

Postdoctoral Fellowship - Theoretical and Computational Chemistry

Description

NYU Shanghai welcomes applications for postdoctoral fellowships under the advisement of Prof. Xiang Sun. Selected postdocs will conduct research in developing computational methods for chemical dynamics in condensed phase and simulation of nonlinear spectroscopies. Specifically, force fields will be developed for light-harvesting systems in condensed phase, which would enable classical molecular dynamics, mixed quantum-classical dynamics, and semi-classical simulations of such systems in liquid solutions and interfaces. Novel quantum dynamical methods will be applied to nonlinear spectroscopies. More details can be found at <https://wp.nyu.edu/xiangsun>.

Research at NYU Shanghai is supported by the Center for Computational Chemistry, a research institute operated jointly by NYU, NYU Shanghai, and East China Normal University (ECNU). The center has a core group of faculty members who are conducting frontier research in various fields of computational chemistry, biology, and material sciences. More details can be found at <https://research.shanghai.nyu.edu/chemistry>.

Qualifications

- Ph.D. in chemistry, physics, or related fields.
 - Experience with developing molecular dynamics and quantum chemistry codes.
 - Experience with force field development and excited-state electronic structure.
 - Programming experience in C/C++, Fortran, Python, and UNIX/Linux Bash.
 - Fluency in English.
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Application Instructions

Fellowship can begin as early as Fall 2018, and a later starting date in some cases are also possible. The position term is for one year initially with possibility of extension.

Salary and benefits will be comparable to global standards and the fellow may also be eligible for small travel grants. Interested applicants should prepare a **cover letter** with a brief description of research accomplishments and interests, **curriculum vitae** with a list of publications, and **contact information for three references**. Please send these directly by email to Prof. Xiang Sun at xiang.sun@nyu.edu.

Please visit our website at <http://shanghai.nyu.edu/about/work/fellowships> for instructions and other information on how to apply. Reviewing candidates will begin immediately, and we will continue to review applications until the position is filled. If you have any questions, please e-mail xiang.sun@nyu.edu.

About NYU Shanghai

NYU Shanghai is the third degree-granting campus within New York University's global network. It is the first higher education joint venture in China authorized to grant degrees that are accredited in the U.S. as well as in China. All teaching is conducted in English. A research university with liberal arts and science at its core, it resides in one of the world's great cities with a vibrant intellectual community. NYU Shanghai recruits scholars of the highest caliber who are committed to NYU's global vision of transformative teaching and innovative research and who embody the global society in which we live.

NYU's global network includes degree-granting campuses in New York, Shanghai, and Abu Dhabi, complemented by eleven additional academic centers across five continents. Faculty and students circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

NYU Shanghai is an equal opportunity employer committed to equity, diversity and social inclusion. We strongly encourage applications from individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, and gender and sexual identity. NYU Shanghai affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach.

EOE/AA/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity Employer