

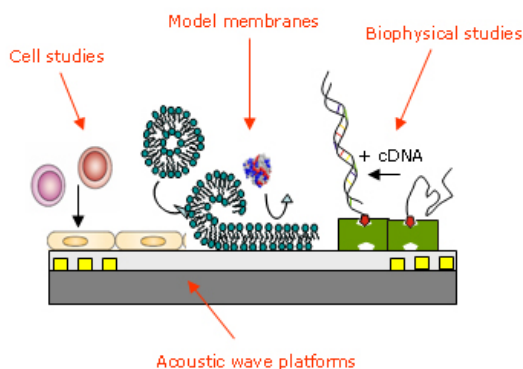


**FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS**  
INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

**1 Post-doc Position, Biosensors Lab**

**“Development of novel detection platforms for bacteria analysis”**

One post-doc position is available for a researcher to work on an EC-funded project focusing on the development of novel assays for diagnostic purposes exploiting acoustic wave sensors. The project is highly multidisciplinary and involves the use of nanoparticles for whole bacteria detection. More specifically, it comprises nanoparticles modified with DNA and antibodies for the capture and subsequent detection of whole bacteria on the surface of an acoustic wave device. The ultimate aim of this work is to create a generic pathogen detection platform for clinical diagnosis. Candidates should have interest and/or experience on the following areas: biophysics (biosensors), surface chemistry, nanotechnology (nanoparticles) and cell culture. Applicants with interest in both fundamental and applied research are encouraged to apply. The successful applicants will join a multidisciplinary European consortium and work in collaboration with 4 academic and 2 industrial partners.



The Biosensors group comprises researchers from different scientific backgrounds such as chemists, engineers, biophysicists and biologists. The focus of the group’s research is the development of novel bioanalytical/biophysical techniques using acoustic waves for the understanding of fundamental biological problems as well as the development of novel methods applied to molecular diagnostics and nano-biotechnology.

The position is available immediately for up to two years. Applicants should send a copy of their CV, a copy of their transcript, a brief motivation letter and the names of at least 2 referees to Prof. E. Gizeli ([gizeli@imbb.forth.gr](mailto:gizeli@imbb.forth.gr)).

For more information, please visit: <http://www.imbb.forth.gr/people/gizeli/index.html>