



CNRS Tenure Track - Associate Professor position
NEW SYNTHETIC METHODOLOGIES IN GLYCOCHEMISTRY

Institut de Chimie Moléculaire et des Matériaux d'Orsay
Université Paris-Saclay - France

The CNRS will open a Tenure-Track position for recruitment in 2025 with the research profile "New synthetic methodologies in glycochemistry". The *Institut de Chimie Moléculaire et des Matériaux d'Orsay* (ICMMO), one of the four research unit selected by CNRS to host the Tenure-Track, is seeking candidates to develop innovative oligosaccharide syntheses in its new building on the campus of the world-class research-intensive Université Paris-Saclay (UPSaclay).

The CNRS Tenure Track program is a highly competitive recruitment call for candidates with significant research experience in an international academic and/or industrial environment and who do not currently hold an academic position in France. The candidates are expected to have the necessary expertise, experience and qualification to initiate high-quality innovative independent research that meets the criteria for major national and international project calls, such as Horizon Europe, European Research Council (ERC), French Research Agency (ANR). Applications are open to candidates that expect to attain senior CNRS scientist level within 3 to 6 years of appointment. The positions are offered on fixed-term contracts (CDD) under public law. There are no age nor nationality requirements. The Tenure Track contract provides dedicated funding (≈ 200 k€) and includes teaching activities (≈ 45 h/year). At the conclusion of the contractual appointment, subject to evaluation of scientific impact and professional aptitude by a tenure commission, the Tenure Track position is expected to evolve into a permanent CNRS Senior Researcher appointment.

The research profile "New synthetic methodologies in glycochemistry" is intended for candidates with the expertise needed to open new avenues in the synthesis of polysaccharides or glycoconjugates, whether simple or complex. Indeed, carbohydrate chemistry, or glycochemistry, must now tackle new aspects in order to be transformative for glycosciences. The rational design and improvement of glycosylation reactions, for example, must take into account the role of protecting groups, counterions and concentration during synthesis. New synthetic methods need to be applied to the synthesis of complex carbohydrates and glycans, in order to solve the persistent and tricky problems of stereoselective and regioselective synthesis using simple, high-yielding reactions. In this field, ICMMO is recognized nationally and internationally for more than 50 years, especially for the synthesis of complex oligosaccharides with applications in glycosciences, human health and crop-sciences. The timely CNRS tenure-track call aims to maintain this expertise at the highest level and pave the way for new advances in glycosciences.

The ICMMO research unit is affiliated to France's top-rated UPSaclay and to CNRS, France's largest national public sector research organization. With a total staff of nearly 300, it is one of the larger chemistry research units in France and the largest one of UPSaclay. ICMMO conducts the highest level of fundamental research in chemical sciences that benefit from its state-of-the-art Instrument Platform, including six NMR spectrometers (300 to 600 MHz) and two HRMS spectrometers, alongside cutting-edge or unique laboratory experimental facilities. As a university-based laboratory, ICMMO promotes training through research by hosting a large number of PhD and Master students. Technology transfer of scientific discoveries is supported by the university accompaniment structures whenever appropriate. In the 2024 Shanghai Academic Ranking, UPSaclay was 12th equal worldwide and 1st in France. In the area of chemistry, UPSaclay was in the 51-75 world ranking bracket, making it 6th equal in Europe and 2nd in France.

More details on the profile and application procedure will be announced in the coming weeks on the CNRS website. It is expected that applications must be submitted before June 2025, while preselected candidates should be auditioned at the end of June 2025.

For further details and expression of interest, candidates can contact:

- Prof. David Aitken (david.aitken@universite-paris-saclay.fr), the ICMMO Director.
- Prof. David Bonnaffé (david.bonnaffe@universite-paris-saclay.fr)

Some useful links:

- CNRS website:
<https://www.cnrs.fr/en>
- CNRS tenure-track campaign 2024:
<https://www.cnrs.fr/en/update/tenure-tracks-2024-recruitment-campaign-opens>
- CNRS job portal:
<https://emploi.cnrs.fr/default.aspx>
- ICMMO:
<https://www.icmmo.universite-paris-saclay.fr/fr/>
- Université Paris-Saclay:
<https://www.universite-paris-saclay.fr/en>

