



MOLECULES OF THE MONTH

From Bench to Market: Enantioenriched 2-Piperidines

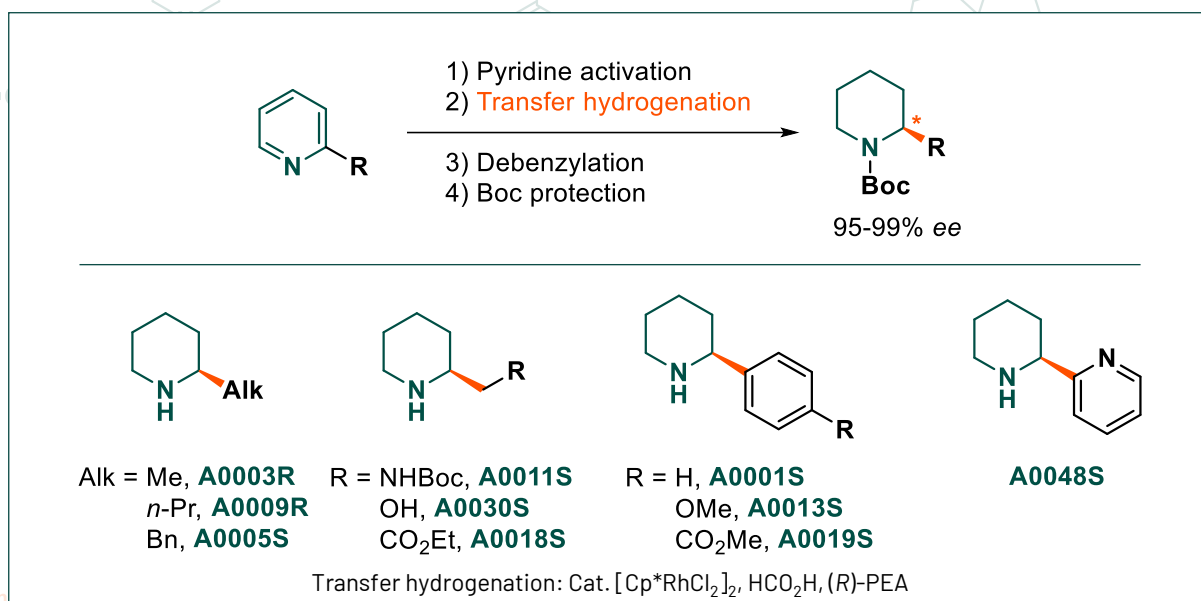
This month, LCC would like to acknowledge the incredible and outstanding contributions to catalysis, of **Prof. Jianliang Xiao**, who just received the **2020 Tilden Prize** from the RSC.



Ph. D. from Univ. of Alberta and Post-doc. at the Univ. of Western Ontario
 Researcher at the ERATO, directed by the Nobel Prize winner, Prof. R. Noyori [1994-1996]
 Principal Scientist and Lecturer at the Univ. of Liverpool [1996 - 2004]
 Professor of catalysis at the Univ. of Liverpool [since 2004]

*"When studying industrial heterogeneous catalysis in the 1980s,
 I realised I would need chemistry to better understand the subject."*

By focussing on the development of molecular metal catalysts, his goal is to contribute to greener and more economic organic synthesis. Prof. Xiao rapidly found real-life application as his patented enantioselective reduction of pyridines went from bench to market, with the creation of LCC in 2014. Using this methodology (WO 2015145143), LCC was then able to access and commercialise dozens of enantioenriched 2-piperidines, as can be seen below.



At LCC, Prof. Xiao is now an invaluable member of the Scientific Advisory Board, always excited about new science. His research opened the door and 6 years later, LCC provides variety of chiral *N*-heterocycles, with thousands of compounds in its catalogue. Should you require any further information, do not hesitate to get in touch with us at sales@liverpoolchirochem.com.