4 Postdoctoral Research Fellows
Chariot: Creating High Value compact Products to Increase Total UK’s supply chain reach

School of Chemical Engineering, University of Birmingham

Starting salary in the range of £27,200 to £35,469 a year (potential progression on performance once in post to £37,651), dependant on experience.

Four Postdoctoral Research Fellow positions are available from April 2014 for a period of 36 months in the field of particle process development/optimisation within the School of Chemical Engineering, University of Birmingham.

Chariot is a P&G led consortium, involving 8 industrial and academic partners aiming at radical changes to the manufacturing process of particulate products to allow novel high value products to be produced in the UK and exported overseas whilst maintaining product quality. To achieve this requires innovation in a number of areas including designing new particle structure and processing routes to realise at industrial scale.

We seek candidates to understand the relationship between the material properties, process conditions (e.g. temperature, time, shear and pressure) and final product structure (e.g. porosity, solubility).

The ideal candidates will have completed, or be near completion of a Doctorate degree in Chemical Engineering or related subject area. Previous research experience in chemical engineering, chemistry or physical sciences is desirable; supervision of research students would be an advantage. The successful candidate should be able to demonstrate the ability to undertake an experimental programme as well as good communication and team working skills and the ability to write clearly and succinctly.

The successful candidates are expected to interact closely with the industrial and academic partners to provide regular research progress updates. The candidates will also assist in the project’s overall research direction and coordinate work with University of Leeds and P&G’S Newcastle Innovation Centre.

Applicants should complete an online application form, available from the website through the link shown below, where they should also provide an up-to-date CV, a cover letter, and the names of two scientific referees. Informal enquiries can be directed to Dr. Serafim Bakalis via email: s.bakalis@bham.ac.uk.