

Meeting for the future users of of the neutron bio-crystallography station of the European Spallation Source

23-24 March 2015

Institut de Biologie Structurale
71 Avenue des Martyrs, 38044 Grenoble, France

A new facility for the use of neutrons began its construction in Lund, Sweden. This source, the European Spallation Source (ESS), will have among others a diffractometer for crystallography of biological macromolecules (NMX diffractometer), whose commissioning is planned around 2023. The expected neutron flux and reduced beam size should allow a real revival of neutron crystallography, raising much of the current limitations, particularly in terms of crystal size and available beam time.

France participates in the ESS project, and as such contributes to the construction of the source and experimental equipment. It could directly contribute to the construction of NMX, in agreement with the expression by the national community of scientific interest. This meeting is dedicated:

- To present this future equipment and the opportunities it will provide to the French community of crystallographers of biological macromolecules;
- To present the choices related tot the experimental setup, and therefore to gather opinions to refine these choices;
- To identify needs, to help guide budget decisions.

We propose to organize this meeting over two days, on 23 and 24 March at the Institute of Structural Biology in Grenoble. An introduction to the future NMX station, the program will include presentations of results obtained with neutrons, or on the methodology and instrumentation for neutron crystallography, followed by round tables. It will also be asked each of the participants a short presentation (1-2 slides) describing their interest in structural biology.

To register for this meeting, thank you to visit the web site at
<http://workshops.ibs.fr/reunion-nmx-ess>

Requests for presentations will be reviewed by a scientific committee of the IBS, iRTSV, ILL and LLB. For further questions, you can contact me on

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Co-organisation



Colloque soutenu par

