



EUROPEAN COMMISSION
European Research Area



The MADEIRA consortium announces the

Third MADEIRA Training Course on IMAGING IN NUCLEAR MEDICINE

A four-day theoretical and practical course oriented to university students and young researchers with a strong interest in imaging techniques applied to nuclear medicine organised by

HelmholtzZentrum münchen

German Research Center for Environmental Health

in collaboration with

Lund University, Malmö University Hospital, Sweden

Institut Jožef Stefan, Slovenia

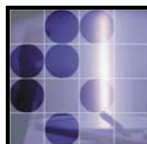
Consejo Superior de Investigaciones Científicas-IFIC, Valencia, Spain

Scivis wissenschaftliche Bildverarbeitung GmbH, Germany

Università degli Studi di Milano, Italy

University of Michigan, Michigan, USA

Department of Nuclear Medicine "rechts der Isar", TUM, Germany



Munich (Germany), 5-8 October 2010

FIRST ANNOUNCEMENT

AIM

The use of diagnostic procedures based on nuclear medical imaging such as PET, SPECT and combined PET/CT, SPECT/CT and PET/MR systems is gaining every day more and more importance.

The MADEIRA Project (Minimizing Activity and Dose with Enhanced Image quality by Radiopharmaceutical Administrations), cofunded by the European Commission within the FP7-EURATOM Programme, aims to reduce the exposure of the patients to radiation in nuclear medicine, through the improvement of the imaging process.

This Training Course on **Imaging in Nuclear Medicine** is the last in a series of three courses organized in the frame of the MADEIRA Project. The course, which is aimed to university students (graduate level) and young researchers with a strong interest in medical physics and imaging, will deal with fundamental aspects and current research trends. The lectures will be supported by practical exercises on image reconstruction techniques and by visits to the research laboratories of **Helmholtz Zentrum München** and of the Nuclear Medicine Department of the University Hospital **rechts der Isar**.

TOPICS

The physics of nuclear imaging
Nuclear imaging systems
New geometries in tomographic imaging
Noise reduction and image reconstruction
Strategies for image optimization and dose reduction

PRELIMINARY LIST OF SPEAKERS

T. Aspelmeier, SCIVIS GmbH
M.C. Cantone, Università degli Studi di Milano
H. de las Heras Gala, FDA
G. Ebel, SCIVIS GmbH
C. Hoeschen, Helmholtz Zentrum München
M. Klafren, Helmholtz Zentrum München
M. Mikuž, Institut Jožef Stefan
M. Rafecas, CSIC-IFIC
O. Tischenko, Helmholtz Zentrum München

REGISTRATION AND IMPORTANT DEADLINES

Online registration will start on April 1st on the website of the MADEIRA project: www.madeira-project.eu.

The number of participants is limited to 50. A restricted number of grants (covering fees and accommodation) will be made available. Details for grant application will be posted on the website.

Registration fees:

early bird registration: 120.- €

late registration: 150.- €

Fees include access to all lectures, learning material, coffee breaks, lunches, social event on Tuesday evening and three-day ticket for public transportation (for Tuesday, Wednesday and Thursday).

IMPORTANT DEADLINES

01.04.10: registration start

31.05.10: 2nd announcement

30.06.10: deadline for grant application

31.07.10: grants notification

15.08.10: deadline for early bird registration

5-8.10.10: Training Course

ACCOMODATION

Munich in October is always very busy, due to many trade exhibitions. A number of rooms has been reserved for the course participants at Etap Hotel München Garching. This hotel has a direct bus connection to the Helmholtz Zentrum München. The city center is easily reached with the underground (Line U6). Detailed information on the accommodation modalities and how to access to the course venue will be available in the website.

CONTACTS

Scientific secretariat: Dr. Augusto Giussani
augusto.giussani@helmholtz-muenchen.de

Technical secretariat: madeira-tc2010@helmholtz-muenchen.de

Website: www.madeira-project.eu