

Chem 490 – MUN Green Chemistry and Catalysis Group

Dr. Fran Kerton, Office C4007, ext. 8089, Lab C5006/7, e-mail: fkerton@mun.ca

Interdisciplinary projects are available on a range of topics relevant to [green chemistry](#). These include organic and inorganic synthesis, catalysis, alternative solvents, polymers/materials, high-throughput techniques and spectroscopy. Please chat to Fran for more details.

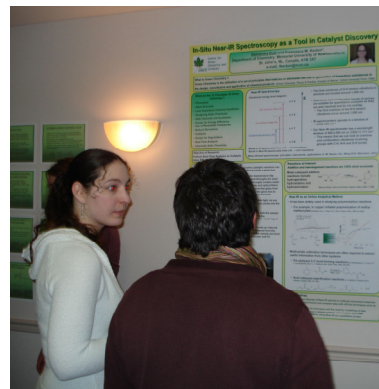
Previous students who have worked in the group for between 3 and 6 months have seen their work published in scientific journals:

1. Samantha Butt (490A/B) and Kayla Collins (NSERC USRA) saw their work on reactions in water and MALDI-TOF MS analyses published in *Green Chemistry Letters and Reviews*, 2008, **1**, 31-35, [DOI: 10.1080/17518250701809030](https://doi.org/10.1080/17518250701809030) and *Organometallics*, 2009, **28**, 837-842, [om-2008-00453b](https://doi.org/10.1021/om-2008-00453b)
2. Teresa Olsen saw her work on biocatalysis in supercritical carbon dioxide published in *Enzyme And Microbial Technology* 2006, 39 (4): 621-625.
3. Chad Petten (NSERC USRA) saw his work on reactions in ionic liquids published in *Chemical Communications*, 2009, In Press, [DOI:10.1039/B909866F](https://doi.org/10.1039/B909866F)

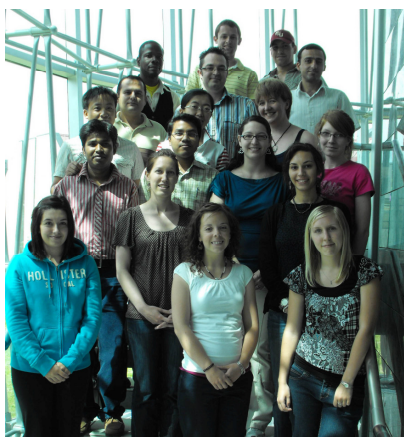
They have also attended national and regional chemistry meetings/conferences.

Training and skills that are developed include air-sensitive synthetic techniques (Schlenk-line and glove boxes), catalyst screening (incl. GC-MS), multi-nuclear NMR spectroscopy and polymer characterization (GPC and DSC).

Students interested in learning more about project details should contact [Dr. Kerton](#) to obtain a project outline or discuss ideas.



Our webpages: <http://www.chem.mun.ca/zfac/fmk.php> <http://greenchem.wordpress.com>



.....fun & science!