POSTDOCTORAL POSITION IN
Nanocellulose based colloidal systems

Research: While considerable attention has been placed on production of cellulose nanocrystals and cellulose nanofibers from wood pulp, there is a critical need to develop high-volume, high-value cellulose nanomaterials based applications in order to make production of cellulose nanomaterials economically attractive. The overall objective of our program is to produce suspensions, foams and emulsion by incorporating cellulose nanocrystals and cellulose nanofibers synergistically into multi-phase and multi-components systems. One of the focus of our program is also controlling the surface chemistry of cellulose nanoparticles by physical and chemical treatment methods.

Experience on:
- Colloids and surfaces or polymer science.
- Dynamic Light Scattering (DLS), Atomic Force Microscopy (AFM), Scanning Electron Microscopy (SEC), X-Ray Photoelectron Spectroscopy (XPS), Isothermal titration calorimetry and various techniques for interface analysis.
- Basic analytical chemistry and organic synthesis procedures.

To Apply: Forward your CV and contact information for three references to:

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Closing date: position open until filled

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.