



Biosciences Analysis Tools Iberian Meeting

ITQB - Lisbon | 12-13 July 2018

This event has been designed to provide maximum opportunity for discussion on biosciences analysis tools, an area of intense scientific interest, and will engage some national and international specialists who will share their experience in this field.

CONTENTS:

- Fluorescence Lifetime Imaging Microscopy (FLIM)
Stimulated Emission Depletion (STED) Microscopy
Confocal Microscopy
- Spectrofluorimetry
- Size Exclusion Chromatography (GPC-SEC)
- Dynamic Light Scattering (DLS), Electrophoretic Light Scattering (ELS) and
Static Light Scattering (SLS)
- Nanoparticle Tracking Analysis (NTA)
- Mass Spectrometry in Proteomics
- Isothermal Titration Calorimetry (ITC)
- Differential Scanning Microcalorimetry (DSC)
- Circular Dichroism (CD)
- Microviscosimetry
- Bio-layer Interferometry (BLI)
- Surface Plasmon Resonance (SPR)
- Quartz Crystal Microbalance with Dissipation Monitoring (QCM-D)
- Langmuir Blodgett
- Contact Angle



PROGRAMME:

HOURS:	12 TH JULY	13 TH JULY
09:00	Vennue	RheoSense: Intro to Injectability Rui Soares
09:30	Opening Session Rui Soares, Paula Chicau, Lúgia Martins	Additional insights into biomolecular stability and aggregation using SEC-MALS and advanced detectors for chromatography Sandrine Olivier
10:00	DSC - a fundamental tool in protein and membrane characterization Margarida Bastos	Recent advances using BLI technology: Overview, Cell based assays and MS recovery Attila Aranyos
10:30	Biophysical tools to assess drugs effect on biological membranes Salette Reis	Next generation SPR: Reliable binding kinetics and sample quality from Single injections Attila Aranyos
11:00	Coffee Break	Coffee Break
11:30	Exploring glycan-protein interactions in biomaterials design Iva Pashkuleva	Contribution of Light Scattering techniques to the characterization of bionanosystems José Catita
12:00	Contact Angle Applications in Biomaterials Benilde Saramago	DLS, zeta potential and AFM on the study of Flavivirus replications Nuno Santos
12:30	Beyond α -helix and β -sheet – advancing your research with circular dichroism (CD) Doug Marshall	Synthesis and Characterization of Smart Hybrid Nanoparticles of Theranostics José Paulo Farinha
13:00	Lunch	Lunch
14:30	The expanding role of circular dichroism in biotherapeutic development Doug Marshall	Fluorescence and Confocal Microscopy José Rino
15:00	Introduction to the new Zetasizer Pro and Ultra Stéphane Rouquette	Advanced Fluorescence Microscopy: FLIM and STED Hugo Gonçalves
15:30	Coffee Break	Spectrofluorimetry - a resourceful analytical technique to approach biosciences challenges Paula Gameiro
16:00	Driven Proteomics by Nano2-based Mass Spectrometry José Luis Capelo	End
16:30	Microcalorimetry: A versatile tool for the characterization of biomolecular interaction Raúl Pacheco-Gómez	
17:00		
17:30	End	



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INVITED SPEAKERS :

- Attila Aranyos | Sales Director EMEA at Pall FortéBio
- Benilde Saramago | Professor at IST and Researcher at CQE
- Doug Marshall | Chirscan Product Manager at Applied Photophysics
- Hugo Gonçalves | Application Specialist at Paralab
- Iva Pashkuleva | Principal Investigator at 3B's Research Group, UM
- José Catita | Senior Manager at Paralab and Professor at FCS-UPF
- José Luis Capelo | BIOSCOPE Group Leader and Professor at UNL
- José Paulo Farinha | Professor at IST and Researcher at CQE
- José Rino | Head of Bioimaging Facility at IMM
- Margarida Bastos | Professor and Researcher at FCUP
- Nuno Santos | Group Leader at IMM and Professor at FMUL
- Paula Gameiro | Professor and Researcher at FCUP
- Raúl Pacheco-Gómez | Product Technical Specialist at Malvern Panalytical
- Rui Soares | CEO at Paralab
- Salette Reis | Group Leader Director of Chemical Sciences Department at FFUP
- Sandrine Olivier | International Sales Specialist at Malvern Panalytical
- Stéphane Rouquette | Biosciences Business Manager at Malvern Panalytical

REGISTRATION:

	UNTIL 31ST MAY 2018	UNTIL 30TH JUNE 2018	UNTIL 9TH JULY 2018
GENERAL	—	—	—
STUDENTS	—	—	—

Includes lunches, coffee breaks and access to speakers presentations.

To register follow the link: <https://bit.ly/2K2J8UC>

