



## FLORIDA STATE UNIVERSITY

### **Multiple PhD and postdoc positions opens at Department of Chemistry and Biochemistry of Florida State Universities (Earliest starting date: 2022.09)**

Multiple PhD and postdoc positions are available starting as soon as Fall 2022 in the research group of Dr. Bin Ouyang at Florida State University. The position will be hosted by Department of Chemistry and Biochemistry, joint affiliation with the Data Science Program and National High Magnetic Field Laboratory will also be possible. The perspective research directions will cover the following topics:

1. Computational modeling and machine learning on energy materials, e.g., battery materials, solid state electrolytes and catalysis.
2. Predictive synthesis of inorganic solids, particularly multicomponent and high entropy materials.
3. Applied data science on materials informatics, including text/image mining, database development and machine learning algorithm development for autonomous materials discovery.

#### **About the PI**

Dr. Bin Ouyang has obtained PhD at McGill University (2014-2017), after that he was a postdoc at University of Illinois at Urbana-Champaign (2017) and University of California Berkeley (2018-2022). He has more than 45 publications including Nature Materials, Nature Communications, Chem, Advanced Energy Materials and Chemistry of Materials on topics related to computational chemistry, material informatics and energy related materials. More information can be found on <https://bin-ouyang.com/> or <https://www.chem.fsu.edu/person/dr-bin-ouyang/>.

#### **About Florida State University**

Florida State University is a world-class public institute that ranks 19<sup>th</sup> among all public universities, and 55<sup>th</sup> among all universities at United States. The University comprises 16 separate colleges and more than 110 centers, facilities, labs and institutes that offer more than 360 programs of study, including professional school programs. Florida State is home to Florida's only national laboratory, the National High Magnetic Field Laboratory, which is also the only national laboratory with high magnetic field at United States. It is also the birthplace of the commercially viable anti-cancer drug Taxol. Additionally, Florida State University is listed as one of the eight core university partners of Oak Ridge National Lab.

#### **About Department of Chemistry and Biochemistry**

The Department of Chemistry and Biochemistry at FSU is one of the oldest departments at Florida State University, which has been established since 1820s. It is also the home department of Nobel prize winner Prof. Harry Kroto, who discovers fullerenes. Among all the current faculty members in the department, more than 10 of them are fellows of NAS, AAAS, ACS, APS, MRS and RSC. It also hosts the director of National High Magnetic Field Laboratory. The strong research atmosphere here will be a great catalysis for great research ideas and collaborations.

#### **How to Apply.**

Interested candidates are encouraged to email Dr. Bin Ouyang ([fsu.chem.ouyang.hire@gmail.com](mailto:fsu.chem.ouyang.hire@gmail.com)) with a short introduction of your research interests, research experiences and other documents in your application package.