JOB TITLE: CFBR10 - Research Assistant

DEPARTMENT NAME: CENTRE FOR BIOMEDICAL RESEARCH (CFBR)

CONTACT NAME: Dr. Francis Choy

JOB DESCRIPTION:

The Student Research Assistant will provide general support to the laboratory operation and his/her duties include preparation of tissue culture medium, supplies, and glass wares, and providing technical assistance to our ongoing research project on the GBA mutations repair in cultured Gaucher skin fibroblasts and other cell types in our collection using CRISPR/Cas9. In brief, the cells will be transfected using Lipofectamine and GBA gene mutation-specific gRNA-Cas9 complex in the presence of a single strand oligonucleotide correction template for direct homologous repair. Repaired cells will be screened, identified by sequence analysis, and expanded to establish stable cell lines for future potential cell replacement therapy study.

Student’s role - The student will acquire the techniques in molecular/cell biology in our lab and participate in the cloning, expression and characterization of the GBA gene. He/she will gain useful research experience in molecular biology/genetics/biochemistry that compliments what was learned previously from lecture courses.

QUALIFICATIONS:

The student should be majoring in biological science, preferably with previous laboratory/work experience and good organization and bench skills.

JOB LOCATION ON-CAMPUS: Cunningham Room 062

WORK STUDY WAGE: $14.50/hour (including 4% vacation pay)

DEPARTMENT TOP UP: $1.00/hour

HOURS AVAILABLE: 100

HOW TO APPLY:

Cover letter and resume, via email to fchoy@uvic.ca or in person to Francis Choy at Cunningham Room 062.

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