Postdoctoral Fellow Position - Theoretical and Computational Chemistry

Applications are invited for a postdoctoral position in the group of Prof. William Glover at NYU Shanghai to be involved in developing multiphysics neural network potentials and polarizable embedding methodology to simulate photoinduced charge-transfer dynamics in multichromophoric systems. The specifics of the project are to achieve linear scaling in the integral-exact direct reaction field method, developed by our group in http://doi.org/10.1021/acs.jctc.3c01018. The methodology will be applied to address the role of low-lying charge-separated states in far-red light absorbing photosynthetic complexes. Much of the development utilizes Graphical Processing Unit (GPU)-based quantum chemistry code. More details can be found at wp.nyu.edu/glover.

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 theoretical/computational chemistry, biology, and materials science. More details can be found at research.shanghai.nyu.edu/chemistry.

Terms of employment at NYU Shanghai are comparable to NYU New York and other U.S. institutions.

Qualifications

Candidates should have the following qualifications:

- Ph.D. in Chemistry or Physics or related fields by the position start date
- Experience with molecular/quantum dynamics
- Experience developing electronic structure code
- Strong command of written and spoken English

The ideal candidate will also have expertise in one or more of the following: excited-state electronic structure methods, analytical gradient theory, non-adiabatic dynamics, neural-network potentials.

The position is available immediately subject to immigration regulations or upon agreement. The position term is for 12 months initially, with possibility of extension.

Application Instructions

To be considered, applicants should submit a cover letter with a brief description of research accomplishments and interests and a curriculum vitae with a list of publications. Additionally, applicants will be prompted to enter the names and

email addresses of at least two referees. Each referee will be contacted to upload a reference letter through Interfolio.

Applications will be reviewed until the position is filled. To apply, follow this link **http://apply.interfolio.com/146718**. Please also email william.glover@nyu.edu to confirm your application submission.

Please email the NYU Shanghai NY Office of Faculty Recruitment shanghai.faculty.recruitment@nyu.edu with any questions regarding the application process.

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, NYU Shanghai 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 twelve additional academic centers across the world. Faculty and students may circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr.

NYU Shanghai is an equal opportunity employer committed to equity, diversity, and social inclusion. We strongly encourage applications from under-represented individuals 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.