

Abstract of research visit

EMBO Practical Course 2007: Structure Determination of Biological Macromolecules by Solution NMR

6.-13. July 2007, Basel, Switzerland

The EMBO Practical Course Structure Determination of Biological Macromolecules by Solution NMR is arranged every second year, and this time it was held in Basel, Switzerland. All the lectures and exercises were held in the Biozentrum and Pharmazentrum at the University of Basel. I had a privilege to be one of the 26 students chosen to the course among 116 applicants. All together, there were 17 lecturers presenting their research and delivering the latest information in the field. The course program consisted of lectures, exercises and a poster session. The leading scientists in the field of biomolecular NMR spectroscopy from both Europe and US gave inspiring lectures about their own research focus. The course fee, lodging and full board were covered by the European Molecular Biology Organization.

The daily program started at 9 am and lasted until 10 pm. Lectures covered the theory and the practical aspects of NMR data acquisition, usage of liquid crystalline material to extract residual dipolar coupling data, relaxation theory and protein dynamics, protein structure calculation and structure validation and also some interaction studies. Two to three exercises were given every day by the course lecturers. Spectrometer exercises gave good insight to modern NMR data acquisition methods. Computer exercises were about the data analysis programs, structure calculation programs and structure validation tools. A poster session was held in the first evening. I presented a poster titled Interaction Studies of ZASP-PDZ. The social program of the course included conference dinner and excursion. During the excursion we went trekking across the French border to an old castle.

EMBO Practical Course: Structure determination by NMR, Biozentrum Basel, July 6 -13, 2007



Hintere Reihe von l. n. r.: Güntert Peter, Grzesiek Stephan, Bardiaux Benjamin, Sattler Michael, Ikeya Teppei, Franzmann Magnus, Nilges Michael, Pauleta Sofia, Kuhn Lars, Ortega Rolda Jose Luis, Breukels Vincent, Hennig Janosch, Diehl Carl, Eustermann Sebastian, Mott Helen, Nietlispach Daniel, Blackledge Martin

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