

Postdoctoral Position: Spectroscopy on Atmospheric Pressure Plasmas for Medicine

Plasma Physics and Spectroscopy Laboratory (PPSL www.polymtl.ca/plasma) of Stephan Reuter, TransMedTech Chair for Plasma Medicine, within the Department of Physics Engineering at Polytechnique Montréal and the TransMedTech Institute offers a Postdoctoral Fellow position. Successful applicants should have hands-on experience in spectroscopy of plasmas and/or plasma liquid systems, plasma source design, and/or laser spectroscopy. They should have an interest or experience in plasmas for medicine.

You will work on an interdisciplinary project involving aspects of physics, biophysics, chemistry, and medicine. In this position, you are expected to contribute to proposal and report writing, and to preparation of presentations and publications.

Your profile:

- Ph.D. in physics, chemistry, mechanical-, electrical-, biomedical engineering, or a related discipline.
- excellent theoretical and practical knowledge within the fields of plasma physics and diagnostics, biomedical applications of plasmas, or redox biological processes relevant for plasma medicine.
- outstanding scientific track record demonstrating well-organized design and execution of research.
- ability to work independently and in a collaborative team.
- strong communication skills.
- strong motivation to collaborate with researchers in the medical field
- your excellent grades should allow you to apply for grants under Canadian funding schemes.

We will especially consider applications under the aspect of equity, diversity, and inclusion.

You will be employed at Polytechnique Montréal, a francophone engineering University in the heart of Montréal. You will interact with colleagues within Engineering Physics Department and the Institut Biomédicale of Polytechnique Montréal and Université de Montréal and the Institute TransMedTech and its collaborating research hospitals.

Please send your application in a first application stage as a single PDF file including a full CV, a cover letter describing research interests and goals (max. 2 pages), full list of publications highlighting your most relevant peer reviewed works, as well as the names and contact information of three references. **Applications should be sent to Prof. Stephan Reuter (stephan.reuter@polymtl.ca) using the subject line “PPSL-Postdoctoral Fellow”.** The successful candidate of the first stage must send a full application including a research project to the Institute TransMedTech de Montréal (fall competition deadline: 1st stage **10th of Sept. 2020**; full application 21st of Sept. 2020 – spring competition deadline: to be announced).