



## Nucleic Acids Research – Openings for junior scientists or junior group leaders in the Loire Valley, Orléans-France

The Centre for Molecular Biophysics (CBM) of CNRS is seeking outstanding junior candidates to strengthen or establish new world-class research programs on **Nucleic Acids**.

CBM (~150 scientists and supporting staff) is an interdisciplinary research center with a strong component in nucleic acids research. Various aspects are investigated to unravel fundamental mechanisms of nucleic acid metabolism (DNA repair, RNA remodeling, RNP biogenesis) and to develop innovative strategies for nucleic acids-based therapeutics (non-viral gene therapy, mRNA-based vaccines and therapeutics). A strong focus is put on the development of smart chemical/physical methods for delivery of nucleic acids as nanomedicines. CBM teams use a combination of approaches, including biochemistry, biophysics, structural/molecular/cellular biology, and preclinical animal testing.

A broad range of large instrumentation is a significant characteristic of CBM. State of the art equipment in structural biology (600/700 MHz NMR, X-ray generator, cristallogenesis trial robot), high resolution mass spectrometry, optical spectroscopy and imaging, confocal and atomic force microscopy, flow cytometry, MRI, photoacoustic imaging, nanomedicine formulation (NanoAssemblr™ Ignite, Nano spray dryer B90 HP), etc., combined with L2 cell culture rooms and small animal facilities, all within the same center, makes CBM a unique place to address both fundamental and applied biological questions from an interdisciplinary point of view. Nearby facilities such as synchrotron SOLEIL or the national transgenic animal collection are also easily accessible.

CBM offers excellent working conditions in 6300 m<sup>2</sup> of recently constructed or renovated lab and office space. It is located on the CNRS Campus in Orleans, at the heart of the Loire valley, an area offering a superb quality of life. CBM teams benefit from a rich and diverse scientific environment from the CNRS campus, University of Orléans and local hospital and from its proximity (~1h drive) to research centers in Tours and Paris.

Recruitment of permanent staff at CNRS (the largest French research body) is a yearly nationwide contest of candidates, with the support of a CNRS laboratory. For the next recruitment campaign (early 2021), CBM seeks applicants who have obtained their PhD after 2011 and who meet criteria for junior “Chargé de Recherche” positions (<http://www.dgdr.cnrs.fr/drhchercheurs/concoursch/informer/default-en.htm>). Candidates should also manifest clear potential to secure national and international external funding. Several competitive funding schemes are open to outstanding junior scientists and may provide temporary alternatives to permanent CNRS positions.

Successful candidates will be offered to join an existing CBM group or to create a new group, depending on their research proposal and record of accomplishment. The offer will include laboratory and office space, access to onsite core facilities and equipment, and priority applications for PhD fellowships and other sources of local funding.

Applications should include a full CV and contact details of three referees, a brief description of achievements, records of previous and ongoing funding (when applicable), and a summary of the proposed research program. Applications should be sent to [cbmjjobs@cnrs-orleans.fr](mailto:cbmjjobs@cnrs-orleans.fr) **before 15<sup>th</sup> of June 2020**. Shortlisted candidates will be contacted in July 2020 for interviews and, if the Covid-19 situation allows it, to visit CBM in the fall.

<http://cbm.cnrs-orleans.fr/>

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