Post-Doctoral Position – Materials Chemistry

University of British Columbia, Department of Chemistry
Luminescent and Charge-Transporting Nanomaterials from Soft Matter

Keywords: Polymer chemistry, inorganic chemistry, luminescent materials, atomic force microscopy, fluorescence spectroscopy, self-assembly

Job Description: A postdoctoral position is immediately available in the Hudson Lab at the University of British Columbia in Vancouver, BC. The candidate will join a new and multidisciplinary research group opened in 2015/2016, aimed at developing new materials for optoelectronics and solid-state lighting. Current initiatives in the group include the development of materials for display technology, the self-assembly of nanoscale architectures from semiconducting polymers, and the growth of luminescent polymeric materials from surfaces. Projects in these areas are highly flexible, and the successful candidate will be encouraged to explore his/her own research interests in addition to those outlined above.

The candidate will also support the operation of newly-installed CFI-funded research infrastructure in the group, including a Malvern OMNISEC gel permeation chromatography system, Edinburgh Instruments Fluorescence Spectrometer, Asylum Cypher S Atomic Force Microscope, and several inert-atmosphere gloveboxes. The candidate will be involved in mentoring undergraduate and graduate students, as well as assisting with the maintenance of laboratory instrumentation as necessary.

Requirements: Competitive candidates must hold a Ph.D. in chemistry or materials science, with a strong background in any branch of synthetic chemistry. Experience with polymer synthesis, optoelectronic materials, and techniques for the characterization of nanomaterials (TEM, SEM, AFM) will also be strong assets. Candidates with expertise in imaging by Atomic Force Microscopy will be preferred.

Candidates must be highly motivated and self-driven, capable of independently designing and performing experiments with minimal supervision. Excellent verbal and written communication skills, the ability to work well as part of a team, and a strong track record of publications as lead author are also required.

Start Date: Flexible, between Jan. 1 - May 1, 2018.

Interested candidates should e-mail their complete application in PDF format to zhudson@chem.ubc.ca, including:

- A cover letter describing your background, experience, motivation for seeking the position and contact information for three references who may be contacted if necessary;
- A full CV including complete publication list;
- 'PDF Application' in the subject line.

Shortlisted candidates will be contacted for interviews beginning in late October, and the position will remain open until filled. For more information, please visit:

Hudson Group Website: hudsonlab.ca
UBC Department of Chemistry Website: www.chem.ubc.ca