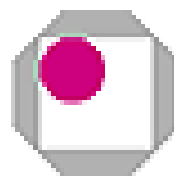




**University of Bologna
School of Pharmacy
Biotechnology Degree Program**



**Istituto
oncologico
romagnolo**

Istituto Oncologico Romagnolo

FIRST ANNOUNCEMENT

DNA TOPOLOGY IN THE GLOBAL REGULATION OF GENOME FUNCTIONS: BASIC STUDIES AND CLINICAL APPLICATIONS

1-4 June 2005 – Bertinoro, Bologna, Italy

SCIENTIFIC COMMITTEE

Dino Amadori, Mary-Ann Bjornsti, Piero Benedetti, Giorgio Cantelli-Forti, Giovanni Capranico, Alessandro Desideri, William C. Earnshaw, Giuseppe Giaccone, Ian Hickson, Lanfranco Masotti, Maurizio Marangolo, Andrew Travers

TOPICS

DNA length and chromatin organization impose topological constraints during nuclear processes. Current understanding of regulatory systems highlights multiple hierarchical levels coordinating DNA functions. The global control of transcription profiles, the stability of genomes and the tuning of recombination processes may be attained by DNA superhelical density. In eukaryotes, DNA topology and chromatin may have allowed the evolution of specific molecular mechanism to set the default state of DNA functions in response to signals in differentiated cells. These mechanisms also constitute an opportunity for intervention to find novel drugs or therapeutic strategies for human diseases.

The meeting will allow ample discussions among outstanding experienced scientists and young researchers with a broad spectrum of interests ranging from basic questions to clinical applications.

INVITED (accepted) SPEAKERS:

Piero Benedetti, Mary-Ann Bjornsti, Fritz Boege, Davide Calistri, Giorgio Camilloni, Giovanni Capranico, Alessandro Desideri, William C Earnshaw, Giuseppe Giaccone, Ian D Hickson, Robert Kaptein, Birgitta R. Knudsen, David Levens, Maurizio Marangolo, Christian Mielke, Valerio Orlando, Cora Stenberg, Fritz Thoma, Andrew A. Travers, Dale B. Wigley, Wainer Zoli, Gabriella Zupi.

ABSTRACT SUBMISSION DEADLINE WILL BE : APRIL 25TH, 2005

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