

Position: Postdoctoral Fellow in Materials Chemistry

Duration: 12 month renewable to 24 by mutual agreement

Starting: Flexible starting date but available as of April, 2024

Location: Vreugdenhil Research Laboratory, Department of Chemistry, Trent University, Peterborough, Ontario, Canada

Responsibilities:

The Vreugdenhil research laboratory has an opening for a postdoctoral research fellow. The laboratory conducts industrially relevant research and development of environmental remediation and energy storage carbon-based materials. The focus of this position will be design, synthesis and evaluation of polymer decorated structured and amorphous carbon surfaces with application in ion exchange and targeted adsorption. The PDF position entails three components: research, student supervision and industrial interactions. The successful candidate will engage in their own research using controllable polymer architecture with experience or a willingness to learn ATRP and RAFT techniques. They will also provide leadership to the group in common synthetic organic approaches to surface modification, polymer grafting and standard characterization techniques. The research is done in close consultation with industrial sponsors and the PDF will interact with industrial representatives regularly.

Our research lab is well equipped with molecular and materials characterization tools, a supportive work environment and some periodic fun on the side. We like our work and think you will too. Check out our research group including current group members, research projects and recent publications at <http://imrl-trentu.weebly.com/>

Contact Prof. Andrew Vreugdenhil directly at avreugdenhil@trentu.ca with any questions or expressions of interest.