

INBB, the National Institute of Biostructures and Biosystems, is looking to strengthen its team in the INBB Unit at the Department of Chemistry at the University of Parma (Prof. Roberto Corradini), with the immediate appointment of a Junior Scientist (m/f) for Health H2020 Project "ULTRAsensitive PLAsmonic devices for early CAncer Diagnosis" 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 8 months position in order to support the research in the production of highly selective modified peptide nucleic acid (PNA) probes for detection of point mutation related to cancer diagnosis and prognosis. In particular, the Junior Scientist will be responsible for design of new PNA structures, for their preparation, characterization, and conjugation to surface matrices and nanostructured materials.

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:

Master degree (equivalent to the Italian Laurea Magistrale) in Chemistry, Material Sciences, or related matters.

PhD in Chemistry, Material Sciences, or related matters is advantageous

Previous experience with Organic Synthesis of complex molecules

Previous experience with peptide synthesis, surface chemistry, and bioconjugation is advantageous

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

Fluent oral and written communications skills in English

Enthusiasm for scientific experimental activities and for team working

Salary:

The monthly gross salary is EUR 1860.41.

The contract will be in the frame of National contract of Chemistry (2nd level Laboratory worker)

Work Place:

Department of Chemistry

University of Parma

Parco Area delle Scienze 17/A

Parma, Italy

Starting date: October 1, 2016

Deadline for submission of applications: **august 31 2016**

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) to:

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

e-mail: inbbamm@inbb.it (send also a copy to roberto.corradini@unipr.it)

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