

## Participants

Written by Administrator

Wednesday, 21 December 2011 14:39 - Last Updated Friday, 23 December 2011 12:53

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### [Department of Pharmacy](#)

- **Dr. Georgios A. Spyroulias**, Biomolecular NMR Spectroscopy, Protein production, labeling (uniform or selective/specific) & biophysical characterisation, Structural Biology, Biomolecular Simulations.
- **Dr. Konstantinos Poulas**, Protein production & characterisation, X-ray Crystallography, Molecular modelling and Bioinformatics.
- **Dr. George P. Patrinos**, Human genomics, pharmacogenomics, Bioinformatics and genetic databases.
- **Prof. Andreas Papapetropoulos**, Cellular Signalling, Protein-Protein Interactions, Cardiovascular Pharmacology, Inflammation, Pre-clinical drug screening & Development.
- **Dr. Stavros Topouzis**, Use of preclinical, cell-based (in vitro) and animal-based (in vivo) models, for the study of human fibroproliferative and inflammatory diseases.

### [Department of Medicine](#)

- **Nicholas Moschonas**, Protein production in bacteria and animal cells, gene expression and functional analysis of proteins, in vitro and cell-based assessment of protein-protein interactions.
- **Zoi Lygerou**, Functional imaging, protein analysis in human cells and yeast, systems biology.
- **Stavros Taraviras**, Generation and analysis of genetically modified mice, isolation and culturing of embryonic haematopoietic and neural stem/progenitor cells, biochemical characterisation of protein complexes, determination of gene and protein expression, live-cell imaging techniques.

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### Department of Chemistry

- **John Matsoukas**, Organic, Peptide synthesis and Characterization of Bioactive Molecules, Structure-Activity Relationship Studies.
- **Theodore Tselios**, Rational Design, Synthesis & Characterization of Bioactive Molecules, Biomolecular and Docking Simulations.
- **Alexios Vlamis-Gardikas**, Overexpression and purification of recombinant proteins, protein-protein interaction analysis, bacterial genetics, molecular biology, enzyme assays (especially those related to antioxidant enzymes).

### Department of Biology

- **Kostas Flytzanis**, Gene regulation in early embryonic development of the sea urchin *Paracentrotus lividus*, study of the transcription factors and SAR studies on nuclear receptors (e.g. COUP-TF; Chicken Ovalbumin Upstream Promoter–Transcription Factors).
- **Irene Margiolaki**, Method development and application of Crystallography & Structural Biology. Extensive knowledge of powder and single crystal diffraction, structure determination, model building, refinement, and skills in Small Angle X-ray Scattering, optical/electron microscopy etc.