



Group leader position in cryo-electron microscopy

Centre de Biologie Structurale (CBS), Montpellier (France)

<http://www.cbs.cnrs.fr/index.php/en/>

The Centre de Biologie Structurale (CBS), in Montpellier, France, is offering a group leader position (CNRS "Chaire Junior") in cell structural biology for a specialist in cryo-electron microscopy, cryo-tomography and correlative approaches.

The CBS is a multidisciplinary CNRS–INSERM–University of Montpellier joint research institute conducting cutting-edge research in structural biology, biophysics and bioengineering in order to describe and understand the physico-chemical mechanisms underlying biological processes, from the molecular and cellular level to supramolecular assemblies.

The CBS includes 13 research teams and hosts a facility (affiliated to 3 national infrastructures: FBI, FRISBI and ChemBio France) gathering a combination of world-class structural biology and biophysics equipment including cryo-electron microscopy, NMR, crystallization, atomic force microscopy, advanced fluorescence microscopies, and bioinformatics facilities.

In cryo-electron microscopy, the laboratory harbors one FEG 200 JEOL microscope, equipped with in-column Omega energy filter, K3 Gatan camera and Serial EM program, and one cryo1400 Flash screening microscope (for more details, see <http://www.cbs.cnrs.fr/index.php/en/pibbs-em>). A cryo-focused ion beam scanning electron microscope will be available in 2024 in Montpellier. Importantly, the newly recruited researcher will benefit of state-of-the-art super resolution optical microscopies facilities, expertise from CBS teams to develop CLEM, as well as cell biology and biochemistry facilities that include all the necessary equipment for protein production (in bacteria, eukaryotic cells or *in vitro*) and purification.

This recruitment is made in the context of a tenure track position program named "Chaire Junior", supported by the CNRS. The contract is for a 5 years period and comes with a starting package of 575 k€. The gross annual salary is between 54600 to 57800 €, depending on professional experience. For more details, see <https://emploi.cnrs.fr/Offres/CPJ/CPJ-2022-008/Default.aspx?Lang=EN> where the template for application can be downloaded.

For more information about the scientific environment and the recruitment process, please contact the CBS director, Pierre Emmanuel Milhiet (pem@cbs.cnrs.fr). Applications should be sent to him via email including CV, list of publications, names of 3 referees and motivation letter.

Requirements

- At least a PhD and 3-5 years of postdoctoral experience in biological electron microscopy
- Excellent publication track-record
- Experienced in conventional sample preparation for TEM and/or SEM
- Interest in light microscopy to support correlative microscopy
- Knowledge of image processing software
- Knowledge of volume microscopy (FIB-SEM, serial block-face SEM) is an additional advantage.



Inserm

Institut national
de la santé et de la recherche médicale