

Industrial BioDevelopment Laboratory (IBDL)/NSERC Undergraduate Student Research Award (USRA) – Project IBDL/NSERC 2012E

2012 Summer Research Project

Dates: May 7, 2012 to August 24, 2012 (Students must be available for entirety of program). Hours are generally Monday to Friday 8:00 AM to 4:00 PM/9:00 AM to 5:00 PM with the recognition that the nature of research and development activities is such that they can occasionally extend to off hours work activities.

Stipend: \$5,740 for 16 week term

Location: Industrial BioDevelopment Laboratory (www.ibdl.ca)

University Health Network

101 College Street

Toronto

Background Required: Undergraduate student having completed at least one year of university studies and no more than three years in the physical/life sciences with a minimum B cumulative average. Student will be required to submit an official transcript to NSERC confirming their grade point average. Must be a Canadian citizen or a permanent resident of Canada.

Project Number: IBDL/NSERC 2012E (to be quoted in application)

Research Project Title: Molecularly Imprinted Polymer Development project

Research Project Outline: This project will involve the synthesis and characterization of molecularly imprinted polymers for use as analytical and/or processing reagents. Laboratory work will involve polymer synthesis and characterization. Techniques will include basic synthetic organic chemistry and analytical chromatography including thin layer chromatography and/or high performance liquid chromatography.

Additional information: Students will take part in summer student program consisting of undertaking and managing a research project, participating in training workshops, and presenting at scientific and journal club symposia. Students must be comfortable in working in a modern medical research facility in which experimental animal models of disease, human clinical pathogenic specimens, are a variety of chemical and biological compounds are part of the routine laboratory environment. This is a Good Laboratory Practices (GLP) facility where professional behavior and deportment is the norm.