Postdoc in Computational Soft Matter

Flow and Dynamics of Soft Matter lab
Department of Chemical Engineering
Imperial College London
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We are looking for a postdoc in Computational Soft Matter to work on "Extreme deformation of structured fluids and interfaces", a project funded by a European Research Council Starting Grant. The aim of the research is to study the response to ultrafast deformation (10^3-10^6 Hz) of 2D suspensions and gels using mesoscale simulations, for direct comparison with measurements performed in our laboratory. The successful candidate will be embedded in a highly collaborative and multidisciplinary environment, working side-by-side with experimentalists in the laboratory led by Dr Valeria Garbin, and in collaboration with Prof Alberto Striolo (University College London) and Dr Lorenzo Botto (Queen Mary University of London).

The post is available immediately. Initial appointment is for 12 months, with the possibility of extension. The deadline for application is **31 October 2015** (midnight GMT).

Candidates will hold or be near completion of a PhD (or equivalent) in Physics, Chemical Engineering, Mechanical Engineering, or a related discipline. They will possess extensive experience in mesoscale simulations of soft matter systems (using BD, DPD, LB or other methods), preferably suspensions and rheology, as proven by innovative first-author publications in peer-reviewed journals. Candidates with a proven expertise in computational multiphase flow and an interest in soft matter are also invited to apply.

Informal enquiries may be made to Dr Valeria Garbin (v.garbin@imperial.ac.uk).

How to apply

Our preferred method of application is online via our website. Please go to https://goo.gl/pL1c3O and download a copy of the Application form, Job Description and Person Specification.

To apply, please upload:
- the completed **Application Form**, quoting **reference number EN20150312SA**,
- a cover letter explaining your motivation for applying for the post,
- your current CV,
- a brief summary of a maximum of 2 publications, highlighting your contribution.
Applicants are required to demonstrate that they possess the attributes detailed in the **Person Specification** document.