

Abstract of research visit

EMBO Practical Course: Multidimensional NMR in Structural Biology
27. Aug-1. Sep 2006, Il Ciocco, Lucca, Italy

The EMBO Practical Course on Multidimensional NMR in Structural Biology is arranged every second year, and this time it was held in Tuscany, Italy. There were 46 students and 13 lecturers presenting their work and delivering the latest information in the research field. The course program included lectures, exercises and two poster sessions. 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 the dinner at 8 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, basics of solid state NMR, protein structure calculation and structure validation and also some interaction studies. Two hours of exercises were given every day and they were mainly theoretical calculations performed using pen and paper without any help from the high technology. The exercises were given by the course lecturers. Two poster sessions were held at the beginning of the course. I presented a poster titled Solution Structure of the 1st Immunoglobulin Domain of Myotilin. The social program of the course contained get-together party at the first evening, conference dinner and excursion. During the excursion we went trekking on the border of Tuscany and Emilia-Romagna. The track ran at the top of the mountains and the view over the valleys was amazing.

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