

International School of Biological Magnetic Resonance: 11<sup>th</sup> Course

## Frontiers of Biophysics and Structural Biology

School Directors: J. Puglisi and O. Jardetzky

Course Directors: J. Puglisi and E. Viani

View from the San Domenico Institute Ettore Majorana Centre for Scientific Culture

ERICE-SICILY: 11-21 June 2012

URL: <http://smrl.stanford.edu/erice2012/>

**ORGANIZING COMMITTEE:**

**Joseph D. Puglisi**, Stanford University; **Elisabetta Viani**, Stanford University;  
**Angela Gronenborn**, University of Pittsburgh; **Roman Efremov**, Russian Academy of Sciences

**PURPOSE OF THE COURSE:**

This course focuses on recent advances in molecular biophysics and structural biology, as applied to key problems in modern biomedical research. Lectures will cover the principles of structural biology (x-ray crystallography, NMR, computation) and biophysics (spectroscopy, kinetics, single-molecule studies), together with recent research results. The long format of the course encourages extensive discussion and long-term collaboration and friendship. Students and postdoctoral researchers from a wide range of backgrounds are encouraged to apply.

**LECTURERS:**

**D. ARDISSINO**, Università di Parma, IT; **A. BRUNGER**, Stanford University, US; **M. DELEPIERRE**, Institute Pasteur, Paris, FR; **R. EFREMOV**, Russian Academy of Sciences, RU; **M. EHRENBORG**, University of Uppsala, SE; **A. GRONENBORN**, University of Pittsburgh, US; **K. KIRKEGAARD**, Stanford University, US; **M. LEVITT**, Stanford University, US; **A. McPHERSON**, UC Irvine, US; **O. NUREKI**, The University of Tokyo, JP; **J.D. PUGLISI**, Stanford University, US; **S. QUAKE**, Stanford University, US; **P. SELENKO**, Institute of Molecular Pharmacology, GE; **P. SARNOW**, Stanford University, US; **E. VIANI**, Stanford University, US; **G. WAGNER**, Harvard University, US.

**ADDITIONAL INFORMATION & APPLICATION PROCEDURE:**

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**ONLINE REGISTRATION FORM:** <http://www.stanford.edu/~manolia/erice2012app.fb>

**FEE:** 1,000 Euro. Fee includes full board and lodging at the Ettore Majorana Centre.