyceridemia](#)) ([Sex differences in presentation, treatment, and outcomes in homozygous familial hypercholesterolemia](#)) ([Low- and high-density lipoproteins](#)) ([Genetic variation in apolipoprotein A-V in hypertriglyceridemia](#)) ([Plasma biomarkers in](#)

[neurodegenerative diseases](#)) ([Evolocumab treatment of paediatric homozygous familial hypercholesterolemia](#))

- Drs. Heinemann, O'Donoghue ([Missense suppressor tRNA therapeutics and disease-causing alleles](#))
- Dr. Hu ([Prediction of drug-target interaction](#)) ([Radiomic prediction of mutation status in breast cancer](#)) ([Computational frameworks in mining multimodal omics data](#))
- Dr. Karas ([Design/assembly of P. tricornutum chloroplast genome](#)) ([Genetic toolbox for A. laidlawii](#))
- Dr. Konermann ([Inhibition of protein aggregation by arginine](#))
- Dr. Lajoie ([Profiling of plasma extracellular vesicles for early ovarian cancer biomarkers](#))
- Dr. Li ([Kinome and phosphoproteome reprogramming in COVID-19 patients](#))
- Dr. Litchfield ([CK2 and SALL2 in colon cancer](#))
- Dr. O'Donoghue ([Biosynthesis, engineering, and delivery of selenoproteins](#))
- Dr. Pickering ([Mapping microarchitectural degeneration in the dilated ascending aorta](#))
- Dr. Rogan ([Critical assessment of genome interpretation](#))
- Dr. Rupa ([NAXE-related disease](#))
- Dr. Siqueira ([Temporin-SHa - antimicrobial peptide for fluconazole-resistant C. albicans](#)) ([Dog vs. human salivary proteins](#)) ([Experiences of Canadian dentists on dental regulatory bodies' communications during COVID-19](#)) ([Polymorphism of salivary proteins and periodontal diseases](#)) ([Proteomics profiling of dogs and oral diseases](#)) ([Proteomic analysis of human saliva](#))
- Dr. Turley ([Squamous cell carcinoma and hyaluronan](#))
- Dr. Yeung ([Adolescent nicotine exposure](#))