DEVELOPMENT OF MOLECULARLY IMPRINTED ELECTROCHEMICAL SENSORS

1 Ph.D. position (three years, starting from October 2019) is currently available at the Department of Bioengineering, Compiègne University of Technology, France. The position is based in the group of Professor Karsten Haupt (http://www.utc.fr/~wmpi/). The research activities of this group mainly focus on the development of functional and biomimetic materials, and synthetic receptors, and their applications in the biomedical, environmental and food safety fields, and others.

Such PhD will be co-funded by French DGA (Direction Générale de l'Armement) and will deal with the design and synthesis of molecularly imprinted nanostructured polymers (MIPs) for integration onto electrochemical sensors and applications in the security field.

Expertise sought:

Applicants should be EU or Swiss citizens with a background in polymer or materials chemistry, with good skills in organic chemistry. An additional interest in analytical chemistry and in physicochemical and nanometric characterization techniques will be a plus. Applicants should have a good practice of English (French courses are offered on-site if needed). They should have gained before the starting date a master or engineer degree, or equivalent, entitling to embark on doctoral studies.

Benefits offered:

The Ph.D. position will offer an employment contract with full social benefits. The gross salary will be around 1850 €/month.

Contact:

Interested candidates should send their application letter, a CV, and the names of two referees, to:

Prof. Karsten Haupt + 33 3 44234455 karsten.haupt@utc.fr

Dr. Carlo Gonzato, + 33 3 44234405 carlo.gonzato@utc.fr