

Chemistry Department – REQUIMTE

## In the forefront of science

REQUIMTE / BIOSCOPE Research Team  
<http://bioscopegroup.org>



## BIOSCOPE GROUP

### MEMBERS

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Dr. Mário Diniz

## Objectives

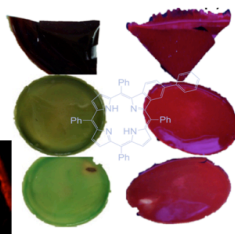
- **Analytical Proteomics & Biomedicine Division**
  - Nano-Proteomics; Biomarker Discovery; Quantitative Proteomics; Biological Mass Spectrometry
- **Environmental Toxicology Division**
  - Eco-Toxicoproteomics; Biomarker Discovery; Endocrine Disruption; Genotoxicity
- **Nanoparticles, Nanomaterials & Fluorescent Compounds Division**
  - Fluorescent Nanoparticles; Smart Emissive Polymers; Biomimetic Compounds; Cell and Tissue Fluorescent Dyes

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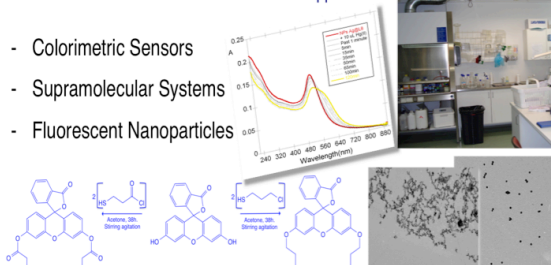
### Fluorescent Nanosensors for Imaging and Biomedical Applications

- Emissive Liquid Crystals
- Smart Emissive Polymers
- Cell and Tissue Fluorescent Dyes

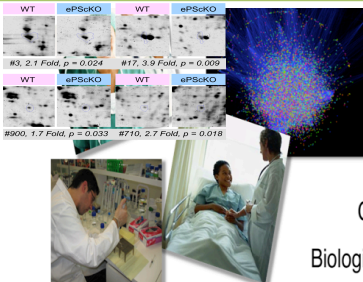


### Fluorescent Nanosensors for Environmental Applications

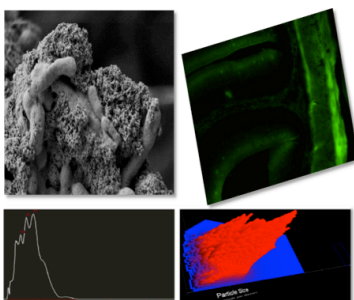
- Colorimetric Sensors
- Supramolecular Systems
- Fluorescent Nanoparticles



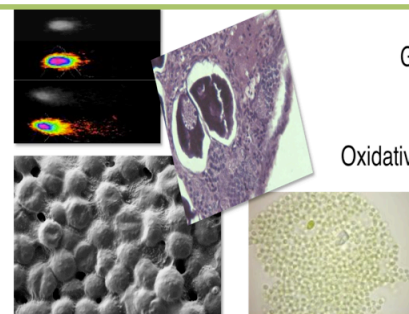
Gel Electrophoresis  
MALDI-TOF/TOF MS  
LC-MALDI-MS/MS  
OFF-Gel Isoelectric Focusing



NanoProteomics  
ToxicoProteomics  
PTMs Identification  
Biomarker Discovery  
Quantitative Proteomics  
Biological Mass Spectrometry



NanoToxicology  
EcoToxicoproteomics  
Biomarker Discovery  
Endocrine Disruption  
Genotoxicity



Gel Electrophoresis  
Western-Blotting  
Oxidative Stress Enzymes  
Immunoassays

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