

International School of Structural Biology and Magnetic Resonance

6th Course: Structure, Dynamics and Function of Biological Macromolecules and Assemblies

School Director: O. Jardetzky

Course Directors: J. Puglisi & N. Pislewski

View from the Olaf Palme Hall at the new Domenico Institute, Ettore Majorana Centre for Scientific Culture

A NATO Advanced Study Institute
ERICE-SICILY: 10-22 JULY 2003

URL: <http://smrl.stanford.edu/erice2003/>

PURPOSE OF THE COURSE: The school will teach the principles of biomolecular structure determination by crystallography and NMR, and how dynamics measurements are made and computed on biological systems. The integration of other biophysical methods for the study of dynamics will also be stressed.

MODERN TECHNIQUES FOR THE STUDY OF STRUCTURE, DYNAMICS AND FUNCTION OF BIOLOGICAL MACROMOLECULES AND ASSEMBLIES: NMR Spectroscopy; X-ray Crystallography; Molecular Dynamics; Macromolecular Function & Design; Single-molecule fluorescence

LECTURERS:

A. ARSENIIEV, Russian Academy of Sciences; **W. EATON**, National Institute of Health, US; **A. FINKELSTEIN**, Russian Academy of Sciences, RU; **A. GRONENBORN**, National Institute of Health, US; **C.W. HILBERS**, University of Nijmegen, NL; **J. HOCH**, Rowland Institute at Harvard, US; **O. JARDETZKY**, Stanford University School of Medicine, US; **M. LEVITT**, Stanford University School of Medicine, US; **W.N. LIPSCOMB**, Harvard University, US; **D. MORAS**, Louis Pasteur University, FR; **N. PISLEWSKI**, Polish Academy of Sciences, PL; **J.D. PUGLISI**, Stanford University School of Medicine, US; **J. REBEK, JR.**, The Scripps Research Institute, US; **G.L. ROSSI**, University of Parma, IT; **K.V. SHAITAN**, Moscow State University, RU; **B. SYKES**, University of Alberta, Edmonton, CAN; **M. YUSOPOV**, Louis Pasteur University, FR.

Fee: \$1,200. Fee includes Board and Lodging to be arranged by the Ettore Majorana Centre. Limited financial aid may be available. Any aid requests must be indicated in the application.

DEADLINE FOR APPLICATIONS EXTENDED TO: 1 JUNE 2003
(no special application form is required)

To apply/additional information: Dr. Joseph D. Puglisi - Course Director, puglisi@stanford.edu
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