

POSTDOCTORAL OPPORTUNITIES IN TORONTO, CANADA

Up to two postdoctoral fellow positions are available in the laboratory of Daniel Durocher at the University of Toronto / Lunenfeld-Tanenbaum Research Institute to study the response to DNA damage and the basis of genome stability in human cells.

The Durocher lab uses a wide range of approaches that include CRISPR/Cas9 genetic screens to structural biology and mouse genetics to tackle important problems in this field. Recent publications include:

1- [The shieldin complex mediates 53BP1-dependent DNA repair.](#)

Noordermeer SM, Adam S, Setiaputra D, Barazas M, Pettitt SJ, Ling AK, Olivieri M, Álvarez-Quilón A, Moatti N, Zimmermann M, Annunziato S, Krastev DB, Song F, Brandsma I, Frankum J, Brough R, Sherker A, Landry S, Szilard RK, Munro MM, McEwan A, Goulet de Rugy T, Lin ZY, Hart T, Moffat J, Gingras AC, Martin A, van Attikum H, Jonkers J, Lord CJ, Rottenberg S, **Durocher D.**

Nature. 2018 Jul 18. doi: 10.1038/s41586-018-0340-7

2- [CRISPR screens identify genomic ribonucleotides as a source of PARP-trapping lesions.](#)

Zimmermann M, Murina O, Reijns MAM, Agathangelou A, Challis R, Tarnauskaitė Ž, Muir M, Fluteau A, Aregger M, McEwan A, Yuan W, Clarke M, Lambros MB, Paneesha S, Moss P, Chandrashekar M, Angers S, Moffat J, Brunton VG, Hart T, de Bono J, Stankovic T, Jackson AP, **Durocher D.**

Nature. 2018 Jul;559(7713):285-289. doi: 10.1038/s41586-018-0291-z

3- [The structural basis of modified nucleosome recognition by 53BP1.](#)

Wilson MD, Benlekbir S, Fradet-Turcotte A, Sherker A, Julien JP, McEwan A, Noordermeer SM, Sicheri F, Rubinstein JL, **Durocher D.**

Nature. 2016 Aug 4;536(7614):100-3. Epub 2016 Jul 27.

Toronto often ranks among the top ten cities with the highest quality of life and offers a safe and diverse family-friendly environment. The Lunenfeld-Tanenbaum offers competitive conditions for postdoctoral fellows.

Applicants should hold a Ph.D. degree and have a strong background in molecular/cellular biology, biochemistry, structural biology, mouse genetics, or cancer biology, and a good publication record.

Full applications including a short motivation letter, curriculum vitae and a contact information for three referees should be submitted through durocher@lunenfeld.ca to: Professor Daniel Durocher, Senior Investigator, Lunenfeld-Tanenbaum Research Institute, Toronto, ON, CANADA.

For more information on the Durocher lab, please go to: <http://durocherlab.org>