

## INTERREG IIIA: GREECE – ITALY

### PROJECT TITLE

*ESTABLISHMENT OF A MULTIDISCIPLINARY SCIENTIFIC NETWORK FOR  
THE DEVELOPMENT AND APPLICATION OF BIOMATERIALS*

### Friday 29<sup>th</sup>, June

09:00-09:10	<b>Welcome and Introduction</b>
09:10-10:00	<b>Opening Talk – Keynote lecture</b> "Biomaterials-Tissue Engineering-Medical Devices", Prof. Y. Missirlis, <i>University of Patras</i>
	<b>Session 1.1: Biomaterials Preparation and Production Methods</b>
10:00-10:45	Plasma Processes for Biomedical Applications: Part 1, Prof. R. d’ Agostino, <i>University of Bari</i>
10:45-11:00	Coffee break
11:00-11:45	Plasma Processes for Biomedical Applications: Part 2, Prof. P. Favia, <i>University of Bari</i>
11:45-12:30	Control and simulation of nanostructured biomaterials surface processing, Prof. D. Mataras and Dr. E. Amanatides, <i>University of Patras</i>
12:30-13:30	Lunch
	<b>Session 1.2: Biomaterials Characterization and Quality Control</b>
13:30-14:15 Cell	Culture Biological Test for Plasma Processed Surfaces, Dr R. Gristina and Dr M. Nardulli, <i>University of Bari</i>
14:15-15:00	Definition and control of biomaterials haemocompatibility, Prof. Y. Missirlis and G. Mixanetzis, <i>University of Patras</i>
15:00 – 15:15	Coffee break

**Session 1.3: Lab tour – Live experiments**

15:30-16:30

PTL Lab  
*Plasma treatment of polymers*



Short walk to

16:40-17:40

BEL Lab  
Dynamic bacterial adhesion experiments

17:40-18:30

Break - Rest

18:30-20:00

**Session 1.4: Poster Session**  
Poster Session, Get together, open discussion

21:30 - ....

Dinner

**Saturday 30<sup>th</sup>, June**

- 09:00-10:00                    **Opening Talk – Keynote lecture**  
"Molecular engineered materials for tissue scaffold and drug delivery".  
Prof. Paolo Netti, *University of Naples*
- Session 2.1: Drug Delivery**
- 10:00-10:40                    Colloidal systems in drug delivery: Technology and applications,  
Assoc. Prof. S. Antimisiaris, *University of Patras*
- 10:45-11:00                    Coffee break
- 11:00-11:30                    Physicochemical characterization of colloidal systems,  
Assist. Professor P. Klepetsanis, *University of Patras*
- 11:30-11:50                    Ceramics as drug delivery systems,  
Assist. Professor N. Bouropoulos, *University of Patras*
- Session 2.2: Surface-associated microbial life**
- 11:50-12:30                    Biofilm formation,  
Prof. E.D. Anastassiou, *University of Patras*
- 12:30-13:30                    Lunch
- 13:30-13:50                    Genes regulating biofilm formation,  
Prof. I. Spiliopoulou, *University of Patras*
- 13:50-14:10                    Real- Time Polymerase Chain Reaction as a tool for quantification of genes expression,  
V. Chini, PhD, *University of Patras*
- 14:10-14:30                    Quantifying genes' expression of *ica* operon on modified surfaces,  
A. Foka, PhD, *University of Patras*
- Session 2.3: Cardiovascular medicine**
- 14:30-15:00                    Invasive strategies in acute coronary syndrome  
Assist. Prof. Ioannis Chiliadakis, *University of Patras*
- 15:00-15:15                    Coffee break

**Session 2.4: Lab tour – Live experiments**

15:30-16:30

LBL Lab

A fast presentation/demonstration of liposome preparation and integrity testing techniques



Fast *Walk* to

16:40-17:40

Dept. Microbiology  
Biofilm formation

17:50-17:00

Remarks on the 1<sup>st</sup> school for “advanced biomaterials  
open discussion

17:00

End of 1<sup>st</sup> school for “advanced biomaterials”