

Postdoctoral Research Fellowship at the University of Saskatchewan

The Ruzzini Laboratory is accepting applications for a Postdoctoral Research Fellow to participate in an early phase drug discovery program targeting *Mycoplasma bovis*, a causative agent of bovine respiratory disease and chronic pneumonia and polyarthritis in feedlot cattle. Specifically, the project will focus on the development of high-throughput *in vivo* and *in vitro* assays to screen commercially-available and natural product extract libraries for the ability to disrupt lipoprotein maturation in *M. bovis*.

The ideal candidate will have a background in biochemistry, molecular microbiology, and related fields. While previous experience with the cultivation and genetic manipulation of *Mycoplasma* spp. are preferred, a strong scientific publication record and willingness to learn are essential.

Qualifications

- Ph.D. in a relevant discipline (e.g. Biochemistry, Molecular Biology, Microbiology)
- A strong understanding of experimental design and analysis
- A range of knowledge related to common molecular biology and biochemical techniques
- Experience in high-throughput assay development
- Strong oral communication and technical writing skills
- Demonstrated professionalism and interpersonal skills

The Ruzzini laboratory opened in November 2017, and is located in the Western College of Veterinary Medicine of the University of Saskatchewan in Saskatoon. The University of Saskatchewan has a population of ~25,000 students and is a member of the U15 Group of Canadian Research Universities. A number of remarkable basic science research facilities are located on campus, including the Saskatchewan Structural Sciences Centre (<https://sssc.usask.ca/>) and the Canadian Light Source (<https://www.lightsource.ca/>). Off-campus agriculture research facilities such as the Livestock and Forage Centre of Excellence (<https://lfce.usask.ca/>) provide complementary resources to basic science and laboratory-based projects.

Saskatoon is the academic and cultural hub of central Saskatchewan with a population of ~250,000 residents. Fondly referred to as the *Paris of the Prairies*, the city is intersected by the South Saskatchewan River and is surrounded by agricultural land.

Applications will be reviewed until the position is filled and should be e-mailed directly to Antonio Ruzzini (acr753@mail.usask.ca). Complete applications should include a one-page letter describing your research experience and career goals, a recent CV, and the names of three referees.