

**Doctoral fellows for an interdisciplinary research project
in UMR CNRS 8520, Institut d'Electronique, de Microélectronique et
de Nanotechnologie (IEMN), Villeneuve d'Ascq, France**

A three-years doctoral fellowship is available in the research lab of NanoBioInterface (NBI) team at IEMN. The candidate will be supervised by two research teams gathering chemists, cell and molecular biologist and physiologist. This project aims at investigating the role of a hepatocyte growth factor (HGF) mimetic using engineered nanoparticles in the pancreatic islet beta cells function and in mouse models of obesity and diabetes. The data will enable us to examine whether this c-MET agonist protect beta cells against death in diabetes condition and to figure out underlying signaling mechanisms. Multiple approaches including islet isolation, beta cell dispersion, peptide synthesis, global measurement of tyrosine- serine/threonine kinases, western blotting and gene expression will be applied to achieve the goals. Appropriate training will be given in all the techniques described.

The candidate will maintain constructive working relations with the two interdisciplinary teams active in the studied collaborations, given the sensitivity of the main research topic.

The project awarded by I-SITE ULNE (<http://www.isite-ulne.fr/index.php/fr/app/>) and entitled '*Effect of a novel MET agonist for combating beta cell decline in type 2 diabetes*', will run from October 2019 and is part of a growing portfolio of diabetes research at the Lille University.

We are looking for a candidate who:

- is curious and has a keen interest in diabetes to complement and broaden existing expertise.
- will work closely with other researchers at the University and Pasteur Institute.

Candidates are required to have a training in the field of molecular and cell biology. Experience on animal laboratory will be very much appreciated. The position provides an excellent opportunity to a highly motivated young researcher to work in a world-class competitive and supportive collaborative environment dedicated to metabolic diseases.

Please send a letter of application, a CV, and the names and e-mails of three references to: amar.abderrahmani@univ-lille.fr and jerome.vicogne@ibl.cnrs.fr