



Two Researcher Positions (Postdoc or MSc Level), Biosensors Lab

4 February 2021

The Biosensors lab (<http://biosensorslab.biology.uoc.gr/>) is looking to employ **two researchers at a post-doc or MSc level** to work on the:

“Development of a portable platform employing an acoustic wave device for the detection of biomarkers outside a lab-environment; the work will involve the re-design of an already 3D-printed prototype in order to improve the acoustic detection electronics, fluidics and smart-phone app employed for detection.”

The work will be performed as part of two EU and three national projects currently under progress, with emphasis on the detection of biomarkers for healthcare applications and environmental monitoring. The former concern the development of a portable platform for the detection of SARS-CoV-2 Abs in blood at the point of care (in collaboration with the Un. Hospital at Heraklion). The latter concern under-sea water surveillance and real-time monitoring of genetic biomarkers in collaboration with the National Oceanography Centre in Southampton and plant-pathogens detection in the field in collaboration with Italian CNR partner.

Qualifications. Applicants should have an engineering or relevant 1st degree and a PhD or MSc in a similar area. Expertise on the following will be considered an advantage: design/manufacturing of instrumentation for radio frequency operation (acoustic wave devices); design/manufacturing of other biosensing-platforms; (micro)fluidics; 3D-printing; code developing for smart phone app.

About the Lab. Biosensors lab is a multi-disciplinary environment with group members working in a wide range of areas: acoustic biophysics, molecular biology, surface chemistry, engineering, technology transfer and commercial exploitation of results.

Job description. The successful applicant will be expected to work on a full-time basis and collaborate with biologists, chemists, bio-physicists and nano-technologists in academia and industry. Participation in meetings and collaboration with European partners as well as active engagement in the management of the project are mandatory, together with excellent knowledge of English.

Innovation-driven research. The lab has a longstanding tradition in developing innovative solution for healthcare applications and agro/food safety. Previous results and relevant IP are now exploited by two SMEs, one of which (<https://biopix-t.com/>) is ready to bring a product in the market in April 2021. As a result, candidates with interest in innovation and technology transfer are strongly encouraged to apply.

Envisaged starting date & duration: Start date within the next 4 months; contract initially for 1 year, with the possibility for extension for 2 more years.

Salary. Competitive based on qualifications and expertise

Applicants interested in the above positions should send a CV and brief statement of interest to Prof. Gizeli (gizeli@imbb.forth.gr).



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