Engineer 24 months (2022/2024)

nanoCassis: Synthesis of magnetic and plasmonic nanoparticles for pathology identification

Context

A 2-year engineer is available in the Department "Nanosciences" of the Laboratoire ICB at the University of Bourgogne Franche-Comté (Dijon, France) in collaboration with SON SAS, a start-up specialized in the design and manufacturing of magnetic nanoparticles. This position is open in the framework of the Economic Recovery Plan initiated by the French government "**France Relance**" (time: 80%in the start-up and 20% in the lab). The recruitment of engineer will aim to reinforce the development of SON SAS.

Responsibilities and tasks

The project will focus on the development of multifunctional nanomaterials for the simple and rapid identification of pathologies (cancer, Alzheimer, …). Multifunctional nanoparticles will be synthesized and characterized to optimize the identification of pathologies. During this 2-year position, the researcher will (i) perform experimental studies (synthesis and characterization of nanoparticles, …), (ii) biological studies (MTT studies, life cycle, …) (iii) Kilolab production (iv) collaborate with scientists in the Laboratoire ICB, (v) write publications in agreement with SON SAS.

The engineer position is available from October 2022. The candidate must send: a **cover letter**, a **detailed curriculum**, a **letter of recommendation** and at least **one contact.**

Qualifications

The ideal candidate will have a master in chemistry or in nanoscience and an expertise in the synthesis and characterization of nanomaterials and optical characterization.
An experience in most of the following analytical techniques is highly recommended: DLS, zetametry, TEM, N_2 physisorption, TGA, FTIR and elemental analysis.

Salary

1600 € net salary/month depending on your CV.

Contacts

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