



# Partnerships



## FaME38 - Facility for Materials Engineering

The Institut Laue Langevin (ILL) and the European Synchrotron Radiation Facility (ESRF) are respectively the leading European centres for research using neutron and synchrotron X-ray beams. They share a joint site in Grenoble, and provide advanced research facilities for users from European universities, research institutes and industries.

The Facility for Materials Engineering (**FaME38**) - set up jointly by ILL/ESRF - provides the extra support required to enable European materials engineers to make the best use of neutron and X-ray beam facilities. The basic philosophy of FaME38 is that ILL and ESRF are very well equipped to support the broad range of science for which they were founded but up to now have not been similarly resourced to provide the extra and specialised support that is required by engineers to perform engineering research. FaME38 will provide engineering users with a fully equipped 'Technical Centre' and its 'Knowledge and Training Centre' will provide technical and scientific know-how.

All academic and industrial engineers with interests in diffraction techniques are invited to contact FaME38 at [FaME38@ill.fr](mailto:FaME38@ill.fr) or to visit the web site ([www.ill.fr/FaME38](http://www.ill.fr/FaME38)).

## Partnership for Structural Biology (PSB)

The PSB is a unique integrated programme and resource pool in structural genomics and proteomics. It includes the ILL, the world's leading neutron source, the ESRF, Europe's foremost synchrotron X-ray source, the Grenoble Outstation of the European Molecular Biology Laboratory, and the IBS, one of France's premier structural biology institutes. The four partners bring together their expertise in state-of-the-art structural and molecular biology in order to tackle fundamental research problems related to human health.

The PSB project is almost complete. "Everything is set", said Stephen Cusack, director of the EMBL Grenoble outstation. Indeed, the ESRF and ILL Councils late in 2003 gave the green light for the construction and equipment budget for a new laboratory complex located next to EMBL premises on the international site in Grenoble. The building will have 1800 m<sup>2</sup> of usable surface area. Its construction started in June 2004 and it will be user-ready for the beginning of September 2005. The laboratory complex will also host the IVMS, the molecular virology institute of the Université Joseph Fourier, Grenoble.

In the context of the PSB, the ESRF has constructed a new, state-of-the-art, X-ray beamline, some of which is already operational, and the ILL has set up a unique laboratory for the deuteration of proteins, which is already available to user groups. The Partnership will also include high-throughput protein expression and crystallisation facilities as well as facilities for protein characterisation.

