



Assistant Professor, Biostatistics and Health Data Science, Department of Mathematics and Statistics, Faculty of Science (Job ID: 20142)

The **Department of Mathematics and Statistics** at the **University of Calgary** invites applications from outstanding candidates for a full-time, tenure-track position in the area of **Biostatistics and Health Data Science**. This appointment is at the rank of **Assistant Professor**, with an anticipated start date commencing on or after July 1, 2020.

The successful candidate will have a PhD in biostatistics or statistics (or equivalent), a research interest in data science applied to health data, and a demonstrated commitment to high-quality teaching and supervision at the undergraduate and graduate level. A proven record of research excellence commensurate with their stage of career development and demonstrated potential for attracting and sustaining peer-reviewed external funding are also required. We are particularly interested in applicants who would strengthen our data science activities in the area of health data analytics.

The University of Calgary is a centre for innovation and training in data science, providing a range of opportunities for the successful candidate to engage in collaborative research and teaching. The new interdisciplinary Professional Data Science Certificate and Diploma (<https://science.ucalgary.ca/data-science>) has its heart in the Faculty of Science (in the departments of Mathematics & Statistics and Computer Science) but also has diploma streams in Health Data Science & Biostatistics and in Business Analytics, with others in the pipeline. Across the Faculty of Science, there are opportunities for collaboration with colleagues in Computer Science, Chemistry and Biology working on data-intensive health science research.

The biostatistics research group in the Department combines a measure and diversity of expertise that is unique in Canada, spanning a broad range of computational, applied and theoretical topics including copula models, survival analysis, Monte Carlo inference, systems biology, and high dimensional data analysis. It is involved in collaborations with other scientists and engaged in statistical consulting. A majority of these research collaborations deal with some aspects of human and animal health, such as ophthalmology, epidemiology, oncology, physiology, genetics, toxicology, and randomized clinical trials. The group has a close affiliation with the University's Cumming School of Medicine; its seven institutes provide invaluable sources of real problems and data for biostatistics research. The group is also closely affiliated with the University's Faculty of Veterinary Medicine and Alberta Health Services, which are the home institutes of two group members with cross-appointments with Mathematics and Statistics. They play an important role in linking our group with colleagues in the areas of biomedical and veterinary research and public health, as does the new graduate specialization in Biostatistics (see <https://science.ucalgary.ca/mathematics-statistics/future-students/graduate/programs>), which offers the opportunity to work with highly motivated graduate trainees in an interdisciplinary setting.

More information on research areas in the Department can be found at https://math.ucalgary.ca/research/research_areas.

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 (for immigration purposes, please also indicate if you are a Canadian citizen or a permanent resident of Canada)
- a description of past, current and future research
- 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](https://mathjobs.org) site, or 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 April 4, 2020 will be guaranteed full consideration.

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, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)

Additional Information

The University of Calgary is pursuing a strategic goal to be recognized as one of Canada's top five research universities, where students thrive in programs made rich by research, hands-on experiences and entrepreneurial thinking, and where we fully engage the communities we both serve and lead. The strategy is called Eyes High, inspired by the university's Gaelic motto, which translates as 'I will lift up my eyes.'

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 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.

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.