

Post-Doctoral position in Medicinal Chemistry- ICSN CNRS

A post-doctoral contract is proposed within the framework of a project dealing with the study of drug candidates modulating the action of molecular motors involved in cancer. The candidate will be in charge of the synthesis of molecular motor modulators for in vitro and structural studies within an interdisciplinary programme. This recruitment is part of a project financed by the Foundation for Medical Research in collaboration between the "design, synthesis and evaluation of molecules of therapeutic interest" team led by Catherine Guillou (ICSN/CNRS UPR2301) and the "structural motility" team led by Anne Houdusse (Institut Curie/CNRS UMR144).
<https://icsn.cnrs.fr/recherche/sncm/conception-synthese-et-evaluation-de-molecules-dinteret-therapeutique>.
<https://science.institut-curie.org/research/multiscale-physics-biology-chemistry/umr144-subcellular-structure-and-cellular-dynamics/team-houdusse/>

Activities

- Design, synthesis and characterization of new bioactive compounds
- Bibliography
- Purification and spectrometric analysis of synthesized compounds (NMR, Mass, HPLC, IR..)
- Writing of reports and regular oral presentations
- Analysis of results

Knowledge and skills required :

- Strong background in organic chemistry
- Strong motivation, a creative mind and an ability to integrate into a collaborative multidisciplinary collaborative project
- Ability to work effectively both independently and as part of a team
- Excellent oral and written communication skills
- Knowledge in medicinal chemistry, biological chemistry would be appreciated.
- Good level of scientific English (read, spoken and written)

Profile of the candidate :

- PhD student in organic synthesis, medicinal chemistry, chemical biology
- Good knowledge of classical synthetic chemistry techniques and spectroscopic analysis (NMR, mass, HPLC)
- Experience in multi-step synthesis
- Strong interest in the chemistry-biology interface

Work environment :

The project will be carried out at the CNRS, at the Institute of Natural Product Chemistry (UPR 2301) located in Gif-sur-Yvette, in the Natural Products and Medicinal Chemistry Department, and more specifically within the "Design, synthesis and evaluation of molecules of therapeutic interest" team led by Catherine Guillou, Research Director at the CNRS

Type and duration of contract : One-year fixed-term contract starting in September 2021

Applications :

Applicants are invited to submit a curriculum vitae, a letter of motivation and two recommendation letters as soon as possible.

Contact person: Dr. Catherine Guillou, catherine.guillou@cnrs.fr