Institution: The Chinese University of Hong Kong

Department: Department of Chemistry

Location: Hong Kong, China

PI: Dr. Xinglong Zhang

Lab website: https://xinglong-zhang.github.io/

Biosketch: Dr. Zhang will join the Chinese University of Hong Kong as a tenure track assistant professor in the Department of Chemistry from Oct 2024. Dr. Zhang received his BA (2014) from the University of Cambridge. He obtained his MSc (2016) and DPhil (2019, under Prof. Robert S. Paton) from the University of Oxford, UK. After a brief postdoctoral stint at the California Institute of Technology (Caltech, under Prof. Thomas F. Miller, III), USA, he joined the Institute of High Performance Computing (IHPC), A*STAR, Singapore, as a research scientist in Oct, 2020. His research interests include computational catalysis in transition metal-catalyzed C–H functionalization and asymmetric organocatalysis. Dr. Zhang has extensive collaborations with experimental colleagues and to date, has published 27 peer-reviewed articles in top-tier journals including Nature Catalysis (1), Nature Chemistry (1), Nature Communications (1), JACS (5), Angew. Chem. Int. Ed. (6), Chem (2), Chemical Science (3) and ACS Catalysis (1).

Postdoctoral researcher openings

Opening: Postdoctoral researcher in Computational Chemistry/Machine Learning

Position Overview: The Zhang lab is seeking a highly motivated and talented postdoctoral researcher to join our team in **October 2024**. The successful candidate will contribute to exciting projects at the intersection of computational chemistry and machine learning.

Applicants should have (i) a PhD degree (or will be conferred one within 3 months of start date) in chemistry, physics, computer science, or related discipline; (ii) proficiency in programming languages such as Python; (iii) good communication and writing skills; and (iv)

the ability to work both independently as well as part of a team. A demonstrated research ability and experience in computational chemistry, molecular modelling, and/or machine learning techniques is preferred.

The successful candidate is expected to (a) conduct research as the main duty; (b) work closely with the PI; (c) publish research findings in high-impact journals; (d) co-supervise and mentor students at both undergraduate and graduate levels; and (e) collaborate and engage with colleagues in the department to integrate computational and experimental approaches in the study of chemical problems.

Salary will be commensurate with the applicant's qualifications and experience. Appointment will initially be made on contract basis for up to one year, renewable subject to performance and mutual agreement.

Salary: HKD$27,500 – 29,500 per month + other staff benefits. Outstanding applicants will be nominated to apply for the RGC Postdoctoral Fellowship Scheme.

How to Apply: Interested candidates should email xinglongzhang.work@gmail.com with your CV, statement of research interests and motivation, 3 representative publications and name and contact information of 3 referees to apply. Please write to the same email address for any inquiries.