



U

LISBOA

UNIVERSIDADE
DE LISBOA



**COLÉGIO
de QUÍMICA**

CHEMISTRY: SHAPING THE FUTURE

(including WORKSHOP WITH INDUSTRY)

& 2019 SUMMER SCHOOL

4th MEETING OF THE CQUL (4ECQUL)

16-19 July 2019

Salão Nobre of Rectory

CHEMISTRY: SHAPING THE FUTURE

Chair	PROGRAMME July 16 th	
	08h30	Check-in
	09h00-9h15	Opening Session António Cruz Serra (Rector of ULisboa) Armando Pombeiro (President of the College of Chemistry) Maria José Calhorda (President of the Organizing Committee)
	Energy & Environment	
Maria José Calhorda	09h15-10h00	Plenary Lecture 1 Karl Kirchner (Technical University of Vienna) Well-defined Iron and Manganese Complexes in Catalysis – Hydrogenations, Dehydrogenations and More
Ana Lourenço	10h00-10h20	Invited Lecture 1 Dmitry Evtuygin (UAveiro) Winemaking residues as a prospective bioenergy source
	10h20-10h50	Poster Session + Coffee Break
Isabel Miranda	10h50-11h10	Invited Lecture 2 Suzana Ferreira Dias (ISA-ULisboa) Sustainable enzyme-catalyzed production of biodiesel from crude vegetable oils
Jorge Correia	11h10-12h10	Oral (15 min) & Flash (5 min) Presentations [O] Jaime Coelho (iMed-ULisboa) [O] Moisés Pinto (IST ULisboa) [O] Ricardo Silva (FC- ULisboa) [F] Bernardo Monteiro (IST-ULisboa) [F] Manas Sutradhar (IST-ULisboa) [F] Olinda Monteiro (FC-ULisboa)
Fátima Guedes da Silva	12h10-12h30	Invited Lecture 3 Paulo Martinho (FC-ULisboa) Fe(III) salEen spin crossover complexes displaying the thermosalient effect
		Lunch
	Materials	
Mário Nuno	14h00-14h45	Plenary Lecture 2 Grace Morgan (University College Dublin) Shaping the Future with Molecular Magnets
	14h45-15h05	Invited Lecture 4 A. Jorge Parola (FCT-UNLisboa) Shaping the Future with Host-Guest Photoswitches
António Almeida + Moisés Pinto	15h05-16h05	Oral (15 min) & Flash (5 min) Presentations [O] Nuno Bandeira (FC-ULisboa) [O] Kamran T. Mahmudov (IST-ULisboa) [O] Ricardo Simões (FC-ULisboa) [F] Tannistha Roy Barman (IST-ULisboa) [F] Ana F. Bettencourt (FF-ULisboa) [F] Dulce Belo (IST-ULisboa)
	16h05-16h35	Poster Session + Coffee Break
Manuel Minas da Piedade *	16h35-16h55	Invited Lecture 5 António Almeida (FF-ULisboa) Lipid-based Nanostructured Particles as a Platform for Pulmonary Drug Delivery
	16h55-17h15	Invited Lecture 6 António Gonçalves (IST-ULisboa) Advanced materials for energy and medical applications

CHEMISTRY: SHAPING THE FUTURE

Chair	PROGRAMME July 17 th	
	08h45	Check-in
	Life & Health	
Nuno C. Santos	09h15-10h00	Plenary Lecture 3 Gilles Gasser (PSL Université Paris) Metal Complexes in Medicinal Chemistry
	10h00-10h20	Invited Lecture 7 Carlos Geraldes (FCT-UCoimbra) Contrast agents for Molecular Imaging- the input of Chemistry
	10h20-10h50	Poster Session + Coffee Break
Filomena Carvalho	10h50-11h10	Invited Lecture 8 M ^a da Conceição Rangel (FC-UPorto) Hydroxypyridinones: Chelators to Life Sciences
Pedro Góis	11h10-12h10	Oral (15 min) [O] Hélio Faustino (iMed-ULisboa) [O] Inês Mariz (IST-ULisboa) [O] Ivo Martins (IMM-ULisboa) [O] Fábio Santos (iMed-ULisboa)
	12h10-12h30	Invited Lecture 9 Diana Gaspar (FM-ULisboa) Challenging breast cancer development with the natural peptide PvD1
		Lunch
	Life & Health	
Rui Moreira	14h00-14h45	Plenary Lecture 4 Javier Montenegro (University of Santiago de Compostela) Supramolecular Chemistry: Gene Delivery and Synthetic Biology
	14h45-15h05	Invited Lecture 10 Miguel Machuqueiro (FC-ULisboa) In silico studies of pHLIPs: the pH-sensitive peptides that target the acidity in tumor cells
Sónia Gonçalves + Amélia Rauter	15h05-16h05	Oral (15 min) & Flash (5 min) Presentations [O] André Dias (FF-ULisboa) [O] Shrika harjivan (iMed-ULisboa) [O] Luís Frija (IST-ULisboa) [F] Rita Gonçalves Pereira (iMed-ULisboa)
	16h05-16h35	Poster Session + Coffee Break
	16h35-17h00	Closing Session & Awards Ceremony Maria José Calhorda (President of the Organizing Committee) Presidents of the Divisions of the College of Chemistry
	17h00-18h00	General Assembly of the College of Chemistry of the ULisboa

WORKSHOP INDUSTRY

Chair	PROGRAMME July 18 th	
	08h45	Check-in
	09h00-9h15	Opening Session Maria José Calhorda (President of the Organizing Committee) Carlos Henriques (Chair of the Industry Workshop)
Workshop Industry (Part I)		
Carlos Henriques	09h15-10h00	Plenary Lecture Yu Wang (FARASIS) Batteries for Electric Cars
	10h00-10h30	Invited Lecture 1 Ángela Nunes (SECIL) Innovation in Cement and Concrete Industry
	10h30-11h00	Poster Session + Coffee Break
João Moura Bordado + Carlos Afonso	11h00-11h30	Invited Lecture 2 Renato Carvalho (IBEROL) Innovation & Development, the Company Sustainability
	11h30-12h00	Oral Presentation (15 min) [O] Filipa Siopa
	12h00-12h30	Invited Lecture 3 Susana Lucas (HOVIONE) Drugs and technologies for the future – A process chemist view
		Lunch
Workshop Industry (Part II)		
Francisco Lemos + Moisés Pinto	14h00-14h45	Plenary Lecture Carlos Martins de Andrade (GALP) Roadmap to carbon neutrality - Energy challenges and opportunities to Chemical Research
	14h45-15h15	Invited Lecture 4 Manuel Carvalho (Linde) Industrial Gases, Making our world more productive
	15h15-15h45	Invited Lecture 5 Alexandre Gaspar (NAVIGATOR) Chemistry@ Pulp & Paper industry and possible wood based bio refineries
	15h45-16h15	Oral Presentation (15 min) [O] João Bordado
	16h15-16h45	Coffee Break
Carlos Castro	16h45-17h15	Invited Lecture 6 Luís Araújo (APQuímica) The Chemical Industry In Portugal - A brief description
	17h15-17h45	Invited Lecture 7 Cristina Correia (PRIO) PRIO: open innovation towards a more sustainable mobility

2019 SUMMER SCHOOL | July 19th

08h30	Check-in
09h00-9h15	Opening Session Armando Pombeiro (President of the College of Chemistry)
09h15-10h15	Invited Lesson 1 Henrique Pombeiro (Watt-IS)
10h15-10h45	Coffee Break
10h45-11h45	Invited Lesson 2 (Technological Tools I – Advanced Methodologies of Synthesis) Ana Paula Ribeiro (IST-ULisboa)
11h45-12h45	Invited Lesson 3 (Technological Tools II – Electrochemical Techniques) Jorge Correia (FC-ULisboa)
	Lunch
14h15-15h15	Invited Lesson 4 Yu Wang (Farasis)
15h15-16h15	Invited Lesson 5 (Technological Tools IV – X-ray Spectroscopy) Vânia André (IST-ULisboa)
16h15-17h15	Invited Lesson 6 (Technological Tools V – FTICR and MS for Life Sciences) Carlos Cordeiro (FC-ULisboa)
17h15-17h30	Closing Session Bruno Rocha (Member of the Organizing Committee) Armando Pombeiro (President of the College of Chemistry)
	Chill-Out

Centro de Química Estrutural · Instituto Superior Técnico
Av. Rovisco Pais · 1049-001 Lisboa · PORTUGAL
Tel.: (+351) 218 419 399 | E-mail: inescrsantos@tecnico.ulisboa.pt

Sponsored by

