



Post-Doc Fellow
12 months (2017/2018)
2000 € tax free/month



NANOTOXICITY / NANOMEDICINE POSITION

Responsibilities and tasks

A postdoctoral fellowship is available in the **Nanosciences Department** of the ICB laboratory at the **University of Burgundy, Dijon (France)**. The candidate will be part of an interdisciplinary team and will work on several research projects on nanomedicine from nanoparticle engineering to biocompatibility and toxicity studies, from the state of the art to custom assays using *in vitro* and *in vivo* platforms.

We are seeking a candidate with expertise in at least two of the following areas in addition to basic nanotoxicology: (1) oxide nanoparticle synthesis and characterization; (2) functionalization of their surface with biomolecules; (3) protein corona of nanoparticles; (4) zebrafish model.

The successful candidate will (i) be responsible for performing experimental studies; (ii) collaborate with PI to write grant proposals and research papers; and (iii) participate in laboratory and student management.

Requirements

We are seeking a bright, highly motivated candidate with a PhD degree in nanoscience: chemistry, toxicology, biology, or closely related discipline.

A strong interest and experience in nanotoxicology is required: cell culture techniques and basic toxicological cellular assays (MTT, LDH, *etc.*), light microscopy and flow cytometry.

Basic knowledge on oxide nanoparticles synthesis and characterizations (TEM, DLS, zeta potential, TGA, UV-visible, XPS, IR and/or Raman spectroscopies) is required.

Other important requirements:

- ◆ Publications as first author in high quality peer-reviewed journals;
- ◆ Capacity to team up with other members of the research group, bringing and implement new ideas in a collaborative way while adapting to and learning from already existing projects;
- ◆ Willingness to quickly become autonomous;
- ◆ Rapid development of nanotoxicology assays with the zebrafish model.

Special conditions

This position is not open to candidates who have obtained their PhD at the University of Burgundy.

Contact

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