

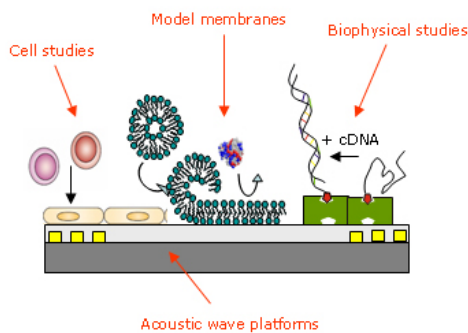


FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS
INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

1 PhD Position, Biosensors Lab

“Converging acoustic wave sensors with microtechnologies for clinical diagnostics”

A position is available for a PhD student to work on a project focusing on the development of diagnostic assays using acoustic biosensors and microtechnologies, such as the on-chip PCR. In the on-chip PCR, a reaction mixture is loaded on a microchip and is driven through microchannels different parts of which are constantly held at three different temperatures. This feature combined with the reduced thermal capacity of the chip leads to rapid thermal equilibrium of the PCR mixture allowing for fast thermocycling with low power consumption. The successful candidate will work on the application of the above technology for performing genetic detection of pathogen DNA in real samples. Candidates should have interest and/or experience on standard molecular biology techniques, bacteria cultures and micro/nano-technologies. Applicants with interest in both fundamental and applied research are encouraged to apply.



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 biology and bio-nanotechnology. For more information, please visit

<http://www.imbb.forth.gr/people/gizeli/index.html>

The position is available from February 1st 2014 for 3 years. Applicants should send a copy of their CV, a copy of their transcripts and a brief motivation letter and the names of at least 2 referees to Prof. E. Gizeli (gizeli@imbb.forth.gr).