Tenure Track position (Professor level) at LG2A, Amiens, France

Laboratory strategy

Glycochemistry is a domain of organic chemistry involving specific synthetic and characterization methodologies. Based on complex and plural retrosynthetic schemes, glycochemistry and its numerous applications in glycobiology remain emergent compared to Proteomic and Genomic approaches. Our laboratory possesses the following skills: oligosaccharide synthesis, sulfur or nitrogen containing analogues synthesis, selective modification of mono-, oligo- and polysaccharides from biomass, modification of cyclodextrins, and the study of sugar-protein interactions and supramolecular self-assembly. The laboratory is also integrated in national and international networks related to glycosciences (GFG, EPNOE, etc…)

Summary of the Scientific Project

The scientific project will be based on the synthesis of new glycosidic analogues for chemobiology applications in a general way (*i.e.* sugar-protein interactions) and the development of corresponding analytical tools and methodology. The project must be based on biosourced platform molecules obtained by respecting the concepts of green/sustainable chemistry. Biological tests and interaction studies at the molecular level will be performed at LG2A or through external collaborations.

Summary of Teaching Project

The selected applicant will be in charge of organic chemistry courses in the Licence (Bachelor) in Chemistry and in the Master in Chemistry, specialized in « Chimie Durable-Organique » (Sustainable Organic Chemistry) and in « Analyse, Contrôle-Qualité » (Analysis, Quality Control) at the Université de Picardie Jules Verne (UPJV). He/she will participate in the different courses of organic synthesis, supramolecular chemistry, characterization techniques as NMR, chromatography and/or mass spectrometry. He/she will take part in the creation of new teaching modules in different levels (Bachelor, Master, PhD) related to the MAIA project (artificial intelligence) on synthetic and supramolecular chemistry aspects. He/she will be involved in the responsibility of a year and/or a specialization.

The position will be available starting from September 2023.

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