

Research Associate in Single Molecule Nanopore Biosensors
Faculty of Natural Sciences
Department of Chemistry, Imperial College London

South Kensington & White City Campus

Applications are invited for a Research Associate post in Single Molecule Nanopore Biosensors within the group of Professor Joshua Edel (<http://www3.imperial.ac.uk/edelgroup>) in collaboration with Dr. Alex Ivanov (<https://www.imperial.ac.uk/people/alex.ivanov>) in the Department of Chemistry at the South Kensington and White City Campus of Imperial College London.

The postholder will work on a project funded by the European Research Council (ERC), to develop nanofluidic devices for use as single molecule biosensors.

You must have a PhD (or equivalent) in Chemistry, Physics, Biochemistry or a related field. A strong background in single molecule methods is essential along with specific experience in at least one of the following areas: DNA biophysics, signal processing, field effect transistors, biosensing. Programming skills in lab view and Matlab for acquisition and data processing are advantageous.

You must have strong written communication skills and the ability to write scientifically, clearly and succinctly for publication. You must be able to deal with a wide range of people and to interact successfully with others to learn and teach new skills. The willingness to cooperate as part of a team and be open-minded and cooperative is a must have, and the ability to develop and apply new concepts, techniques and methods, have a creative approach to problem solving and the ability to work independently and show initiative is also essential. You must also have the ability to organise your own work, and prioritise in response to deadlines.

Scientific and informal queries can be directed to Professor Joshua Edel (Professor of Biosensing & Analytical Sciences) via email at joshua.edel@imperial.ac.uk or Dr Alex Ivanov at alex.ivanov@imperial.ac.uk.