



Department of Chemistry and Biochemistry

401 Sunset Avenue

Windsor, Ontario, Canada N9B 3P4

T 001 519 253 3000 ext 3700 F 001 519 973 7098

Postdoctoral Researcher – Conjugated Materials and Organic Electronics

Position Description: The group of Simon Rondeau-Gagné in the Department of Chemistry and Biochemistry at the University of Windsor is seeking an outstanding, highly motivated candidate for an immediate postdoctoral researcher opening working in the field of organic electronics. The candidate will take a leading role in the fabrication and characterization of organic field-effect transistors using new π -conjugated materials. Moreover, the candidate will also have to optimize the performance of the devices and move from a lab-scale to a fully printed fabrication procedure.

Main responsibilities: Fabrication, characterization of organic transistors using standard techniques: lithography, solution processing, thermal and e-beam evaporation, sputtering, inkjet printing. Design, fabrication and characterization of circuits with the above. Redaction of manuscripts and reports, publication and presentations of the research results. Dissemination of above to the wider public. Assistance with writing, research grants, IP protection documents, etc.

Research Environment: The research group of Prof. Simon Rondeau-Gagné at the University of Windsor focuses their research on the development and synthesis of new organic materials for the next generation of electronic devices. Special emphasis is placed, throughout our research, on the development of new materials with improved properties such as stretching and self-healing. We are also particularly interested in developing new methodologies for designing more sustainable materials based on supramolecular chemistry and self-assembly.

Qualifications: Prospective candidates should have a strong background in organic electronics, specifically in organic thin-film transistors (fabrication, optimization, characterization). Expertise in conjugated polymer design and synthesis or printed electronics is also desirable. Strong written and verbal communication skills are required for this position, especially in the context of a highly multidisciplinary effort. As part of the Postdoctoral training, the applicant will be required help supervise and train graduate and undergraduate students with varied disciplinary backgrounds.

The initial appointment will be for one year with possible extension. The position is open to start as soon as possible.

For information on the project and position, interested candidates are encouraged to contact Simon Rondeau-Gagné by email at srondeau@uwindsor.ca. Please include a CV, brief description of research interests, and contact information for three professional references.

Institution: The University of Windsor is a comprehensive research and teaching institution with more than 15,500 students. We are a welcoming community committed to equity and diversity in our teaching, learning, and work environments. In pursuit of the University's Employment Equity Plan, members from the designated groups (Women, Aboriginal Peoples, Visible Minorities, Persons with Disabilities, and Sexual Minorities) are encouraged to apply and to self-identify. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.