R&D: Marie Curie Post-Doc Research Fellows for EU funded project ISSFLOW

The Procter & Gamble (P&G) European Technical Centre in Strombeek-Bever (Belgium) is a key training centre for worldwide P&G technical staff and offers research training for the development of fundamental knowledge on biotechnology alternatives to basic chemicals in detergents. We are a pioneer in developing new technologies and innovations in consumer product categories that improve the health and well being of consumers worldwide, through the application of leading edge science and technology and a deep understanding of consumer needs.

Together with 4 European Research partners, each having leading edge mastery in their research area, we offer young researchers a research perspective at world-class scientific level in multidisciplinary and international teams to achieve a breakthrough in the area of complex fluids. Thanks to the European funded Programme Marie Curie Industry - Academia Partnerships and Pathways ISSFLOW we are currently seeking:

- *1 Post-doc Research Fellow (for 18 months) with a PhD degree in Synthetic Organic Chemistry*
  Experience in controlled release mechanisms from hydro and/or organogels is desired, especially related to pharma applications. More specifically, it is highly desirable that the fellow has experience with the synthesis/functionalization/ modification of building blocks for bio-based or biocompatible materials such as polysaccharides, peptides or related compounds. Thorough knowledge in the field of NMR analysis and/or expertise in the area of continuous manufacturing techniques (flow chemistry) and sustainable chemistry is a plus.
  Job location: KU Leuven, Belgium.

ISSFLOW aims at developing fundamental understanding of complex fluids to allow for the design of smart and functional gels and fluids via the development of novel rheology modifiers. A consortium of 5 partners (1 large industry, 1 SME and 3 academics) has been set up to exchange knowledge in the areas of rheology, sustainable synthesis and scale-up of novel molecules, modeling, characterization of complex fluids (including high viscous fluids and gels) via scattering, NMR and microscopy techniques, and production of finished products in a broad number of applications ranging from detergents and pharmaceuticals to restoration of paintings and lubricants. The overall generated knowledge will be integrated in an overarching model that will be able to predict the best rheology modifier for a specific application, taking into account final rheology properties required, performance, process and aesthetics, facilitating the launch of improved or new products to the market.
The fellows will develop novel, sustainable and cost-effective rheology modifiers and a deep mechanistic understanding on nano-, micro- and macro-structures of complex fluids. During the research, the fellows will develop multidisciplinary knowledge on rheology, complex fluids, physical and chemical characterization techniques, modelling, synthesis and manufacturing technologies.

Job Requirements
We need young talented individuals with a strong technical background in the different areas and a good knowledge of English. We also look for skills such as passion for winning, creativity, innovation, initiative, communication, leadership and the ability to work with others. The successful candidates must have excellent analytical and conception skills and a good command of English. Knowledge of Dutch, French, Spanish or Italian would be an asset, but is not necessarily required.

Job Responsibilities
During the fellowship you will:
- work on your own project as part of a European project team,
- have an opportunity to put your technical skills to work on intellectually challenging problems,
- improve your team working and soft skills through practical experience and interactive training courses,
- learn to work effectively with people of different nationalities and cultural backgrounds,
- experience the working environment at a technology leader, and

- gain guidance on your professional development

Participation rules
- The eligible researcher must have a PhD degree or 4 years of full time research equivalent.
- Applicants who have worked or studied for more than 12 months during the last three years in the country where the fellowship will take place, can NOT apply for that vacancy.

Starting Period:
The fellowship will be available from 1st April 2016 onwards, however there is certain flexibility with the starting date. All ISSFLOW partners have an equal opportunities policy with respect to race, gender, religion or disability. Women are encouraged to apply. Our organizations offer flexible working hours and help to find accommodation and childcare (childcare is available in the campus or nearby).

Application:
Please, go to http://pgcareers.com or http://we.experiencepg.com/ and apply to job number **RND00003089**.