Project title: Enabling metalloenzyme biotransformations within a continuous oscillatory baffled reactor
Supervisor(s): Prof. Xiongwei Ni

Abstract (200 words max):
Prof. Ni has a PhD post opening in his group (www.cobra.hw.ac.uk), this is a BBSRC studentship joint with Oxford Biotrans with the title of the project as "Enabling metalloenzyme biotransformations within a continuous oscillatory baffled reactor". This is an pioneering project, the student will be based at Heriot-Watt University, Edinburgh, but will be spending his/her last three months at Oxford Biotrans in Oxford. The scientific objectives are to investigate the effects of operational parameters on the kinetics and conversion of the biotransformation, while the technological goal is to produce a high valued chemical continuously in a large quantity in a reliable, robust, control and predictable manner, whatever coming out of this project would be setting up the industrial standard for manufacturing this and similar types of bioproducts, so it is a high relevant chemical engineering project that you can see from the start to the finish.

Requirement (Optional; 100 words max):
(e.g. BEng in Mech Eng with average higher than XX%; Previous experience in XX)
The starting date is negotiable, but not later than 18th Jan 2018. In order to apply, you must have obtained a 2:1 or 1st MEng degree in Chemical or biochemical engineering.

Other info (Optional; 100 words max):
(e.g. Scholarship source; annual amount; length; how to apply. Leave this blank if not applicable)
For initial enquiry, email or call the supervisor. To apply online https://www.hw.ac.uk/study/apply/uk/postgraduate.htm

*Please contact the supervisor for informal enquiries.