



Postdoctoral Fellow* in Medical Physics

The medical physics research group of CHU de Québec (physmed.fsg.ulaval.ca) and Université Laval (<http://www.ulaval.ca>) is seeking a postdoctoral fellow to work on cutting edge brachytherapy projects involving both experimental and numerical aspects, with potential for pre-clinical validation and implementation as well.

The successful candidate will have:

- PhD in medical physics (preferred), experimental particle physics, experimental nuclear physics or biomedical engineering.
- Excellent laboratory skills.
- Demonstrated C++ and /or Python programming skills (knowledge of Monte Carlo methods – e.g. Geant4, EGSnrc, ... - a plus)
- Demonstrated writing and communication skills, through publications and conference presentations.

The successful applicant will be based at CHU de Québec radiation oncology department in the heart of the old city (UNESCO World Heritage). The department serves over 1.9 million inhabitants and treats more than 4000 patients per year. It is equipped with 8 linacs (7 with cone-beam CT, 6 with RapidArc), 1 orthovoltage unit, two brachytherapy afterloaders and a full 3D ultrasound image-guided intra-operative seed implant system. Our institution is a Canadian pioneer in the field of brachytherapy and possesses one of the largest clinical programs. The department also has active IMRT, TBI and Radiosurgery programs. You will join a group of 24 medical physicists and a successful CAMPEP accredited graduate program.

Letter of interest and CV should be sent to:

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E-mail: [beaulieu\[at\]phy.ulaval.ca](mailto:beaulieu[at]phy.ulaval.ca) (preferred method of contact)

URL 1: <http://physmed.fsg.ulaval.ca/>

URL 2: <http://www.crc.ulaval.ca/client/en/accueil.html>

*This position is initially for 1 year (longer term renewal possible), starting no later than September 2016.