



**Mid-Term Workshop
ToK-Dev. Project (2005-2009)**

**Solid Phase Phospholipid and
Dendrimer Synthesis**

“SOPHOLIDES”



Monday, 3 December 2007

Institute of Organic and Pharmaceutical Chemistry
National Hellenic Research Foundation
48 Vassileos Constantinou Ave., 11635 Athens, Greece

Programme

9.30 Welcome and Opening Remarks

Chair: Dr Barry Steele

10.00-10.50 “Interfacing Combinatorial Chemistry with Microarrays”

Professor Mark Bradley

School of Chemistry, University of Edinburgh, UK

10.50-11.40 “Dendritic Supermolecules – From Nanomaterials to Nanobiology”

Professor David K. Smith

Department of Chemistry, University of York, UK

11.40-12.00 Coffee break

Chair: Dr George Heropoulos

12.00-12.50 “Microwave Effects in Organic Synthesis According to Medium and Mechanisms”

Professor André Loupy

Université Paris Sud, C.N.R.S., France

12.50-13.40 “Efficient, regioselective functionalisations of cyclodextrins carried out under power ultrasound or microwaves.”

Professor Giancarlo Cravotto

Dipartimento di Scienza e Tecnologia del Farmaco,
University of Turin, Italy

13.40-15.00 Lunch Break

Chair: Dr Maria Micha-Skrettas

15.00-15.50 "(Sono)Electro-Organic Synthesis of Functionalised Compounds"
Professor David Walton
Coventry University, UK

15.50-16.20 Coffee break

16.20-17.10 "Multifunctional Dendritic Drug Delivery Systems: Design,
Synthesis, Controlled and Triggered Release"
Dr C.M. Paleos, Director of Research
Institute of Physical Chemistry, NCSR "Demokritos", Athens, Greece

17.10-17.20 Closing remarks



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Tuesday, 4 December 2007

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10.00-11.00	Overall presentation of the project and research objectives <i>Dr Theodora Calogeropoulou</i>
11.00-12.00	Dendrimer synthesis in solution and dendrimer modified solid phase supports <i>Dr Claudine Patteux</i>
12.00-12.30	<i>Discussion/Coffee</i>
12.30-14.30	<i>Lunch</i>
14.30-15.30	Solution phase synthesis of a Polyether Dendron <i>Dr Thomas Olszewski</i>
15.30-16.00	<i>Discussion/Coffee</i>
16.00-17.00	Solid phase synthesis of phospholipid derivatives <i>Dr Amelie Blanrue</i>
17.00-17.30	<i>Discussion</i>
18.30	Dinner



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Wednesday, 5 December 2007

Institute of Organic and Pharmaceutical Chemistry
National Hellenic Research Foundation
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| 9.30-10.30 | Microwave-assisted synthesis of building blocks for dendrimeric materials
<i>Dr Frank Wiesbrock</i> |
| 10.30-11.00 | <i>Discussion</i> |
| 11.30-13.00 | Round table discussion of results, troubleshooting, future planning |