



POST DOC OFFER in GRAPHENE FUNCTIONALIZATION

We are seeking a postdoctoral candidate to carry out a collaborative research project between UCL and Solvay (Brussels). *Starting date: 1st February 2015.*

The successful applicant should hold a doctoral degree in Chemistry, Chemical Engineering, Bio-engineering or Experimental Physics. The PhD should not have been awarded more than 5 years ago.

The goal of the project is the modification of few-layers graphene powders to reduce their electrical resistance. It will involve graphene organic functionalization and metal nanoparticles decoration. Their properties will be assessed by conductive-AFM. This project should be carried out within 22 months.

The required skills for this project are:

Technical:

- general materials science
- nano-carbon functionalization
- solid characterization (XPS, Raman, TGA...) and evaluation in applications
- an experience in (preferably conductive) AFM would be highly appreciated

Non technical:

- excellent communication skills (both oral and written)
- strong team player
- able to work in a multidisciplinary environment
- adaptability and efficiency

Interested applicants should send a detailed CV (with marks for each year of study and full list of publications) together with a motivation letter to Sophie.Hermans@uclouvain.be.

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