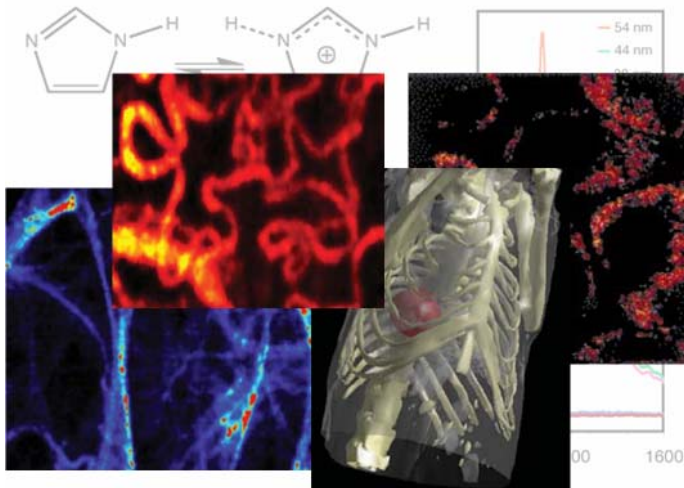


## Academic and Entrepreneurial Seminar

# “Molecular Optical Imaging in Cancer Diagnostics and Therapeutics: A Challenge for Academia-Industry Interaction”



Wednesday, September 26, 2007, 16:00-19:30

University of Cyprus Campus  
“Anastasios Leventis” Senate/Council Building  
Room B108

# **Molecular Optical Imaging in Cancer Diagnostics and Therapeutics:**

## **A Challenge for Academia-Industry Interaction**

Already, today's imaging technology is providing more and more detailed information which goes right down to the cellular and biochemical level. This information is of great value for early diagnosis and more accurate characterization of disease: organic or cellular malfunction can be detected even before the first anatomical changes occur. The molecular signature of a disease will provide knowledge on how to optimize treatment strategies, and will provide early indicators of the success of treatment. This knowledge of molecular pathology defines a new level of diagnostic imaging, aimed at the detection of the molecular processes *in vivo*. For this reason, these new diagnostic imaging techniques are referred to as '***Molecular Imaging***'

Europe has lost its major place as a global centre for biomedical research. European scientists, however, seek to reassert their historical leadership over medical advancements and are gearing up to close the Molecular Imaging gap with U.S. As research spending rises, pan-European initiatives designed to make the most of the continent's scientific talent and technical resources are moving towards implementation. Industrial translation remains a major challenge. In order for Cyprus to contribute to this joint effort, it has to face the challenge of fragmentation and provide directions through strategic planning.

The Academic-Enterpreneurial Seminar has two major objectives:

- To introduce the emerging field of *in vivo* Molecular Imaging and explore the potential for the advancement of the field in our greater region;
- To define the role Cyprus can play as an EU member state in public-private partnership and Academia-Industry interaction in order to achieve the required advancements in drug development process for the best benefit of European citizens

## Program

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- 16.00-16:30**            **Arrival** – Welcome drinks
- 16:30-16:45**            **Introduction – Opening Remarks**  
(A. D. Odysseos, EPOS-lasis/UCY)
- 16:45-17:00**            **Innovation Strategy for Biotechnology in  
Cyprus**  
(Marilia Panayiotou – Scientific Officer, RPF)
- 17:00-17:30**            **Molecular Optical Imaging – Shedding light  
on life’s important molecules** (C. Pitris, UCY- Dept. of Electrical  
and Computer Engineering)
- 17:30-18:00**            **Novel vitamin E -based molecular structures  
for targeted therapy in Inflammatory Bowel Disease and  
Colorectal Cancer** (A. Keramidas, UCY-Dept. of Chemistry)
- 18:00-18:45**            **Synthesis of Optical Molecular Probes for  
Inflammatory Bowel Disease and Colorectal Cancer:  
Challenges and Prospectives** (J. Hyatt, YASOO Health, Ltd /East  
Tennessee State University )
- 18:45-19:00**            **Questions -Discussion**
- 19:00-19:30**            **Reception**

Organized by

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