

**Postdoctoral Fellow in Organic and Polymer Chemistry**  
**Laboratories of Profs John Oh and Chris Wilds**  
**Department of Chemistry and Biochemistry**  
**Concordia University**

**Project**

The delivery of nucleic acids to the cell by the formation of polyplexes, mediated by ionic interactions with cationic copolymers, enables numerous therapeutic and diagnostic applications. Our project explores a new paradigm for gene delivery, requiring the synthesis of modified nucleic acids and multifunctional copolymers. This joint project between the laboratories of Profs Oh and Wilds, brings together expertise in polymer and nucleic acid chemistry.

**Requirements**

- PhD in organic and polymer chemistry or relevant field
- Strong skills in the organic synthesis of small molecules and oligomers bearing functional groups
- Strong skills in synthesis and characterization of PEG-based multifunctional copolymers (experience with controlled radical polymerization an asset).
- Skills with assays and techniques to evaluate delivery (experience with gene delivery of polymer-based polyplexes an asset).
- Good oral communication and presentation skills for effective interactions with advisors and students.
- Good technical writing skills for the preparation of monthly progress reports and manuscripts.
- Proven ability to work under pressure, meet strict deadlines and meticulous attention to detail.
- Excellent interpersonal skills to work with graduate and undergraduate researchers and independently.

**Please send your curriculum vitae with a cover letter by December 15, 2020, to the attention of Dr. John Oh ([john.oh@concordia.ca](mailto:john.oh@concordia.ca))**

**Contract period:** One year, with an anticipated starting date of April 2021 or earlier. Renewable subject to funding.

**Salary:** \$45,000 CDN annum including benefits

Concordia University is committed to Employment Equity and encourages applications from women, aboriginal peoples, visible minorities, ethnic minorities, and persons with disabilities.