

Entity: Vall d'Hebron Institut de Recerca (VHIR)

Research group, Unit or Department: Diagnostic Nanotools - CIBBIM Nanomedicine

Student's tutor: Eva Baldrich

Positions available: 2

Project description/ Research lines: One of the greatest challenges in global healthcare is the lack of adequate diagnostic tools for early disease detection and adequate treatment monitoring. Accordingly, the development of low-cost, rapid, sensitive and robust assays and sensors has been a priority for the healthcare sector and the research community. Our main goal is the exploitation of nanotechnology for the production of realistic diagnostic tools that could be effectively used at a diagnostics laboratory.

We are searching for highly motivated students aiming to participate in a multidisciplinary research line. Two positions are available:

Position 1: The student will collaborate in the development of an electrochemical biosensor for one-step detection of ictus biomarkers.

Position 2: The student will be involved in the evaluation of nanomaterials as signal amplifiers for detection of cancer biomarkers.

Period for the internship:

Requirements:

- Studies in Biomedical, Life sciences, Chemistry, Electrochemistry, Nanotechnology fields or similar.
 - Organized, dynamic and hard working profile, with multidisciplinary capacity.
 - Interest in diagnostics.
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Where to apply: Interested candidates please send a letter of intention, CV and academic records to eva.baldrich@vhir.org.
