



EUROPEAN  
SCIENCE  
FOUNDATION



## ESF Research Conferences

A Programme of the European Science Foundation

## ESF-COST High-Level Research Conference

### Inorganic Chemistry

### Metal-Nucleic Acid Interactions

Latsis Headquarters Pallas Athina • Athens • Greece • 12-17 November 2006

**Chair:** Jan Reedijk • Leiden University, NL

With support from



John S. Latsis  
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### Invited Speakers will include

**J. Barton** Caltech, Pasadena, US • **V. Brabec** Czech Academy of Sciences, CZ

**V. de Rose** University of Oregon, US • **S. Elmroth** University of Lund, SE

**M. Hannon** University of Birmingham, UK • **B. Lippert** University of Dortmund, DE

**Y. Lu** University of Urbana, US • **F. Mancin** University of Padova, IT • **G. Natile** University of Bari, IT

**B. Nordén** Chalmers University of Technology, Göteborg, SE

**P.J. Sadler** University of Edinburgh, School of Chemistry, UK • **M. Shionoya** University of Tokyo, JP

**E. Sletten** University of Bergen, NO • **R. Sigel** University of Zürich, CH

**J. Subirana** School of Industrial Engineering of Barcelona, ES • **C. Turro** Ohio State University, US

### Scope

The Conference will deal with several aspects of the interaction of Metal ions and Nucleic acids and their relevance for the treatment and diagnosis of diseases. The Inorganic Chemistry approach (i.e. the metal) will be a key central issue in all sub-topics; the half day-subtopics will include issues like:

- New drugs that bind at and distort DNA
- Methods to study M-DNA interactions
- Cell division controlled by metal ions
- Labeling of nucleic acids with metals
- Artificial, nanostructured materials built from DNA fragments and metals
- DNA and cation binding: can it act as a wire?

The conference will contain main lectures (45 minutes), short lectures (30 minutes) and selected short talks from submitted abstracts (15 minutes), in addition to posters (which will all be up during the complete meeting). Poster abstracts submitted will be allowing a one-minute-one-slide flash presentation at the opening day of the meeting.

**Application Form & Programme:** available from [www.esf.org/conferences/pc06018](http://www.esf.org/conferences/pc06018)

**Deadline for Applications:** 24 July 2006