

III JORNADAS IBÉRICAS DE FOTOQUÍMICA

and

X CONGRESO DE FOTOQUÍMICA

Joint meeting of the specialized photochemistry groups of
the Spanish Royal Society of Chemistry (RSEQ) and the
Portuguese Society of Chemistry (SPQ)

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PRESENTATION

	Monday 5th	Tuesday 6th	Wednesday 7th
8:00-9:00	REGISTRATION		
8:45-9:00	OPENING CEREMONY		
9:00-10:00	PL-1 Klenerman	9:00-10:00 PL-2 Kirsch-De Mesmaeker	9:00-9:35 INV-5 Seixas de Melo
			9:35-10:10 INV-6 Flors
10:00-10:35	INV-1 García-Moreno	10:00-10:35 INV-3 Prieto	10:10-10:30 OR-16 Novo
10:35-11:00	COFFEE BREAK		
11:00-11:20	OR-1 Baleizão	11:00-11:35 INV-4 Boens	11:00-11:20 OR-17 Marín-Altaba
11:20-11:40	OR-2 Pocovi-Martínez		11:20-11:40 OR-18 C. Martín
11:40-12:00	OR-3 Faria	11:35-11:55 OR-13 Descalzo	11:40-12:00 OR-19 Bermejo
12:00-12:20	OR-4 Pérez-Lustres	11:55-12:15 OR-14 Ruedas-Rama	12:00-12:20 OR-20 Blanco-Lomas
12:20-12:40	OR-5 Encinas	12:15-12:35 OR-15 Aguilera-Sigalat	12:20-12:40 OR-21 Remón
12:40-13:00	OR-6 Cerdán		12:40-13:00 OR-22 Bañuelos-Prieto
13:00-14:30	LUNCH	TRIP TO THE ALPUJARRAS	LUNCH
14:30-16:00	POSTER SESSION		POSTER SESSION
16:00-16:35	INV-2 Pérez-Inestrosa		16:00-16:35 INV-7 Longarte
16:35-16:55	OR-7 Durán-Sampedro		16:35-17:10 INV-8 De Miguel
16:55-17:15	OR-8 Collado		
17:15-17:35	OR-9 Di Nunzio		17:10-17:30 OR-23 V. Martín
17:35-17:55	OR-10 López-Gejo		17:30-17:50 OR-24 Laia
17:55-18:15	OR-11 Saini		17:50-18:10 OR-25 Castaño
18:15-18:35	OR-12 Costa		GRUFO BOARD MEETING
21:00	NIGHT VISIT TO THE ALHAMBRA	21:00	CONFERENCE BANQUET AT 'LA CHUMBERA'

III JORNADAS IBÉRICAS DE FOTOQUÍMICA –
CONFERENCE PROGRAM

MONDAY 5TH

8:00 – 9:00 **Conference Registration**

8:45 – 9:00 Opening ceremony

SESSION 1. Chairman: Angel Orte (U. Granada)

9:00 – 10:00 Plenary Talk: **David Klenerman** (U. Cambridge, U.K.). *New biological insights from single molecule studies.*

10:00 – 10:35 Memorial Talk for Dr. Roberto Sastre: **Inmaculada García-Moreno** (C.S.I.C., Spain). *Roberto Sastre: Creativity in photopolymers.*

10:35 – 11:00 COFFEE BREAK

SESSION 2. Chairwoman: Inmaculada García-Moreno (C.S.I.C.)

11:00 – 11:20 OR-1: Carlos Baleizão (IST, UTL, Portugal). *The Brightest Fullerene: A New Isotope Effect in Molecular Fluorescence and Phosphorescence.*

11:20 – 11:40 OR-2: Salvador Pocoví Martínez (U. Valencia, Spain). *Controlled UV-C Light-Induced Fusion of Thiol-Passivated Gold Nanoparticles.*

11:40 – 12:00 OR-3: Joaquim L. Faria (U. Porto, Portugal). *When carbon meets light: enhancing photocatalytic activity of TiO₂ by introducing carbon nanotubes.*

12:00 – 12:20 OR-4: J. Luis Pérez-Lustres (U. Santiago de Compostela, Spain). *Photoisomerisation around a fulvene double bond. Coherent population transfer to the electronic ground state?*

12:20 – 12:40 OR-5: Santiago Encinas (U.P.V., Spain). *Sunscreens as feasible oxygen acceptors in the photo-deoxygenation of heterocyclic N-oxides.*

12:40 – 13:00 OR-6: Luis Cerdán (C.S.I.C., Spain). *Studies on stimulated emission in dye-doped polymer thin films.*

13:00 – 14:30 LUNCH AT THE NEOMUDÉJAR HALL (COLEGIO MÁXIMO)

14:30 – 16:00 POSTER SESSION

PRESENTATION

SESSION 3. Chairman: Pedro Campos (U. La Rioja)

16:00 – 16:35 Memorial Talk for Prof. Rafael Suau: **Ezequiel Pérez-Inestrosa** (U. Málaga, Spain). *Photochemical Electron Transfer: from synthetic uses to applications under molecular Boolean logic.*

16:35 – 16:55 OR-7: Gonzalo Durán Sampedro (U.C.M., Spain). *Fluorescence and Laser Performance of Fluorinated BODIPY Dyes.*

16:55 – 17:15 OR-8: Daniel Collado (U. Malaga, Spain). *Photophysical processes in bicromophoric Naphthalimide-BODIPY systems.*

17:15 – 17:35 OR-9: Maria Rosaria di Nunzio (U. Castilla-La Mancha). *Energy transfer from caged Topotecan (a potent anti-cancer drug) to a Rhodamine-cyclodextrin nanocarrier.*

17:35 – 17:55 OR-10: Juan López-Gejo (U.C.M., Spain). *Luminescent polymer nanofibers with high oxygen permeability for photochemical chemical sensing.*

17:55 – 18:15 OR-11: Vipin K. Saini (IST, UTL, Portugal). *Polyelectrolyte-assisted functionalization of carbon nanotubes with ordered assemblies of a water soluble porphyrin.*

18:15 – 18:35 OR-12: Diana Costa (U. Beira Interior, Portugal). *Does dehydration drives the binding of trivalent metal ions to polyelectrolytes in aqueous solution?*

21:00 NIGHT VISIT TO THE ALHAMBRA

TUESDAY 6TH

SESSION 4. Chairman: Guillermo Orellana (U. Complutense Madrid)

9:00 – 10:00 Plenary Talk: **Andrée Kirsch-De Mesmaeker** (U. L. Brussels, Belgium). *Mechanisms and applications of photobridgings of biomolecules by Ru(II) complexes.*

10:00 – 10:35 Invited Talk: **Manuel Prieto** (U. T. Lisboa, Portugal). *Advanced FRET methodologies in membrane biophysics.*

10:35 – 11:00 COFFEE BREAK

SESSION 5. Chairman: Joaquim L. Faria (U. Porto)

11:00 – 11:35 Invited Talk: **Noël Boens** (K.U. Leuven, Belgium). *BODIPY.*

11:35 – 11:55 OR-13: Ana Belén Descalzo (U.C.M., Spain). *Luminescent Silica Nanoparticles Engineered for Enrofloxacin Sensing based on FRET.*

11:55 – 12:15 OR-14: Maria J. Ruedas-Rama (U. Granada, Spain). *Quantum Dot as photoluminescence lifetime-based nanosensors.*

III JORNADAS IBÉRICAS DE FOTOQUÍMICA

12:15 – 12:35 OR-15: Jordi Aguilera-Sigalat (U. Valencia, Spain). *Methodology to obtain highly fluorescent organic- and water-soluble CdSe/ZnS core-shell quantum dots capped with thiols.*

12:35 EXCURSION TRIP TO THE ‘ALPUJARRAS’. LUNCH AT PAMPANEIRA.

21:30 CONFERENCE BANQUET AT ‘LA CHUMBERA’

WEDNESDAY 7TH

SESSION 6. Chairwoman: Flor Rodríguez-Prieto (U. Santiago de Compostela)

9:00 – 9:35 Invited Talk: **Sérgio J. Seixas de Melo** (U. Coimbra, Portugal). *Photophysics and Excited State Behavior of Organic Molecules Involving Two and Three Interconverting Excited Species.*

9:35 – 10:10 Invited Talk: **Cristina Flors** (U. Edinburgh, U.K.). *Fluorescence photoswitching in DNA: applications in advanced fluorescence microscopy.*

10:10 – 10:30 OR-16: Mercedes Novo (U. Santiago de Compostela, Spain). *Association Dynamics of DNA Minor Groove Binders.*

10:30 – 11:00 COFFEE BREAK

SESSION 7. Chairman: António L. Maçanita (IST, U. T. Lisboa)

11:00 – 11:20 OR-17: María J. Marin Altaba (U. East Anglia, U.K.). *Gold nanoparticles functionalised with PET-based fluorescent probes for intracellular measurements of pH.*

11:20 – 11:40 OR-18: Cristina Martín (U. Castilla-La Mancha, Spain). *Study of the fluorescence enhancement of stable core-shell silica nanoparticles using single molecule emission spectroscopy.*

11:40 – 12:00 OR-19: Ruperto Bermejo (U. Jaen, Spain). *New magnetic-luminescent nanoparticles composed by ferritin with linked phycocyanins and phycoerythrins.*

12:00 – 12:20 OR-20: Marina Blanco-Lomas (U. La Rioja, Spain). *Light-activated biomimetic molecular switches.*

12:20 – 12:40 OR-21: Patricia Remón (U. Huelva, Spain). *Molecular logic switching with spiropyran-fluorophore dyads.*

12:40 – 13:00 OR-22: Jorge Bañuelos Prieto (E.H.U., Spain). *Halogenated BODIPY as generators of singlet oxygen.*

PRESENTATION

13:00 – 14:30 LUNCH AT THE NEOMUDEJAR HALL (COLEGIO MÁXIMO)

14:30 – 16:00 POSTER SESSION

SESSION 8. Chairman: Ulises Acuña (C.S.I.C.)

16:00 – 16:35 Invited Talk: **Asier Longarte** (E.H.U., Spain). *Photostability of aromatic chromophores: ultrafast dynamics involving $\pi\sigma^*$ electronic states.*

16:35 – 17:10 Invited Talk: **Gustavo de Miguel** (U. Castilla-La Mancha, Spain). *Femtosecond dynamics of squaraine molecules with potential application as sensitizers in DSSCs.*

17:10 – 17:30 OR-23: Virginia Martín (C.S.I.C., Spain). *New 8-amino-BODIPY derivatives: surpassing laser dyes at blue-edge wavelengths.*

17:30 – 17:50 OR-24: C.A.T. Laia (REQUIMTE, Portugal). *Photophysics of Ionic Liquids.*

17:50 – 18:10 OR-25: Obis D. Castaño (U. Alcalá, Spain). *Non-vertical Triplet-Triplet Energy Transfer in condensed phase: definition and quantification of the reaction coordinate.*

18:10 – 18:15 CONCLUDING REMARKS

18:15 – 18:30 GRUFO BOARD MEETING