Postdoctoral Scholar Position

Area: Concussion Mechanisms in Youth Sport
Duration: 2 years
Start date: May 2022
Annual Stipend: $60,000 + benefits

The Faculty of Kinesiology at the University of Calgary is accepting applications for a Postdoctoral Fellow in the Sport Injury Prevention Research Centre (1 of 11 International Research Centres for Prevention of Injury and Protection of Athlete Health supported by the International Olympic Committee), under the supervision of Dr. Carolyn Emery, in alignment with the University of Calgary’s Integrated Concussion Research Program. This is a University wide multidisciplinary research program across basic science, clinical, population health and health systems research with a focus on concussion across prevention, detection, diagnosis, prognosis, management and treatment.

Job Description:
We are looking for Postdoctoral Scholar to lead a research program aligned with the WeTRAC – Wearable Technology Research And Collaboration (R Ferber PI) Training Program and the SHRed Concussions (Surveillance in High Schools to Reduce Concussions and their Consequences) Program (C Emery PI). Dr. Reed Ferber is a biomechanist and wearable technology expert and Dr. Carolyn Emery is a physiotherapist and epidemiologist for a research program focused on the prevention of concussions and all injuries and their consequences in youth sport and recreation.

SHRed Concussions is a pan-Canadian research project to inform a reduction in the burden of concussion in youth through evaluation of the development, implementation, effectiveness and sustainability of novel primary, secondary and tertiary concussion prevention strategies. SHRed Concussions will also inform sport-related concussion detection, diagnosis, prognosis, management, and treatment in youth. SHRed Concussions is funded by the National Football League’s Scientific Advisory Board and involves a collaboration across ten Canadian Universities as well as over 30 community, government, and industry partners across five provinces.

The successful candidate will lead a research program aligned with research focused on the prevention of concussions and their long-term consequences; be engaged in research mentorship; and be involved in knowledge translation activities associated the SHRed concussions and WeTRAC research programs. Specifically, the program will focus on a greater understanding of head impact biomechanics using wearable technologies validated for use in youth collision sport. The successful applicant will bring biomechanics and/or biomedical engineering (mechanical) expertise and work closely with the SHRed video-analysis and epidemiology research team in a transdisciplinary research program.

Qualifications:
The successful candidate will bring unique expertise in biomechanics/biomedical engineering (mechanical) and optimally some experience in injury/concussion biomechanics research and hold a PhD in or aligned with biomechanics, mechanical engineering, injury/concussion prevention, and/or sport science. Expertise in machine learning and/or other non-linear statistical techniques are considered a significant asset for the successful candidate.
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Application details:
Please submit your expression of interest, CV, examples of 3 publications, names of 3 references, and a one-page research statement to caemery@ucalgary.ca by March 15, 2022.

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.

About Calgary
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 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 professional success while they are here. We encourage all qualified applicants to apply, however preference will be given to Canadian citizens and permanent residents of Canada.