

## PhD student in crystallization technology

Marie Curie Fellow - 36 months period

UCB Pharma (Belgium) - University College Cork (Ireland)

### **Research Program**

Within the framework of a European Community FP7 consortium called PowTech, UCB Pharma is offering an Early Stage Researcher the opportunity to perform a PhD research program. The PowTech consortium, gathering 21 academic and industrial partners, integrates research in particle and powder technology to deliver high functionality products. The PhD work itself will focus on controlling crystal size and shape during crystallization of pharmaceutical ingredients from solution.

The researcher will be based in the main research centre of UCB Pharma in Braine-l'Alleud, close to Brussels. UCB Pharma is a leading biopharmaceutical company focusing on treatment of Central Nervous System and Immunology related severe diseases.

Within the Braine Research Centre, the researcher will focus on controlling the crystal growth of pharmaceutical ingredients from solution regarding size and shape. Different approaches are envisaged and will be evaluated on several criteria amongst which product properties and technological feasibility.

The research will be supervised both by UCB Pharma and the University College Cork (Ireland), in which university the student will also spend about 6 months of his research period and is able to obtain his PhD degree.

The fellowship runs in total for 36 months during which period the student will also be offered courses in the PowTech Graduate School organized by the partners within the consortium. The Graduate School will provide technological training on particle and powder science as well as soft skills training like communication and research commercialization.

### **Requirements**

Applicants must possess a master degree in Chemistry, Physics or Chemical Engineering and should be interested in the field of particle and crystallization technology. Knowledge of English language is a must.

### **Contract**

A full time UCB Pharma contract is offered for 36 months, including all accompanying benefits.

### **Information**

UCB Pharma Supervisor : Luc Aerts, [luc.aerts@ucb.com](mailto:luc.aerts@ucb.com)

University College Cork Supervisor : Prof. John Fitzpatrick, [j.fitzpatrick@ucc.ie](mailto:j.fitzpatrick@ucc.ie)

PowTech Project coordinator : Prof. Lilia Ahrné, [lilia.ahrne@sik.se](mailto:lilia.ahrne@sik.se)

Powtech website : [www.sik.se/powtech/](http://www.sik.se/powtech/)

Applicants should send their CV and a cover letter to Luc Aerts or John Fitzpatrick, and this before the 31<sup>st</sup> of July 2011. Contract is intended to run from September 2011 onwards.

