



*** RESEARCH ASSISTANT ***

CANADA RESEARCH CHAIR IN MECHANOBIOLOGY OF THE PEDIATRIC
MUSCULOSKELETAL SYSTEM

The Canada Research Chair in Mechanobiology of the Pediatric Musculoskeletal System is seeking a highly motivated candidate interested to work on multidisciplinary projects combining techniques of mechanical engineering, biomechanics and biology.

The appointee to this position will have the following responsibilities:

- Participate to experimental research projects in mechanobiology. For information, ongoing projects are listed at:
<http://www.polymtl.ca/recherche/rc/en/professeurs/details.php?NoProf=292&showtab=ENC>
- Provide technical support and advice to students in the laboratory (mainly for the use of laboratory equipment).
- Perform maintenance of laboratory equipment.
- Design and fabricate specialized fixtures/components for experimental testing.
- Participate in the creation and maintenance of Standard Operating Procedures (SOP's) developed from research projects in the laboratory.
- Participate in the preparation of abstracts, posters, presentations and/or papers.

Required qualifications include:

- Master's degree in mechanical, biomedical engineering, or related field. Experience working in a laboratory setting is an asset.
- Computer application: CAD (CATIA and/or Autocad). Programming experience in MATLAB and/or LabView is an asset.
- Experience and/or formation in biology/bioassays is an asset.
- Excellent oral and written communication skills, including technical documentation.
- Bilingualism (French/English) is an asset.
- Ability to work independently and as a member of a team.
- Ability to interact effectively in an interdisciplinary environment (engineers, students, laboratory technicians, surgeons/orthopedists).
- Ability to multitask and prioritize tasks appropriately and effectively manage research expectations.

Interested candidates are encouraged to send a letter of interest and resume by email to: isabelle.villemure@polymtl.ca.

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