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Opening for 2 Postdoctoral Researcher Positions in the Light-Matter Group

The Light-Matter Group at Polytechnique Montréal (www.light-matter.ca) currently has **2 immediate openings for postdoctoral researchers.**

Context: As part of an NSERC-supported Quantum Consortium, in collaboration with McGill University, University of Montreal, University of Toronto, University of British Columbia and the National Research Council, the Light-Matter Group is hiring 2 postdoctoral researchers for the development of molecule-based quantum technologies.

Expertise: Candidate should hold a PhD in physics, electrical engineering, materials science, physical chemistry or a related field. We are specifically seeking candidates with expertise in one or some of the following topics: **single-molecule spectroscopy, integrated photonics, nonlinear optics, quantum photonics and organic photonics.** We encourage all qualified candidates to apply, including women, BIPOC researchers, LGBTQIA2+ folks and scientists with disabilities. Accommodations can be provided upon request.

Polytechnique Montréal is an Engineering university located in the heart of Montréal, with an enrollment of nearly 10,000 students. Polytechnique values the diversity of its employees and adheres to an equal employment opportunity program for women, visible and ethnic minorities, Indigenous people and persons with disabilities. Polytechnique is the first Canadian university to have received the Parity Certification from Women in Governance and offers excellent working conditions, fostering work-life balance and the well-being of all its employees.

The **Light-Matter Group** studies the behavior of elementary excitations (carriers, excitons, polaritons, phonons) in molecular and 2D semiconductors and develops optoelectronic (LEDs, photodetectors, lasers, solar cells) and quantum optical devices (quantum light sources, quantum simulators) based on these materials. The group is equipped with extensive fabrication (gloveboxes, UHV deposition cluster, thermal evaporator) and spectroscopy equipment (ultrafast time-resolved spectroscopy, single-molecule spectroscopy, mid-infrared spectroscopy). Team members also have access to >150M\$ in worldclass nanoscience infrastructure on Campus. Postdocs will be part of two Québec-wide research clusters: RQMP and INTRIQ, which organize biannual workshops, industry meetups, summer and winter schools, and networking events between students and industry across a broad range of topics.

Applicants should contact Prof. Stéphane Kéna-Cohen (s.kena-cohen@polymtl.ca) with a cover letter and a copy of their CV.