

INBB, the National Institute of Biostructures and Biosystems, is looking to strengthen its team in the laboratory at the Department of Chemistry at the University of Catania (Prof. Giuseppe Spoto), with the immediate appointment of a Junior Scientist (m/f) for Health H2020 Project ULTRAPLACAD. In the framework of the H2020-funded ULTRAPLACAD project, INBB aims at the development of a novel robust in vitro diagnostic system for early cancer diagnosis, prognosis, patient follow-up and therapy efficacy assessment based on molecular analysis of peripheral blood.

INBB offers a 12 months postdoctoral position in order to support the research in nanoparticle-enhanced surface plasmon resonance imaging (SPRI) for detection of nucleic acid sequences related to cancer diagnosis and prognosis.

In particular, the Junior Scientist will be responsible for the design of procedures for the functionalization of gold nanoparticles and for the preparation, characterization, and use of the functionalized nanoparticles in SPRI detection.

In collaboration with other team members, the Junior Scientist will pursue its application for detection of DNA point mutations and microRNA relevant to colon cancer diagnostics.

Qualifications:

PhD in Chemistry or related matters.

Previous experience with synthesis and functionalization of gold nanoparticles

Previous experience with SPR, in the area of nucleic acids and their detection and with biosensors is advantageous

Good social and organizational skills in order to independently carry on research and support PhD and Master students

Fluent oral and written communications skills in English

Enthusiasm for scientific experimental activities and for team working

Salary:

The annual gross salary is EUR 22.896,00 per year.

Work Place:

INBB Research Unit at Department of Chemistry

University of Catania

Viale Andrea Doria 6

Catania , Italy

Starting date: within October 1st, 2015

Deadline for submission of applications: **August 25th, 2015**

We are pleased to invite interested persons who wish to be part of a project dedicated to contribute, through application of fundamental knowledge and combination of different scientific skills, to the improvement in the quality of life and efficacy of treatment for a large population of patients across Europe.

Please attach meaningful application documents, including certificates and photos, and a cover letter explaining the interest for the position and eligibility, indicating a Skype contact (or equivalent) for eventual interview.

Applications should be sent (by e-mail and fax) to:

Consorzio I.N.B.B. - Viale Medaglie d'Oro, n. 305 - 00136 Roma.

e-mail: inbbamm@inbb.it (send also a copy to gspoto@unict.it)

fax FAX 06/35451637

The post Junior Scientist (m/f) for Health H2020 Project ULTRAPLACAD will be posted in INBB site, and EURAXESS.