

Optical Spectroscopy of Bio-functionalized Semiconductor Surfaces

A PhD candidate (physics or electrical engineering) with a working knowledge of optical components, hardware interfacing and data acquisition (LabView and basic software to acquire data). Should have experience and interest in using optical spectroscopy for studying nano-materials and solid state interfaces. The ultimate goal of the project is to develop an optical biosensor for rapid detection of viral pathogens in humans (collaboration with the Faculty of Medicine, Université de Sherbrooke). This position is also open to **suitable post-doctoral fellows**. Opening: September 2007 or January 2008 (the latest).

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http://www.chairs.gc.ca/web/home_e.asp

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