ESPCI PARIS

Thèse : Assembling droplets with microfluidics to produce colloidal materials

https://wwwdev.espci.fr/fr/espci-paris-psl/emploi/archives/2015/these-assembling-droplets-with-microfluidics-to

Laboratoire d'accueil :

ESPCI, Laboratoire MMN, 10 rue Vauquelin 75005 PARIS

Sujet de thèse :

Assembling droplets with microfluidics to produce colloidal materials

Thématique de recherche :

The Pierre Gilles de Gennes Institute at ESPCI ParisTech invites applications for a postdoctoral fellow position beginning in September 2015 in the MMN Group. The Mission of the MMN Group is to study a wide variety of applications in Microfluidics. The activity of the group is based on a balance between investigating fundamental problems (such as interface dynamics, slippage phenomena, complex fluid flows) and performing studies dedicated to particular applications, in collaboration with industrial partners and colleagues from other fields often biology and chemistry -.

Compétences requises :

We seek outstanding postdoctoral applicants with expertise in microcrofluidics and/or physico-chemistry to join a project for the development of novel way to assemble photonic crystals. Applicants are expected to hold a Ph.D in Physics or Chemistry and have a proven record of high quality publications in microfluidics and/or surfactants and/or Polymers domain. Expertise in microfluidics is a must. Experience with physico-chemistry would be highly recommended. The candidate would contribute to the physics of droplet interaction, the role of the formulation. He would be involved in our effort to solidify, stick them together and assemble them to produce a material with interesting properties. Applications should contain a resume, cover letter describing research interests and goals, full list of publications, as well as the names and contact information of three references (expected to provide letters of recommendation).

Contact

Nom : Cécile ASSAILLY Mail : cecile.assailly@espci.fr Candidatures (lettre de motivation et CV) à transmettre par courrier électronique.

Accès

Métro ligne 7 (Place Monge/Censier Daubenton) RER B (Luxembourg) Bus 21, 27 & 47 3 stations Vélib proches

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