



**Canada Research Chair (Tier II) in Paediatric Musculoskeletal Image Science, Department of Cell Biology & Anatomy, Cumming School of Medicine**

The Department of Cell Biology & Anatomy, in partnership with the McCaig Institute for Bone and Joint Health and supported by the Alberta Children's Hospital Research Institute (ACHRI), in the Cumming School of Medicine at the University of Calgary invite applications for a Canada Research Chair (CRC) Tier II in Paediatric Musculoskeletal Image Science. The successful candidate will be appointed at the rank of Assistant or Associate Professor (tenure-track) and will be nominated for a CRC Tier II Chair.

The successful candidate will use image-based, data-driven methods to perform deep phenotyping, an emerging field of precision medicine that provides disease classification.

The position provides 75% protected time for research and will include expectations to contribute to teaching as well as service to the department, faculty, Institutes or University, particularly as this relates to advancing the area of bone and joint health. An essential qualification is a PhD. This is an excellent opportunity to develop an independent, externally-funded research program within a highly collaborative, and forward-thinking environment. The applicant must be able to demonstrate commitment to advancing the principles of equity, diversity and inclusivity in all aspects of their professional activity.

Applicants at the Assistant Professor level should demonstrate a record of peer-reviewed publications, including publications as first or senior author. They should have a track record of peer-reviewed funding at the local and, preferably, national level. Future success in receiving external funding at the level of Tri-Council or equivalent peer reviewed National/International organization should be a realistic goal. In terms of education and teaching, applicants at the Assistant Professor level must show evidence of successful teaching activity and supervision and/or mentorship of trainees, undergraduate and graduate students.

Applicants at the Associate Professor level must present evidence of an established, externally funded (at the level of Tri-Council or equivalent peer reviewed National/International organization) research program, a strong publication record as evidenced by continuous publication in high-ranking journals, including as senior or first author. Applicants must show evidence of successful teaching and/or graduate supervision, and evidence of established academic engagement in professional and other communities.

The ideal candidate will have a strong multidisciplinary education and technical background in computational sciences, medical or pre-clinical imaging (e.g., micro-computed tomography), imaging-informatics, machine learning and/or data science. The candidate's PhD must be in one of those fields, or demonstrate their research experience through peer-reviewed publications. The chair will be focused on imaging/image science in paediatric musculoskeletal diseases and will work at the nexus of the fields of biology, medicine, and engineering. The Chair will be an important addition to the prolific and diverse

research environment for patient-oriented science at the McCaig Institute's Centre for Mobility and Joint Health (MoJo) and an active collaboration between the McCaig Institute and ACHRI.

Tier II Chairs are intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination). Candidates who are more than 10 years from having earned their highest degree and who have had career breaks, such as maternity, parental, or extended sick leave, clinical training, etc., may have their eligibility for a Tier II Chair assessed through the program's Tier II justification process. In cases where the candidate has more than one PhD, or have obtained a professional degree (MD, DVM, etc.) in addition to a PhD, the first of these degrees is used in the 10-year qualification. Exemptions may be granted by providing a formal justification. Research interruptions caused by the COVID-19 pandemic (e.g., closures) are recognized as, and may be counted as, an eligible delay (credited at twice the amount of time) beginning March 1, 2020. Please contact the University of Calgary's Office of Research Services for more information: [ipd@ucalgary.ca](mailto:ipd@ucalgary.ca). Further information about the Canada Research Chairs Program can be found on the Government of Canada's CRC website, including eligibility criteria.

The University of Calgary recognizes that candidates have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged but not required to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Selection committees have been instructed to give careful consideration to, and be sensitive to the impact of career interruptions, when assessing the candidate's research productivity.

Interested individuals are encouraged to submit an application online via the University of Calgary Careers webpage using the 'Apply Now' link. Please be aware that the application process allows for a maximum of four attachments. Your application attachments should be organized to contain the following (which may require you to merge documents):

- Cover letter and curriculum vita
- Statement of research interests including a description of a proposed 5-year research plan for the Chair (not to exceed 2 pages)
- Name and contact information of three (3) referees

Questions about this position may be directed to:

Dr. Benedikt Hallgrímsson  
Professor and Head, Department of Cell Biology and Anatomy, Research Director ACHRI  
c/o Sapna Jotwani ([sjotwani@ucalgary.ca](mailto:sjotwani@ucalgary.ca))

Or

Dr. Steven Boyd  
Professor and Director, McCaig Institute for Bone and Joint Health  
Email: [skboyd@ucalgary.ca](mailto:skboyd@ucalgary.ca)

The closing date for applications is January 31, 2022.

Posting Date: December 15, 2021

Closing Date: January 31, 2022

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; in particular, we encourage members of equity-deserving groups (women, Indigenous Peoples, persons with disabilities, members of visible minorities and diverse sexual orientation and gender identities) to apply. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding diversity or requests for accommodation can be sent to Human Resources (hrhire@ucalgary.ca).*

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 Cumming School of Medicine visit **Careers in the Cumming School of Medicine**.

### **COVIDSafe Campus Strategy**

The University has implemented a new [Vaccination Directive](#) that requires all faculty and staff to be fully vaccinated against COVID-19 by January 1, 2022. You will be required to upload proof of vaccination prior to commencing your duties. Please review the **COVIDSafe Campus website** for further information and access to additional resources.

### **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.

