

04 April 2017

## **MSc/PhD position in laser-assisted needle-free drug delivery (Position ID: 002)**

A Ph.D. or M.Sc. position is available at the Vision Health Axis - Maisonneuve-Rosemont Hospital Research Center (CRHMR). The student will join the newly-established laboratory of Dr. Christos Boutopoulos at CRHMR. The mission of the laboratory is to develop novel laser-assisted technologies for improved intraocular drug delivery and tissue engineering.

### **Project description**

The student will develop a **needle-free drug injection platform based on laser generated high-velocity micro-jets**. The platform will be evaluated for drug delivery in tissue models, *ex-vivo* and *in-vivo*. The successful candidate will have a great opportunity to join an interdisciplinary research environment and get involved in translational research.

### **Student profile**

- B.Sc. /M.Sc. degree(s) in biomedical or physics engineering, physics or related field
- Experience in lasers/optics is an asset
- PhD candidates: 1 research article (published or submitted)
- MSc candidates: knowledge of French is required
- Strong writing and communication skills in English (working language)

Non-registered students will be enrolled in the Biomedical Engineering program at UdeM.

**Salary:** According to the CRHMR salary range for graduate students.

**Application:** For additional information, please contact Dr. Boutopoulos by email. For applying, send us your CV, cover letter and university transcripts by email.

**Application deadline:** open until filled.

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