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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
P. Carloni SISSA, Trieste, IT • **V. de Rose** Oregon Univ., US • **S. Elmroth** Lund Univ., SE
M. Hannon Birmingham Univ., UK • **A. Houlton** Newcastle Univ., UK
J. Kozelka Univ. Paris V, FR • **B. Lippert** Dortmund Univ., DE • **Y. Lu** Urbana Univ., US
F. Mancin Padova Univ., IT • **G. Natile** Bari Univ., IT
B. Nordén Chalmers Univ. of Technology, Göteborg, SE • **P.J. Sadler** Edinburgh Univ., UK
M. Shionoya Tokyo Univ., JP • **E. Sletten** Bergen Univ., NO • **R. Sigel** Zürich Univ., CH
W. Szczepanik Wrocław Univ., PL **J. Subirana** School of Industrial Eng. of Barcelona, ES
C. Turro Ohio State Univ., 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

Deadline for Applications: 24 July 2006