

Postdoctoral Position: Computational (Quantum) Chemistry, Catalysis/Pharma

A postdoctoral position is available at the University of Toronto, Ontario, Canada, in the field of computational chemistry, in close collaboration with a major pharmaceutical company.

The work will be related to transition metal catalysis in organic synthesis, with direct applications for the synthesis of pharmaceuticals. We are looking for a highly motivated and creative candidate. Substantial experience in quantum chemistry (either DFT or ab initio) is required, experience with localized bonding methods (NBO or any flavor of modern VB theory) is a strong asset. Experience with statistical or data fitting procedures (regression methods) is not required but also an asset. Candidates from underrepresented backgrounds are particularly encouraged to apply. The work will be supervised by Professor Ulrich Fekl, at the Mississauga campus of the University of Toronto. Computational infrastructure (Linux workstations, supercomputer access) will be provided. While the position will be Toronto/Mississauga-based, the candidate is expected to meet regularly with the industrial collaborators in the US, which normally can be done through videoconferencing. The position is expected to have funding for one year, with the possibility for extension by another year. As a start date, January 1, 2023 is envisioned (details negotiable but should be in early 2023).

Applications (cover letter highlighting qualifications, academic CV, one letter of recommendation) should be sent, on or before November 9, by e-mail to ulrich.fekl@utoronto.ca.