

Assistant Professor in Biostatistics

Department of Mathematics and Statistics, Faculty of Science, University of Calgary

See the full job posting at <https://www.mathjobs.org/jobs/list/20288>.

The Department of Mathematics and Statistics at the University of Calgary seeks outstanding candidates for a tenure-track position at the rank of Assistant Professor in Biostatistics with an anticipated start date of 1st January, 2023.

The successful candidate will have a PhD in biostatistics/statistics or a closely related field. They will have a research program in biostatistical analysis, methodology development, and computation, with a focus on the statistical analysis of and computation with complex data from human, animal, or health/biomedical research and clinical work. They will have an outstanding record of research in the form of publications in high-impact, peer-reviewed journals, awards, invited talks and other scholarly achievements, as appropriate for their career path and stage. A demonstrated record of or potential for attracting and sustaining peer-reviewed external funding is also required, as is a commitment to high-quality teaching and supervision at the undergraduate and graduate level.

The successful candidate will join a multidisciplinary and inter-Faculty team of statisticians, biologists, medical researchers and investigators studying models and clinical realities of human and animal disease. Peer-reviewed external funding is expected to be sustained throughout the appointment, and industrial partnerships are strongly encouraged where appropriate. The position includes both teaching and research responsibilities and will include expectations to recruit and supervise graduate students. Candidates must have excellent communication and interpersonal skills. The candidate is expected to contribute to the interdisciplinary Biostatistics and Data Science programs at the University and to complement Department expertise at both undergraduate and graduate levels.

This is an excellent opportunity to develop a vigorous and independent research program within a dynamic and collaborative environment in the Department. The Department has established expertise in statistical research and is developing links with the biomedical research and data science groups in the Faculty of Science, the Cumming School of Medicine and the Faculty of Veterinary Medicine at the University, surrounding research communities and

industry. The Department offers a vibrant research environment and the statistical faculty members in the Department excel in both research theory and methods as well as interdisciplinary collaborative work. The Department's current research areas are broad and support three graduate programs in statistics, biostatistics and actuarial science. The Department is co-hosting programs in Data Science and Analytics with the Department of Computer Science.

Current research areas of the biostatistics group include causal inference, Bayesian methods, big data analytics, empirical likelihood, extreme-value analysis, infectious disease modeling, lifetime data analysis, methods for high-dimensional data, non-parametric methods, pseudo and composite likelihood methods, semiparametric and nonparametric models, statistical learning and data mining. The Department is home to the Research Group in Biostatistics (RGB), which is a diverse and active group that includes researchers and students with methodological and applied interests in the medical, health, biological, and social sciences. The University of Calgary offers graduate Biostatistics research training opportunities run jointly by the Departments of Mathematics and Statistics (Faculty of Science) and Community Health Sciences (Cumming School of Medicine). This graduate training is offered at both the PhD and MSc Thesis levels, available as an interdisciplinary specialization in Biostatistics. The University of Calgary, jointly with the University of British Columbia – Okanagan, operates the Canadian Statistical Sciences Institute (CANSSI) Rocky Mountain Data Science Network that offers excellent Biostatistics graduate students the chance of paid four- or eight-month internships, working in governmental, industrial and academic environments. We are currently establishing the CANSSI Rockies Regional Centre that will provide further training and collaborative opportunities with colleagues from 11 other universities in Alberta, B.C. and Yukon.

How to Apply

Interested individuals are encouraged to submit an application online via the [MathJobs.org](https://mathjobs.org) website. Applications must include the following:

- A cover letter containing a description of why this position is of interest to the candidate, and a clear statement of their Canadian Citizenship/Residency status
- A description of past, current and future research

- A statement describing the candidate's contributions, or potential contributions to, Equity, Diversity, and Inclusion (EDI) along with their ability to work with a culturally diverse and international student, staff, and faculty body (up to 1 page)
- A concise statement of teaching philosophy and focus (1 page)
- A curriculum vitae
- Names and contact information for three references.

Three letters of reference, at least one of which addresses teaching, will be required for shortlisted candidates. These letters may be uploaded onto the MathJobs.org site or, if requested, sent directly by the references to

- Dr. Antony Ware, Head, Department of Mathematics and Statistics.
Email: aware@ucalgary.ca
University of Calgary, 2500 University Drive Calgary, AB T2N 1N4

Questions may be addressed to the Search Committee by emailing search@math.ucalgary.ca.

Only applications received by 30th September, 2022 will be guaranteed full consideration.

The University of Calgary's comprehensive benefits and pension program is designed to promote a productive level of health and well-being to staff members through coverage for health, dental, life insurance, income protection for disability, and retirement income planning. To learn about our comprehensive benefits package, please visit http://www.ucalgary.ca/hr/academic_benefits_pension.

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.

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.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. In this connection, in the cover letter included in your application, please state clearly whether or not you are either a Canadian citizen or a permanent resident of Canada.

Additional Information

The University of Calgary is pursuing a Growth Through Focus strategic vision involving future-focused program delivery, transdisciplinary scholarship, and deeper community integration. To learn more about academic opportunities at the University of Calgary and all we have to offer, view our Academic Careers website. For more information about the Faculty of Science visit Careers in the Faculty of Science.

About the Faculty of Science

The Faculty of Science has been catalyzing change and inspiring discovery, creativity, and innovation for over 50 years. Our strategic direction integrates current and emerging strengths with areas targeted for future growth and investment. Our strategic priorities, goals, and values guide our mission to advance research, scholarship, and innovation, create authentic learning experiences, and inspire careers of the future. We fuel transformational change, and build a strong community through teaching, learning, research, scholarship, and collaborative partnerships. We do this work to generate curiosity-driven discovery and contribute solutions to society's grand challenges. For more information, visit science.ucalgary.ca/. We thrive in the dynamic context of the University of Calgary, one of Canada's most youthful and innovative universities. We are a bold and ambitious research university, grounded in innovative learning and teaching, fully engaged in Calgary's entrepreneurial spirit.

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's Growth Through Focus strategy is putting it on course to be an entrepreneurial university, where students, faculty and staff face fewer barriers to innovation and more tools to change the world around them. The University of

Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit ucalgary.ca.

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 a growing number of world-class dining and cultural events and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.