



Postdoctoral Scholar, Innate Immunity in the Pathogenesis of Inflammatory Intestinal Diseases

Position Description.

Area: Gastrointestinal Immunology.

Duration: This is a 2-year position with the possibility of extension.

Start Date: January 2024 (Flexible).

Salary: CAD \$50,000/year plus benefits.

Job Summary.

The postdoc will work at Dr. Eduardo R. Cobo's lab (www.cobolab.com) on projects related to investigate the production and antimicrobial and immune modulatory functions of cathelicidin peptides in intestinal homeostasis and disease. These host defense peptides innately secreted by the intestinal epithelium and surrounding neutrophils are important components of the epithelial innate immune system in humans and livestock animals, with still unknown roles controlling infection and mitigating inflammatory responses. The goal is to advance cathelicidins as natural and effective alternatives to current treatments for enterocolitis that could reduce the use of conventional antibiotics. Our approach includes the use of murine models deprived of cathelicidins and pigs challenged by enteropathogens and cultured intestinal cells, leukocytes, and colonoids to determine mechanisms of action of cathelicidins.

Qualifications.

A recent PhD (within 3 years of graduation) in medicine, veterinary medicine, biomedical science, immunopathology, or a related discipline. Ability to work independently with good communication skills in English. Experience in immunology, molecular biology, or animal models is desired. The candidate must also have a track record of academic success as evidenced by peer-reviewed publications, awards, and scholarships.

Apply.

Send your 1) CV, 2) a letter stating your experience and, 3) the names and contact information for two persons who have agreed to provide references to **Dr. Eduardo R. Cobo** (Univ. of Calgary, Canada) at ecobo@ucalgary.ca. Check our website for more information (www.cobolab.com/).

About the University of Calgary

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to be recognized as one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity, and innovation across all disciplines. For more information, visit ucalgary.ca.

To succeed as one of Canada's top universities, where new ideas are created, tested and applied through first-class teaching and research, the University of Calgary needs more of the best minds in our classrooms and

labs. We're increasing our scholarly capacity by investing in people who want to change the world, bringing the best and brightest to Calgary to form a global intellectual hub and achieve advances that matter to everyone. For more information visit research.ucalgary.ca/postdocs.

About Calgary, Alberta

Calgary is one of the world's cleanest cities and has been named one of the world's most livable cities for years. Calgary is a city of leaders – in business, community, philanthropy and volunteerism. Calgarians benefit from the strongest economy in the nation and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

The University of Calgary has launched an institution-wide Indigenous Strategy in line with the foundational goals of Eyes High, committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

As an equitable and inclusive employer, the University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here. In particular, we encourage members of the designated groups (women, Indigenous peoples, persons with disabilities, members of visible/racialized minorities, and diverse sexual orientation and gender identities) to apply. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding [diversity] EDI at UCalgary can be sent to the Office of Equity, Diversity and Inclusion (equity@ucalgary.ca) and requests for accommodations can be sent to Human Resources (hrhire@ucalgary.ca).

