POSTDOCTORAL POSITION IN Sim Lab

The Sim lab at the Centre for Prion and Protein Folding Diseases (CPPFD) at the University of Alberta is accepting applications for a postdoctoral fellowship with expertise in Protein Biochemistry and Light Scattering. The position will be responsible for performing techniques including, but not limited to: asymmetric flow field flow fractionation with multi-angle and dynamic light scattering, protein aggregation assays, including real time quaking-induced conversion (RT-QuIC), and recombinant protein purification. Work will involve infectious prion particles and be done within biocontainment level 2+ labs. The research focus is characterizing biochemical fingerprints of different prion strains, including aggregate size, structure and stability, as well as seeding properties.

Key Responsibilities:
- Plan research activities and provide research design for the program; determine the most appropriate methodology in carrying out identified research goals
- Design experiments and data collection protocols and standards; conduct advanced analysis of research results
- Participate in the scientific writing of research papers and publications
- Generate recombinant protein containing polymorphisms of interest for aggregation assays and RT-QuIC
- Separate and analyze prion particles with asymmetric flow field flow fractionation and in-line light scattering technology
- Perform aggregation assays and RT-QuIC experiments
- Use denaturation curves to study aggregate stability
- Provide literature search assistance through research of publications, periodicals, manuals and articles

The successful applicant must hold a PhD or equivalent degree; applicant must have obtained a PhD in the past five years. Expertise in protein purification, aggregation assays, circular dichroism, HPLC, FPLC, and light scattering analyses would be greatly advantageous. Prior experience with prions or other biosafety agents is an asset. Two years prior experience as a postdoctoral fellow would be advantageous.

This position is for an initial appointment of one year, with the possibility of extension. Annual salary will be $37,795.86 per year or greater, subject to prior experience. Benefits information for this position can be found at the following link: http://www.postdoc.ualberta.ca/HealthCoverage.aspx.

To Apply:
Please submit a CV with a list of 3 references therein to Stephanie Brown at simres@ualberta.ca.

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 offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.