

Postdoctoral position in computational quantum chemistry at the University at Buffalo, SUNY

The group of Prof. Johannes Hachmann at the University at Buffalo (UB) has an immediate opening for a postdoctoral researcher in the area of computational quantum chemistry, with a **focus on designing molecular catalysts and catalytic reactions, e.g., for solar water splitting**. The successful candidate will spearhead the UB Solar Fuel Project and the group's research in organocatalysis. This work will connect to the virtual high-throughput screening, Big Data, and machine learning efforts pursued in the group (which is also part of the New York State Center of Excellence in Materials Informatics). Interactions with the other theory groups at UB are encouraged.

The successful candidate is expected to hold a Ph.D. in chemistry, physics, material science, chemical engineering, or a closely related discipline with a specialization in theory or modeling. **Candidates without significant experience in computational quantum chemistry or molecular modeling will not be considered. Project-related background and interests, i.e., in computational catalysis, coordination chemistry, or transition metal chemistry are highly desirable.** At least basic experience in scientific coding (e.g., in Python, C/C++, Fortran, Julia) is required. The successful candidate is expected to take on leadership responsibilities, show personal initiative, participate in graduate and undergraduate student mentoring, support collaborations with experimentalist partners, and fulfill project administration functions. Independence, creativity, and reliability are valued qualities, as are a positive attitude, motivation, team-work ability, and communication skills. Senior applicants with prior postdoctoral experience and an ambition to pursue a research career will be preferred. The initial appointment is for one year.

Suitable candidates interested in this position are encouraged to apply by submitting (in one pdf document) a short personal statement explaining their scientific interests and a detailed CV including the contact information of at least three references. This application, or questions about the position, should be sent by email to Johannes Hachmann at (hachmann@buffalo.edu). Alternatively, the following link to UBJobs can be used: www.ubjobs.buffalo.edu/applicants/Central?quickFind=57353
Recruitment will continue until the position is filled.

Contact:

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For more information about UB and life in Buffalo, see:

<http://hachmannlab.cbe.buffalo.edu/index.php/team/why-to-come-to-buffalo>