



UNIVERSITÉ  
LAVAL

Faculté des sciences et de génie  
Département de génie des mines, de la métallurgie et des matériaux

## TENURE TRACK PROFESSORSHIP in Biomaterials and Bioengineering

In the heart of the beautiful Quebec City, one of the major French-speaking town in North America and declared by UNESCO world heritage, Laval University is a main Canadian University recognized for its excellence in teaching and research.

### TENURE TRACK PROFESSORSHIP

The department of Mining, Metallurgy and Materials Engineering welcomes candidatures for a regular tenure track professorship in biomaterials and bioengineering. The candidate will be required i) to teach in the specialties of the department, at undergraduate and graduate level, ii) to develop and original and self-funded innovating research program in the field connected to the newly established Canada Research Chair Tier 1 in Biomaterials and Bioengineering for the Innovation in Surgery ([www.lbb.gmn.ulaval.ca](http://www.lbb.gmn.ulaval.ca)) and iii) to supervise graduate students in the projects connected to the Chair. The envisaged fields of research are related to the biology, biochemistry and living sciences (in vitro and in vivo experiments) of biomaterials and in particular with: i) the design and the development of scaffolding structures for the 3D cell culture in bioreactors under mechanical stresses and strains for the regeneration of cardio-vascular tissues; ii) the interactions between materials, surfaces and extra cellular matrix proteins, and in particular functional coatings to improve the clinical performances of medical devices; and iii) the design and development of specific tests to assess the biological performances of a new family of biomaterials based on degradable metallic materials for biomedical applications.

### SELECTION

The candidate will have obtained a doctoral degree in science or engineering in a field connected to biomaterials and bioengineering. The membership or the ability to become a member of a Professional Engineering Association in Canada is welcome but not mandatory. The ability to communicate in French at oral and written, or be able to acquire it within three years from the beginning of the position, is required. Academic experience in research and industrial in the fields of the Chair will be considered during selection.

### CANDIDATURE

Deadline for submitting candidature: **September 22, 2012**

Expecting starting date: **May 1<sup>st</sup>, 2013**

The candidature will include a letter of intent and motivation, a complete CV, and three (3) reference letters addressed directly to:

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Or by email : [jacek.paraszczak@gmn.ulaval.ca](mailto:jacek.paraszczak@gmn.ulaval.ca)

*“Valuing diversity, Université Laval encourages all qualified individuals to apply-particularly women, visible and ethnic minorities, aboriginal persons, and persons with disabilities-but priority will be given to Canadians and Canadian permanent residents.”*