



The Active Site



DEPT. OF BIOCHEMISTRY
SCHULICH SCHOOL OF MEDICINE & DENTISTRY
WESTERN UNIVERSITY



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[Newsletter Archives](#)

CONGRATS TO...

- Wendy Zhu for her successful MSc defense
 - Chris Hughes, Crystal McLellan, Bradley Stocks for successful PhD defenses
 - Kristin Kernohan (Dr. Berube's lab) for a poster award at the London Health Research Day
 - Dr. Alister Gould (former PhD student, Dr. Shilton's lab) for an NSERC Industrial R&D Fellowship (Omnizyme Bioproducts)
 - Dr. Kevin Kirouac (former PhD student, Dr. Ling's lab) for a CIHR Fellowship for post-doc research at University Health Network in Toronto
 - Judy Penchuk for a Schulich Staff Award of Excellence and a BA in Media, Information, and Technology (graduation on 20 June)
 - Dr. Dunn for a Distinguished University Professorship ([Western News](#))([Biochemistry website](#))
 - Dr. Gupta for an NIH R21 Grant
 - Drs. Davey, Kari, Yeung for NSERC Discovery Grants
 - Drs. Davey and Huff for CIHR Operating Grants
 - Dr. Konermann for an NSERC RTI Grant
 - Dr. Li for a Heart & Stroke Foundation Grant
 - Dr. Pickering for a CCSRI Innovation Grant ([Schulich News](#))
 - Dr. Rogan for NIH funding (subcontract from Dartmouth Medical School)
- Send info for future issues to
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Welcome to our Summer Students

The Biochemistry Dept. has been invaded by an army of summer students. Some of them belong to the BUSRP (Biochemistry Undergraduate Summer Research Program). They submitted applications in Feb to compete for summer positions in faculty research labs. We also have a group of non-

BUSRP summer students, including volunteers, who work in our research labs.

Another group of students is participating in the BCHM 4483 course that involves a research project and thesis. This course is usually offered during the school year, but is now available this

summer.

Our summer students participate in an orientation on their first work day. During the summer, they will attend presentations given by researchers in the Dept. On their final day, students will present posters of their research projects.

People (and Other) Stuff

Welcome to Dr. Rakesh Joshi (post-doc in Dr. Li's lab), Dr. Chuanbing Bian (post-doc in Dr. Ling's lab), and Dr. Sue Safadi (former PhD student in Dr. Shaw's lab) who is filling in for Lee-Ann Briere.

The Biochemistry social committee held a Euchre tournament in March with 13 teams. Award winners were Joe Ross and Ryan

Trussler - winning team; Wesley Berube-Janzen and Ian Damerill-Brooks - best team name (the Euchryotes); and Lance DaSilva and Brian Munshaw - best 'effort.'

Dr. Bonnie Deroo has received the Wolfe Senior Research Fellowship in Steroidal Hormones in Health and Disease. Dr. Fred Dick has received the Wolfe

Senior Research Fellowship in Tumor Suppressor Genes. Both were featured in [Western News](#).

Dr. Peter Rogan presented at the Int. Conference on Computer Vision Theory and Applications in Italy (Feb) and the 25th Annual Canadian Conference on Electrical and Computer Engineering in Montreal (Apr/May).

Publication News

Publications from the labs and collaborators of...

- Dr. Ainsworth (BRCA1/2, breast-feeding, breast cancer risk)(ovarian cancer, BRCA1/2 mutation carriers)
- Drs. Brandl, Gloor (Tti2, Tra1) (mutation suppression in Tra1)
- Dr. Deroo (ECM in estrogen receptor beta-null ovary)
- Dr. Dick (Rb family - Review) (chromosome instability, deregulated proliferation - Review)(analysis of cell cycle position)
- Dr. DiMattia (AKT activity, viral oncolysis of ovarian cancer cells) (BMP signaling, ovarian cancer)
- Dr. Dunn (FoF1-ATPase motors)

- Drs. Goldberg, Hunter, Lajoie (calcium oxalates, osteopontin)
- Drs. Haniford, Shilton (Tn5 transposition)
- Drs. Hegele, Rupar, Siu (restrictive neuropathy)
- Dr. Hegele (incident type 2 diabetes risk)(genetics, molecular biology) (lipoprotein a)(niacin)(gene card for abetalipoproteinaemia)(gene mutations in severe hypertriglyceridemia) (mutated GPD1 phenotype)(plasma triglycerides)
- Dr. Konermann (structure, dynamics of Abeta(1-40) oligomers)(membrane protein topology)(conformational dynamics of a membrane protein)(CFTR folding)(featured in [Chem Eng News](#))
- Dr. Li (DLC1, tensins) (SUMO, SIMs)

- (phosphotyrosine signaling, cancer)
 - Dr. Mann (embryonic genomic imprinting)
 - Dr. Meakin (Nesca)
 - Dr. Rogan (genomic regions in breast cancer)
 - Dr. Shaw (HOIL-1 Ubl domain structure)(recruitment of E2-ubiquitin complex by E3 ubiquitin ligase)
 - Dr. Siu (neurofibromatosis, velopharyngeal insufficiency)(actin mutations in Baraitser-Winter syndrome)
 - Dr. Turley (RHAMM, CD44 peptides - Review)
- [See recent publication details here.](#)