



CNRS UPMC
Station Biologique
Roscoff

UPMC
SORBONNE UNIVERSITÉS



UMR8227 Laboratory for Integrative Biology of Marine Models LBI2M

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Open Position

NAME OF LABORATORY: Laboratory for Integrative Biology of Marine Models, UMR8227, Station Biologique de Roscoff

DIRECTOR: Catherine Boyen

ADDRESS: Place George Teissier, 29688 Roscoff Cedex

RESEARCH INGENEER (IR CNRS) IN LIFE SCIENCE CNRS-UPMC UMR8227

Period: 2 years contract

MISSION: Manage and animate the service of protein crystallography at the Station Biologique de Roscoff. Conceive, organize and conduct the collection and treatment of crystallographic data in the aim of 3D structure determinations of (marine) biological macromolecules.

ACTIVITIES: Manage, as technical and administrative responsible (head of service), the human resources, as well as the technical and financial issues of the protein crystallography service at the Station Biologique de Roscoff. Organize the interaction with internal and external users of the service (lead discussions and work meetings, organize a user committee, etc). Solve structures and/or supervise users to solve structures by protein crystallography. Diffuse, develop and inform about results in form of reports, publications, or oral presentations, and dispense courses. Apply and assure the application of regular and safe work habits, following global security and ethical instructions. Manage the implementation of quality control procedures. Take part in the set up of and writing of scientific projects with the aim to obtain financial support. Assure maintenance of machines, update of crystallography-dedicated software, and organize synchrotron trips and sessions. Manage professional networking in close interaction with the ensemble of technical services at Station Biologique de Roscoff.

COMPETENCES:

- Robust competences in structural biology and protein crystallography in particular, good knowledge of biochemistry and molecular biology (cloning, heterologous expression, mainly in bacteria (E.coli), chromatography...)
- Be able to form and supervise others for the above mentioned competences
- speak french and english fluently
- Be rigourous and have a sense for organisation
- Be able to program and use standard laboratory robots, use and maintain a RX diffractometer
- Be able to interact with academic and industrial partners
- Be able to give advice for methods and approaches in structural biology and biochemistry

EXPERIENCES:

- Work experience in the field of structural biology and biochemistry

CONTEXT: Structural Biology has become today a major almost unavoidable method when treating the molecular aspects of biological functions of living organisms. With the objective to render the method of protein crystallography available to all, the Station Biologique de Roscoff (SBR) has invested in the installment of a service for protein crystallography since 2006. Once functionally installed in 2006/2007 the crystallography service has proven effective, mainly on an internal SBR basis, with about 20 to 30 projects of protein crystallization and structure determination treated per year, with a success rate of roughly 50%. Today the service intends to open even more and welcome potential users and scientists from 'le Grand Ouest' that wish to use methods in structural biology. In this context, the service is preparing to join the network of platforms and services 'BioGenOuest' from 2018 on. This will most probably increase the flux of structural biology projects to be treated in near future. Consequently, the service of protein crystallography intends to reinforce and stabilize the personnel working within the service by seeking to recruit a research engineer (IR) to take over the responsibility of managing the service. The team affected to the service would then be composed of 3 persons: the head of service to be recruited (IR), one assistant engineer (AI CNRS), who manages the protein crystallization part and the scientific advisor, who is CNRS director of research (DR).

Contact : czjzek@sb-roscoff.fr ; boyen@sb-roscoff.fr

Documents to candidate: Please send a complete CV and a letter of motivation before the 8th of December 2017