

Imperial College London

Marie Curie Early Stage Researcher in Bioprocess Design for Production of Biopolymers

Department of Chemical Engineering, Centre for Process Systems Engineering

Salary range: £28,000 - £35,000 per annum

Fixed Term appointment for a period of 36 months - 18 months with Imperial College London (UK) and 18 months with CERTH (GR)

Applications are invited to join a dynamic, multidisciplinary team committed to excellence working on a recently funded Marie Curie Initial Training Network research program entitled "Multi-scale computational modelling of Chemical/Biochemical Systems". The research program will be carried out in the Centre for Process Systems Engineering (within the Biological Systems Engineering Laboratory) in the UK and [Centre for Research and Technology Hellas \(CERTH\)](#) in Greece. The Centre for Process Systems Engineering has a worldwide reputation as the leading centre for process engineering and mathematical modelling.

Applications are invited for a three-year Marie Curie Early Stage Researcher Position in "Bioprocess Design for Production of Biopolymers" under the supervision of Professor Pistikopoulos, Professor Mantalaris and Professor Kiparissides.

The overall aim of this post is to investigate the cell culture dynamics in polymer-producing bacterial fermentation processes. The appointed researcher is expected to conduct high quality research towards this aim. The project builds on current work in the research groups of Professors Pistikopoulos, Mantalaris, and Kiparissidis. Following the 18 month appointment at Imperial College London, the appointed PhD student will then be expected to spend 18 months at CERTH (Thessaloniki, Greece).

The successful candidate should be motivated and independent. S(he) will have a Chemical Engineering or Biochemical Engineering degree (or equivalent) with an emphasis on mathematical modelling and microbial cell culture.

The successful applicant will be expected to enrol for and complete a PhD degree during the period of employment.

Benefits of this Marie Curie contract include mobility allowance, career development allowance and a travel allowance (for travel home and to meetings).

Eligibility Requirements as specified by Framework VII Marie Curie multi-beneficiary Initial Training Networks:

- To be eligible the successful applicant should be in the first years of their research career, and not in the possession of a PhD.
- Applicants should not be UK/Greek Nationals or if they are a UK/Greek National they must have resided outside the UK/Greece for at least 3 years out of the past 4.
- Applicants should not be UK/Greek residents for more than 12 months in the last 3 years.

Further information and the full terms and conditions regarding eligibility can be found at the link below:

ftp://ftp.cordis.europa.eu/pub/fp7/docs/fp7-mga-annex3intramulti-v2_en.pdf

If you would like to discuss the project, please contact Professor Efstratios N Pistikopoulos at e.pistikopoulos@imperial.ac.uk, Tel: +44 (0)20 7594 6620, or Dr Athanasios Mantalaris at a.mantalaris@imperial.ac.uk, Tel: +44 (0)20 7594 5601, postal address: Department of Chemical Engineering, Imperial College, London SW7 2AZ, UK.

How to apply:

Our preferred method of application is online via our website at:

<http://www3.imperial.ac.uk/employment> (please select “job search” then enter the job reference **EN20100313BD** into “keywords”). Please complete and upload an application form as directed.

Closing date: 25 October 2010

Committed to equality and valuing diversity. We are also an Athena Silver SWAN Award winner and a Stonewall Diversity Champion.