

Industrial postdoc position for Bull Semen Cryopreservation Optimization

Quebec / Saskatchewan - Canada

2 years contract

The Benson Cryobiology laboratory at the University of Saskatchewan, in collaboration with SEMEX, in Quebec (semex.com), is offering a 2-year postdoctoral fellowship to an applicant interested in using original interdisciplinary techniques to optimize bull semen cryopreservation. The successful candidate will work towards bull semen cryopreservation media optimization by determining biophysical parameters, cryoprotectant toxicities, and toxicity minimizing agents. Then they will use these components in an innovative way to determine optimal cryoprotectant media equilibration protocols leading to successful post thaw recovery. This interdisciplinary project combines basic sperm science with mathematical modeling and optimization in an applied setting with access to large donor, recipient, and data pools.

Qualifications:

- Candidate must be within 6 months of completing their Ph.D. degree in a discipline related to theriogenology or cryobiology.
- Candidate must have at least one first author publication in the area of mammalian sperm, preferably in sperm cryopreservation.
- Knowledge of cryobiological principles and sperm preservation techniques is preferred but not required.
- Candidate must be comfortable with, but not necessarily expert in, mathematical modeling approaches to biology.
- Candidate must be willing to travel between two principal locations in Canada (Saskatchewan and Quebec).

Semex is a dynamic global organization that is committed to developing and delivering innovative genetic solutions. We believe that people truly are the cornerstone of our success, and that our employees are our most important asset. At Semex, we demand the best of ourselves, our company and in what we do for our customers. Surrounding ourselves with the best, the brightest and the most aggressive professionals ensures we attain this goal. We offer a challenging yet flexible work environment along with competitive compensation.

If you have the skills to meet this challenging position, you can apply by sending your résumé to the following address:

Link: <https://semex.bamboohr.com/jobs/view.php?id=114>

Website: www.semex.com

We thank all applicants for applying for this position, but only those considered for an interview will be contacted.