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molecular imaging

12-16 Sept. 2005

Organized

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Summer School

**by: MOLECULAR-IMAGING Integrated Project
DiMI Network of Excellence and EMIL Network of Excellence**

Objective

The objective of this summer school is to bring together experts in all aspects related to molecular imaging and offer them the possibility to establish common grounds and enough common background to enhance the interaction between the different disciplines involved. To that end, both participants and lecturers will cover the whole spectrum of disciplines involved in molecular imaging, i.e. those devoted to the development of novel imaging systems, those devoted to probe development and those that make use of molecular imaging approaches to answer specific questions in biology and medicine. This will be achieved through short lectures that will be addressed to a general and non-specialized audience in order to promote discussion related to how and in what manner could different problems in biology and medicine be addressed.

Topics

PRINCIPLES OF IMAGING:

Fluorescence, MRI, CT, Nuclear, Principles of Light Propagation, FRET, Photobleaching Approaches, and others

PROBE DESIGN: Clinical (radiotracers, magnetic probes) and Biological (fluorescent proteins, biosensors)

INTRODUCTION TO BIOLOGY:

Developmental Biology, Cellular Imaging, Molecular Imaging Applications in Biology and others

CLINICAL APPLICATIONS:

Gene therapy, drug development, optical methods in cancer

Participation

Early stage and experienced researchers of all disciplines are invited to participate.

Duration

The summer school will start on the **morning of Monday the 12th of September 2005 and will end in the evening of Friday the 16th**. We recommend participants to schedule their arrival for the 11th and departure for the 17th of September.

Location

The school will be held in Kolympari, Chania, Crete, where accommodation will be arranged for the nights of the 11th through the 16th of September.

Registration

Please register as soon as possible, since only a limited number of participants will be accepted. The deadline for registration is the **31st of May 2005**.

For more information please check:
<http://www.molimg.gr/mischool05.htm>
or email: info@molimg.gr

<http://www.emilnet.org>



<http://www.diagnostic-molecular-imaging.org>