

Job Posting Position: Post Doctoral Fellow (PDF)
Type: Full-time (1-year contract; renewable up to 3 years)
Location: Edmonton, AB
Position Start Date: September 1, 2015 (or earlier)
Posting Date: May 1, 2015
Closing Date: Position open until filled

U of A CME Department offers outstanding laboratory facilities and opportunities for learning and growth. You will have access to world class materials engineering personnel as well. With 50 professors, over 300 graduate students and more than 500 undergraduate students, our department is growing every year.

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The project is unique opportunity for PDF with engineering background to expand the work in the field of clinical biomedical engineering. Specifically, the PDF will be responsible for developing wearable electronics for health monitoring. The scope of the project ranges from sensory device fabrication to application to human subjects. A stretch goal is clinical application to patient populations.

Successful candidate will have an opportunity to participate in a strongly collaborative team for innovations in biomedical engineering, including faculties of engineering and regenerative medicine at the University of Alberta, the Cross Cancer Institute, and the Institute for Regenerative Sciences in Medicine (iRSM).

You will receive training, as appropriate, in:

- Material selection and development for flexible/stretchable electronics
- Integration of flexible electronic systems
- Application of electronic biosensors to human population
- Visual communication; technical speaking and writing

Qualifications

- Must hold a PhD degree in engineering or in physical sciences
- Must have a strong aspiration to apply engineering knowledge to the comfort of patient populations
- Prior experience in the materials and/or fabrication of flexible electronics
- Or, prior experiences in BioMEMS fabrication can be a strong qualification
- Experiences in system level integration will be a strong asset.
- Excellent verbal & written communication skills, excellent organizational skills
- Ability to work independently in a collaborative environment

To apply for the position – please send a resume and cover letter to: Dr. Hyun-Joong Chung,
chung.hj13@ualberta.ca

Research Homepage: www.ualberta.ca/~chung3

