

Temperature Responsive Gels for Biomedical Applications

PROJECT DESCRIPTION

This project will involve the synthesis and characterization of new triblock copolymers by the reversible addition fragmentation chain transfer polymerization. At high concentration these triblock copolymers can form gels that are fully reversible as a function of temperature. These gels will be evaluated for their toxicity and their ability to cryopreserve primary and immortalized cells.

FACULTY-DEPARTMENT

Engineering- Chemical and Materials Engineering

DESIRED FIELD OF (STUDENT) STUDY

Chemistry, Biochemistry, Chemical and Biomedical Engineering, Polymer Engineering

INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

NUMBER OF INTERNSHIP POSITIONS

2

INTERNSHIP START DATE

July 4

INTERNSHIP END DATE

3 months from start date

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.