JOB TITLE: CFBR4 - Bioengineering – Cell culture microcarriers

DEPARTMENT NAME: Center for Biomedical Research

CONTACT NAME: Mohsen Akbari

JOB DESCRIPTION:

This bioengineering project focuses on the development of functionalized microcarriers for high throughput cell culture. The successful applicant will work under the supervision of a postdoctoral fellow and Dr. Akbari to fabricate hydrogel microparticles used for the suspension based cell culture. The project involves design and microfabrication of the microfluidic devices, microfluidic based formation microparticles, and biochemical functionalization of the microparticles for high throughput cell culture. The developed microparticles will be tested with multiple cell lines for studying the capability of cell attachment and harvesting.

QUALIFICATIONS:
- Excellent organizational and time management skills
- General knowledge of fluid mechanics and engineering design
- The ability in teamwork and regular reporting
- Record of hands on experimental work
- Experienced with CAD software, Microsoft Office and data analysis

JOB LOCATION ON-CAMPUS: ELW 239 and E Hut 118

WORK STUDY WAGE: $13.50/hour (including 4% vacation pay)

DEPARTMENT TOP UP: $ 2

HOURS AVAILABLE: 100 hours

HOW TO APPLY: Via email to makbari@uvic.ca

Applicants must be eligible for Work Study Program
For details go to: http://www.uvic.ca/registrar/safa/work-study/index.php