

 UNIVERSITÉ
CÔTE D'AZUR **Full Professor (He/She) in
(Bio)Organic Chemistry**

Job description

Teaching activities:

The candidate will teach in the Disciplinary Chemistry Department. The person recruited will be mainly involved in teaching (bio)organic and/or medicinal chemistry/chemobiology and/or bio-analytical chemistry in Bachelor in Chemistry and Biology and Masters courses in Chemistry. He or she will be part of the Department's organic and/or analytical chemistry teaching teams. If necessary, the person recruited will also be able to teach other chemistry courses in the Bachelor of Chemistry.

Research activities:

The successful candidate will join the Institut de Chimie de Nice and more specifically the Bioactive Molecules team. The team focuses its activities on the chemistry-biology interface, with themes in medicinal chemistry and chemobiology. Over the last few years, the team has established a strong Chemistry-Biology-Health axis, recognised both nationally and internationally. In the area of chemobiology, which is a UniCA and CNRS priority, the team would like to strengthen its activities in the development of molecular tools for probing and studying DNA and RNA nucleic acids. The person recruited will focus on designing new tools for understanding living mechanisms, identifying and validating new relevant biological targets or developing new molecules with biological activity.

In this context, in collaboration with biologists from UniCA, national and international laboratories, the successful professor will be part of the Bioactive Molecules team and will be responsible for, but not limited to: (i) strengthening and leading the chemobiology group, (ii) developing chemical tools to probe living organisms and identify and validate new biological targets, (iv) setting up tools for mechanistic characterisation, (v) and developing a network of local, national and international partnerships.

Required profile

The professor recruited will be a confirmed researcher in organic chemistry, and should be active in establishing interdisciplinary projects at the chemistry-biology interface involving national, European and international partners. As a member of the faculty of Université Côte d'Azur, the successful candidate will be expected to initiate and develop creative and funded research, and to contribute to a teaching programme at the forefront of multidisciplinary education. The professor recruited will also meet a need for training and qualification of students by the Department of Chemistry that must be anticipated now to enable chemists to meet future challenges. The candidate will be required to take on various responsibilities at the ICN and the University.

The position will be based at the Institut de Chimie de Nice (ICN) (<https://icn.univ-cotedazur.fr/>), UMR-CNRS 7272 within Université Côte d'Azur. Université Côte d'Azur has been awarded the major national label of "IDEX" initiative of excellence, which positions it among the 9 French "IDEX" universities with intensive research and strong international influence. Structured around innovative internal components with increased responsibilities for greater agility, Université Côte d'Azur backs all of its training and innovation missions with the excellence of its research. Its strong roots in the Côte d'Azur region make it one of the driving forces behind its growth model. As a founding member of the Ulysses European alliance, the holder of one of France's four Interdisciplinary Institutes for Artificial Intelligence (3IA), and with major partnerships with major national research players, Université Côte d'Azur aims to rank among Europe's top universities and consolidate its international dimension.

The ICN supports 4 research teams: the "Bioactive Molecules" (MB) team, the "Aromas - Fragrances -

Syntheses - Modelling" (APSM) team, the "Human and Environmental Radiochemistry" (RHE) team and the "Eco-Compatible Materials and Polymers" (MAPEC) team. The ICN also includes a Technology Platform, comprising three shared services (NMR, mass spectrometry and molecular modelling). The MB team is interested in the synthesis of molecules with antiviral or antitumour properties, as well as the biological tools (inhibitors, fluorescence probes, diagnostic tests, etc.) needed to study their activity in vitro. In addition, part of these activities is dedicated to marine sponge extracts, a natural source of secondary metabolites. The APSM team focuses on the development of new aroma and fragrance molecules and on the description of the modes of action that enable them to be perceived. The team is developing catalytic methodologies for the synthesis and biosynthesis of odorant molecules, extraction methods for natural products, analytical protocols and molecular modelling techniques to gain a better understanding of the mechanisms of olfaction. The RHE team is committed to studying the impact of nuclear activity on the environment and on humans. The team works particularly in the field of radiochemistry. It aims to understand the transfer mechanisms of radionuclides in the environment, define the chemical forms involved and understand their reactivity in a natural compartment. The ICN's MAPEC team is conducting research into the development of new bio-based polymers and composites derived from the use of plant biomass, industrial by-products and biorefineries. This theme is part of a sustainable development approach and the promotion of a circular and biosourced economy.

Application deadline: 29/03/2024 on national website

Starting date: 01/09/2024

Contacts :

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