

We are currently recruiting a postgraduate to work on a project funded by Innovate UK (AKT21) in collaboration with LCC (Liverpool ChiroChem).

The successful candidate will be responsible for the optimisation and scope expansion of a Rh-catalysed transamination reaction, a methodology recently developed in Prof. Xiao's labs, to synthesise substituted N-heterocycles with potential biological activity. The final compounds will be screened against an undisclosed biological target as part of an ongoing fragment to lead case study.

The placement will be held at the University of Liverpool.

The Xiao group has been active in homogeneous catalysis for a number of years, including in particular asymmetric hydrogenation and transfer hydrogenation. Their work has been published in more than 300 papers, patents and book chapters. For details, please visit: <https://www.liverpool.ac.uk/chemistry/staff/jianliang-xiao/>

LCC is an international, chemical technology innovator, on a mission to accelerate the discovery and development of high-quality drugs through expanding access to 3D chemical space. LCC has developed a suite of synthetic methodologies that have been used to produce thousands of novel, multifunctional, diverse, highly developable 3D fragments/synthons/BB's. LCC's chemical space is designed to support orthogonal hit-ID (via FBLD, VLS, DEL), as well as hit-optimisation with access to their Parallel Synthesis Lab, nearest neighbour analogues and a follow-on FTE service.

Location: University of Liverpool

Duration: 4 months, expected starting date in Jan 2023

Application deadline: 15th Oct 2022

For application and further information please contact: careers@liverpoolchirochem.com; jxiao@liverpool.ac.uk