

Post doc Fellow – 13 months

Nanoinformatics

HOST LABORATORY:

Mer, Molécules et Santé (MMS) EA 2160 – Université Catholique de l'Ouest, Angers

SUPERVISION:

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Nano-scale products are being produced faster than current toxicity screening can keep up with. In order to address the potential environmental impact of engineered nanomaterials (ENMs), numerous scientific studies have been conducted worldwide displaying databases and models describing effects and exposure of ENM. The H2020 project “NanoInformaTIX” (Development and Implementation of a Sustainable Modelling Platform for NanoInformatics) approach aims to integrate several relevant EU/US databases to create a comprehensive, sustainable, multi-scale modelling framework for exposure and (eco)-toxicity of Engineered Nanomaterials (ENM).

The MMS Lab at the Université Catholique de l'Ouest in Angers (France) has accumulated numerous data from different projects on environmental fate, (bio)transformation and (bio)distribution of NMs (metal, metal oxide, pristine and nano-enabled product) in different environmental compartments and ecotoxicity data towards aquatic organisms (benthic, filter feeders). These data were obtained both *in vivo* (microcosms/ mesocosms) and *in vitro*.

In this context, MMS-UCO is looking for a highly motivated and creative Postdoctoral Fellow to propose and develop mathematical models to evaluate ENM exposure of marine organisms.

Responsibilities of the postdoctoral fellow will

- primarily be focused on the data compilation and their integration in template and environmental databases;
- Identify relevant statistical tools for data analysis and modeling.

The post doc fellow will be expected to have a completed PhD in Mathematics/Informatics/Modelisation. A first experience using Biological data will be appreciated. English language proficiency is needed.

The post doc position will last 13 months at MMS-UCO (3 place André Leroy 49008 Angers).

APPLY NOW BY E-MAIL TO amelie.chatel@uco.fr and isabelle.metais@uco.fr