



Program

June 2014		July 2014	
29 (Sunday)	30 (Monday)	1 (Tuesday)	2 (Wednesday)
	08:00 Registration		
	08:50 Opening		
	09:00 1st session	09:00 5th session	09:00 8th session
	10:40 Coffee & Posters <i>Sponsored by Izasa</i>	10:40 Coffee & Posters <i>Sponsored by NORLEQ</i>	10:40 Coffee
	11:20 2nd session	11:20 6th session	11:00 9th session
	12:40 Lunch	12:40 Lunch	12:20 Closing
	14:20 3rd session	14:20 7th session	12:40 Lunch
	16:00 Coffee & Posters <i>Sponsored by Innova</i>	16:00 Coffee & Posters <i>Sponsored by Paralab</i>	
	17:00 4th session		
18:00 Registration		18:30 Cultural program & Conference dinner <i>(departure from Sana hotel)</i>	
19:00 Reception	19:00 GRUFO-RSEQ Meeting GFQ-SPQ Meeting		

Sunday, June 29th

18:00 Registration

19:00 Reception at Sana Malhoa Hotel

Monday, June 30th

8:00 Registration

8:50 Opening

SESSION 1 *Chair: Miguel Angel Miranda (ITQ, Universidad Politecnica de Valencia, Spain)*

9:00-10:00 **PL1: Stefan Hell** (MPI for Biophysical Chemistry, Göttingen, Germany)
"Far-field optical nanoscopy: principles and recent advancements"

10:00-10:40 **IL1: Eugénio Vasques** (Universidad de Santiago de Compostela, Spain)
"There is More to Metal Ions than Catalysis"

10:40-11:20 Coffee Break / Poster Session **Sponsored by Izasa**

SESSION 2 *Chair: Silvia Costa (Tecnico, Universidade de Lisboa, Portugal)*

11:20-12:00 **IL2: Ermelinda Maçôas** (Tecnico, Universidade de Lisboa, Portugal)
"Nonlinear Emission of Molecular Materials: From Fundamentals to Application"

12:00-12:20 **OC1: Angel Orte** (Universidad de Granada, Spain)
"Different Oligomer Types in Amyloidogenic Domains Revealed by Single Molecule Fluorescence"

12:20-12:40 **OC2: Luisa Pastrana** (Fac. Engenharia, Universidade do Porto, Portugal)
"Role of Oxygen Functionalities on the Synthesis of Photocatalytically Active Graphene-TiO₂ Composites"

12:40-14:20 Lunch

SESSION 3 *Chair: Fernando Pina (FCT, Universidade Nova de Lisboa, Portugal)*

14:20-15:20 **PL2: Luisa De Cola** (University of Strasbourg, France)
"Photo- and Electroresponsive Dynamic Materials. Properties and Applications"

- 15:20-15:40 **OC3: Daniel Collado** (Universidad de Malaga, Spain)
"Energy Transfer in Aminonaphthalimide–BODIPY Dyads upon One and Two-photons excitation"
- 15:40-16:00 **OC4: Pedro Paulo** (Tecnico, Universidade de Lisboa, Portugal)
"Fluorescent Dendrimers for Single-Molecule Microscopy"
- 16:00-17:00 Coffee Break / Poster Session **Sponsored by Innova**
- SESSION 4** *Chairman: Ezequiel Perez-Inestrosa* (Universidad de Malaga, Spain)
- 17:00-17:40 **IL3: Luís Carlos** (CICECO, Universidade de Aveiro, Portugal)
"Luminescent Nanothermometers"
- 17:40-18:00 **OC5: Maria C. Cuquerella** (ITQ, Universidad Politecnica de Valencia, Spain)
"The Pyrimidone Chromophore as Endogenous DNA Photosensitiser"
- 18:00-18:20 **OC6: Rebeca Sola** (Universidad del País Vasco, Spain)
"Fluorescence Colour Switching by the Encapsulation of Two Chromophores into MgAPO-11"
- 18:20-18:40 **OC7: Daniel Rivero** (Universidad de Alcala de Henares, Spain)
"Mechanochemical Tuning of Molecular Excitation Energy"
- 19:00 Meeting of GRUFO-RSEQ
 Meeting of Grupo de Fotoquímica-SPQ

Tuesday, July 1th

- 8:00 Registration
- SESSION 5** *Chair: Ernesto Martínez Ataz* (Universidad de Castilla-La Mancha, Spain)
- 9:00-10:00 **PL3: Julia Pérez-Prieto** (Universidad de Valencia, Spain)
"Smart Photoactive Nanoparticles: a Question of Size"
- 10:00-10:40 **IL4: Carlos Serpa** (Universidade de Coimbra, Portugal)
"Early Events in Protein Folding Followed by Photoacoustic Calorimetry"

10:40-11:20 Coffee Break / Poster Session **Sponsored by NORLEQ**

SESSION 6 *Chairman: Luís Arnaut (Universidade de Coimbra, Portugal)*

11:20-12:00 **IL5: Guillermo Orellana** (Universidad Complutense de Madrid, Spain)
"Photochemical Sensing of Waterborne Cu(II) with Molecularly Engineered Luminescent Dyes"

12:00-12:20 **OC8: Joaquim Faria** (Universidade do Porto, Portugal)
"An Innovative Photocatalytic Treatment Solution for Antibiotic Control in Wastewater"

12:20-12:40 **OC9: Marcos Latorre** (ITQ, Universidad Politecnica de Valencia, Spain)
"Innovative Procedure For The Preparation of MoS₂-graphene Heterostructures And Its Use in Photocatalytic H₂ Generation"

12:40-14:20 Lunch

SESSION 7 *Chairman: Jose M. Alvarez-Pez (Universidad de Granada, Spain)*

14:20-15:00 **IL6: Jorge Parola** (FCT, Universidade Nova de Lisboa, Portugal)
"Multiresponsive Systems Based on 2-Hydroxychalcones"

15:20-15:40 **OC10: Igor Reva** (Universidade de Coimbra, Portugal)
"Light-Induced Processes in Cytosines"

15:20-15:40 **OC11: Boiko Cohen** (Universidad de Castilla-La Mancha, Spain)
"Time-Resolved Emission Anisotropy of Single and Double Guest Dye-Doped Polymer Nanoparticles"

15:40-16:00 **OC12: Nuno Basílio** (FCT, Universidade Nova de Lisboa, Portugal)
"Chemical Reaction Network of Flavylum Cations Within Confined Molecular Containers"

16:00-17:00 Coffee Break / Poster Session **Sponsored by Paralab**

20:30 Conference Dinner

Museu do Oriente

Avenida Brasília, Doca de Alcântara Norte
1350-362 Lisboa
www.museudoorientep.pt

Private guided visit and dinner at the museum
Conference bus service from and to Sana Malhoa Hotel

Wednesday 2nd

8:00	Registration
SESSION 8	<i>Chairman: José Gaspar Martinho (Tecnico, Universidade de Lisboa, Portugal)</i>
9:00-10:00	PL4: Hugh Burrows (Universidade de Coimbra, Portugal) <i>“Electronic energy transfer and migration in conjugated polymers and polyelectrolytes”</i>
10:00-10:40	IL7: Uwe Pischel (Universidad de Huelva, Spain) <i>“Information Processing with Photochromic Switches”</i>
10:40-11:20	Coffee Break
SESSION 9	<i>Chairman: Joaquim Faria (Universidade do Porto, Portugal)</i>
11:00-11:40	IL8: Jordi Hernando (Universitat Autònoma de Barcelona, Spain) <i>“Encapsulation of Stimuli-Responsive Molecules for the Preparation of Photofunctional Materials”</i>
11:40-12:00	OC13: Suzana Andrade (Tecnico, Universidade de Lisboa, Portugal) <i>“Anchoring of Metal Nanoparticles on Carbon-Based Hybrid Assemblies with Photoactive Molecules”</i>
12:00-12:20	OC14: João Avó (FCT, Universidade Nova de Lisboa, Portugal) <i>“Photoresponsive Ionic Liquids”</i>
12:20-12:40	Closing
12:40	Lunch

POSTER Communications

P1 - Inês Mariz: Two-Photon Activated 3D Data Storage

P2 - Pedro J. Rivero: Metal Nanoparticles Loaded Thin Films for Sensing Applications

P3 - Débora Mendes: Photochemistry of the Green Fluorescent Protein (GFP) Chromophore Inside Cucurbiturils

P4 - Neus Duran-Giner: Excited States Characterization of N-Oxides with Fast and Ultrafast Transient Absorption Spectroscopy.

P5 - Ana Sofia Rodrigues: Intrinsically Fluorescent Nanocontainers for Theranostics

P6 - Carlos Carreira: Excitonic Coupling and Deactivation Pathways in Bilirubin

P7 - Bruno Ferreira: Photophysical Properties of Molecular Boron Compounds for Electroluminescence Conversion

P8 - Ixone Esnal: BODIPY Dyes with Tunable Emission from the Orange to the Blue Edge of the Visible Spectrum

P9 - Iñigo López-Arbeloa: A Rational Design: an Environmental Polarity Sensor and a Laser Dye Based on a BODIPY-Rhodamine Cassette

P10 - Hermenegildo Garcia i Baldovi: Understanding the reasons for the distinctive photocatalytic behavior of Titanium samples modified by Au and Cu Nanoparticles deposition for the CO₂ reduction by water. A microsecond transient absorption spectroscopy study.

P11 - Laurinda Areias: Fluorescent Hexahydroxytriphenylene Based Boron Sensors

P12 - Daniel Limones-Herrero: Transient Absorption Spectroscopy Study of Chlorpromazine Metabolites Binding to Human Serum Albumin

P13 - Laura Francés-Soriano: Singlet Oxygen Generation Involving Energy Transfer from Up-conversion Nanoparticles to BODIPY's

P14 - Guido Ielasi: Unexpected Electron Transfer from a Photoexcited Ru(II) Complex Covalently Bound to GaN Surfaces

P15 - Soranyel González-Carrero: Ratiometric Oxygen Sensors in Non-aqueous Media Based on Pyrene-Capped CdSe@ZnS Nanoparticles

P16 - Diego Flores-Oña: Optimization of the Synthesis of Water-Soluble Quantum Dots and their Use as Photocatalysts

P17 - Marc Padilla-Barriento: Cyclodextrin-Coated Gold Nanoparticles as Platforms for Plasmon-Induced Photoreactions

P18 - Sebastian Raja: High performance NIR emitting silica nanoparticles for bioimaging

P19 - Ezequiel Perez-Inestrosa: Preparation, photophysical properties and cell image of Naphthalimide-based fluorescent nanostructures for biomedical applications: BAPAD

dendrimeric antigens and silica nanoparticles

P20 - Vanda Serra: The influence of beta-vinyl substitution on the electronic properties of pyridinium porphyrins

P21 - Emilio García-Fernández: Single-Molecule Fluorescence of Dendrimer-Streptavidin Supramolecular Core-Shell Assemblies

P22 - Maria J. Ruedas-Rama: pH Sensitive Quantum Dot – Anthraquinone Nanoconjugates

P23 - Carlos Bueno-Alejo: Hybrid Materials Graphene/Nanoparticles and Dyes: A Photophysical Study

P24 - Suzete Almeida: Fluorescent biocompatible polymers as temperature sensing material in the physiological range

P25 - Maria Luisa Marin: New Photoactive Aggregates Based on Dansyl and Naproxen Derivatives of Cholic Acid

P26 - Francisco Bosca: Seeking the Mechanism Responsible for the Fluoroquinolone Photomutagenicity

P27 - Julie Vanegas: Gold Nanoparticles capped with Inosine derivative: Formation of Aggregates and their Use in Molecular Sensing

P28 - C. M. Sousa: Photochromic Properties of Naphthopyran-Based Hybrid Nanomaterials

P29 - Catarina Santos: Functional nanoparticles for boron scavenging and optical detection

P30 - Ernesto Martínez: Tropospheric reactivity of 2-methoxypropene

P31 - Jorge Alberto Pedro: Photodissociation Mechanism of Moderately Strong Photoacids

P32 - Kamila K. Mentel: Effects of Bulk and Surface Reactions in Chemiluminescence from Quantum Dots

P33 - Pedro M. Costa: Photophysical Characterization of New Materials for OPVs

P34 - Edjane Rocha dos Santos: Photophysics Properties of Mononuclear Ru(II) and Binuclear Mn(I)-Ru(II) Complexes

P35 - Artur Moro: Photochemical Release of Caged Drugs from the Surface of Nanoparticles

P36 - Adelino Galvão: Vibronic, Mode Enhanced, Photochromism in Benzopyrans

P37 - Tânia Ribeiro: Quantum-dot Photoluminescence Enhancement Using Gold Nanoparticles

P38 - Maria J. Ruedas-Rama: 8-HaloBODIPYs and Their 8-(C, N, O, S) Substituted Analogues: Solvent Dependent UV-vis spectroscopy, Variable Temperature NMR, Crystal Structure Determination, and Quantum Chemical Calculations

P39 - José M. Alvarez-Pez: Real-Time Phosphate Sensing in Living Cells using Fluorescence Lifetime Imaging Microscopy (FLIM)

P40 - Maykel de Miguel: Stimuli-Responsive Fluorescent Fiber Scaffolds For Stem Cell

Production

P41 - Roberto Di Paolo: Amplified Spontaneous Emission in Oligophenylene Vinylenes

P42 - Jose Albaladejo: Photooxidation of $\text{CF}_3(\text{CF}_2)_2\text{CH}=\text{CH}_2$ (HFO-1447fz) Initiated by OH Radicals Under Tropospheric Conditions

P43 - André Pontes da Costa: 9,10-Di(4-pyridyl)anthracene Metal Organic Frameworks: Synthesis, Structure and Luminescence

P44 - António Maçanita: How the Hemiketal Form of Anthocyanins Protect Plants from UV-B Radiation

P45 - Sérgio Alves: Fluorescent Nanoparticles for pH Sensing

P46 - José António B. Ferreira: Electronic Properties of Porphyrin–Rhodamine Dyads

P47 - Asma Agrebi: Multicomponent synthesis of fluorescent imidazo[1,2-c]pyrazolo[3,4-*d*]pyrimidine