Welcome to Dr. Bogumil Karas who has joined the Department of Biochemistry. In addition to promoting research in Synthetic Biology, he will contribute to undergraduate and graduate courses and supervise research trainees.

Haider Hassan was awarded the WORLDDiscoveries Scholarship for Commercialization/Entrepreneurship for his project that plans to develop a portable PCR machine for rapid detection of Ebola virus in blood. Haider is a 4th-year PhD student in the lab of Dr. Joe Torchia, Departments of Biochemistry and Oncology. This award is generously supported by funds from WORLDDiscoveries, with the goal of fostering opportunities for entrepreneurship and/or commercialization. In the picture, Haider is flanked on the left by Lisa Cechetto, Executive Director of WORLDDiscoveries, and on the right by Dr. Schild-Poulter, Graduate Program Chair for the Dept. of Biochemistry (picture courtesy of Barb Green). Congratulations Haider, and good luck with your project.

Check out the recent publication in Research Policy that has examined workplace organization and PhD students’ mental health. Note that Western offers resources for helping students, as well as faculty and staff, with mental health issues.

Our annual Research Showcase on 20 Jan featuring the Harold B. Stewart Lecture and 46 research posters was well attended. Dr. Helen Petropolos of Ontario Genomics gave the Lecture, a landmark event since she is the first female to do so. She spoke about her transition from a PhD to industry to her current position and highlighted career options for graduate students interested in sectors outside of academia.

PUBLICATIONS from the labs and collaborators of...

- Drs. Ainsworth, Berube, Rodenhisier (α-thalassemia mental retardation X-linked syndrome)
- Drs. Ainsworth, Rodenhisier, Sii (αppli/genetic conditions)
- Dr. Ainsworth (genetics consultation rates)
- Dr. Berube (Atrx in CNS)
- Dr. Boffa (TAFI and angiogenic effects in endothelial cells)
- Drs. Brandt, O’Donohue (mistranslation)
- Dr. Dick (RB-mediated cell cycle control)
- Dr. Edgell (endonuclease and intron occurrence in corals)
- Dr. Gloor (gut microbiota, birth weight, postnatal diet) (GR-1 and cardiomyocyte hypertrophy)
- Dr. Han (IGFs in mesenchymal stem cells)
- Dr. Haniford (small RNA in S. typhimurium)
- Dr. Hegele (lipid & lipoprotein disorders) (lipoprotein apheresis) (APOC2 mutation) (dyslipidaemia management) (teproprotein convertase subtilisin-kexin type 9 variants) (KMT2D p.Gln3575His)
- Dr. Huff (Ldr-1 mice and bempedoic acid) (ATP-citrate lyase)
- Dr. Konermann (MRP1 structure)
- Dr. Lajoie (ADH in mesenchymal stromal cells)
- Dr. Li (tyr phosphoproteome analysis) (SH2 ligand prediction) (phosphotyr superbinders) (reciprocal protein-peptide array screening)
- Dr. Litchfield (protein kinase CK2) (influencing cellular interactions)
- Dr. Meakin (ShcD/Erk/Ret/Trk signalling)
- Dr. O’Gorman (tobacco smoke and IL-17)
- Dr. Pickering (quantification of vasculature in mouse limb) (angiogenesis in ischemic muscle)
- Dr. Rogan (G1 primary tumour) (prediction of breast cancer outcomes) (Proc. 3rd Int. MPE Mtg.)
- Dr. Rupar (diagnosis of multiple genetic diseases)
- Dr. Siqueira (antifungal drug susceptibility of Candida) (proteomes of biomaterial surface)
- Dr. Turley (hyaluronan and mammary gland branching) (RHAMM in adipogenesis) (glioma, CD44)

See publication details.