

SUNDAY 15 JULY

- 16.00-18.30** Registration Lobby, Main Auditorium
- 18.30-19.30** Welcome reception in the University Science Museum

MONDAY 16 JULY

- 08.00** Registration Lobby, Main Auditorium
- 08.30-09.00** Opening Session Main Auditorium
- 09.00-09.45** Plenary Lecture 1 Main Auditorium
- PL1 Quantum mechanisms for light harvesting in photosynthesis
Gregory D. Scholes (University of Toronto, Canada)
- 09.50-10.20** Invited Lectures (IL1, IL2, IL3)
- IL1 Extracting light efficiently from triplet excitons without a heavy metal complex
Andy Monkman Main Auditorium
 - IL2 Photochemistry of artists' materials: from the laboratory to the museum
Costanza Miliani Chemistry Auditorium
 - IL3 Electronic excited states of guanine nanostructures
Dimitra Markovitsi Physics Auditorium
- 10.20-10.40**
- Materials aspects of photochemistry OC1 **René M. Williams** Main Auditorium
 - Photochemistry and cultural heritage OC3 **Maria João Melo** Chemistry Auditorium
 - Nanostructures and nanomaterials OC5 **Hiroshi Masuhara** Physics Auditorium
- 10.40-11.00**
- Materials aspects of photochemistry OC2 **Rachel C. Evans** Main Auditorium
 - Photochemistry and cultural heritage OC4 **Raquel Rondão** Chemistry Auditorium
 - Nanostructures and nanomaterials OC6 **André Del Guerzo** Physics Auditorium
- 11.00-11.30** Coffee Break
- 11.30-11.50**
- Materials aspects OC7 **Fernando B. Dias** Main Auditorium
 - Applied photochemistry OC108 **Jörg G. Schaubberger** Chemistry Auditorium
 - Nanostructures and nanomaterials OC11 **Rachel Meallet-Renault** Physics Auditorium

11.50-12.10

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|------------------------------------|------|---------------------------|----------------------|
| • Materials aspects | OC35 | César A. T. Laia | Main Auditorium |
| • Applied photochemistry | OC15 | Jean-Pierre Malval | Chemistry Auditorium |
| • Nanostructures and nanomaterials | OC12 | Robert B. Pansu | Physics Auditorium |

12.10-12.30

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|------------------------------------|------|------------------------------|----------------------|
| • Materials aspects | OC9 | Maria J. Tapia | Main Auditorium |
| • Applied photochemistry | OC16 | Sandra Schlögl | Chemistry Auditorium |
| • Nanostructures and nanomaterials | OC13 | Christophe Lincheneau | Physics Auditorium |

12.30-12.50

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|------------------------------------|------|--------------------------|----------------------|
| • Materials aspects | OC10 | Takashi Karatsu | Main Auditorium |
| • Applied photochemistry | OC17 | Yolanda Vida | Chemistry Auditorium |
| • Nanostructures and nanomaterials | OC14 | Pedro M. R. Paulo | Physics Auditorium |

12.50-14.30 Lunch Break

[pre-booked lunch bags are delivered on the main patio, please bring the lunch ticket identified with date and colour]

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|--------------------|---|--|-----------------|
| 14.30-15.15 | Plenary Lecture 2 | | Main Auditorium |
| | • PL2 Photofunctional organometallics - from fundamentals to design, assembly and functions | | |
| | Vivian W. W. Yam (The University of Hong Kong, China) | | |

15.20-15.40

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|---|------|------------------------|----------------------|
| • Photochemistry of metal complexes | OC18 | Pierre Sutra | Main Auditorium |
| • Mechanistic and synthetic organic photochemistry | OC20 | Paul Margaretha | Chemistry Auditorium |
| • Photobiology, photomedicine and skin photochemistry | OC23 | Mateusz Rebarz | Physics Auditorium |

15.40-16.00

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|---|-------|----------------------------|----------------------|
| • Photochemistry of metal complexes | OC109 | Mário J. F. Calvete | Main Auditorium |
| • Mechanistic and synthetic organic photochemistry | OC21 | Hiroshi Ikeda | Chemistry Auditorium |
| • Photobiology, photomedicine and skin photochemistry | OC24 | Noufal Kandoth | Physics Auditorium |

16.00-16.20			
• Photochemistry of metal complexes	OC19	Robert M. Edkins	Main Auditorium
• Mechanistic and synthetic organic photochemistry	OC22	Akihiko Ouchi	Chemistry Auditorium
• Photobiology, photomedicine and skin photochemistry	OC25	Maurício S. Baptista	Physics Auditorium
16.20-18.45 Poster Session 1			Poster Exhibition Room
Snack and Refreshment			
18.45-19.30 EPA General Assembly			Main Auditorium
19.30-20.30 Reception for EPA Members			University Botanical Gardens

TUESDAY 17 JULY

09.00-09.45 Plenary Lecture 3			Main Auditorium
• PL3 Conjugated polyelectrolytes and oligoelectrolytes for emerging optoelectronic and bioelectronic technologies			
Guillermo C. Bazan [University of California, Santa Barbara, U.S.A.]			
09.50-10.20 Invited Lectures (IL4, IL5, IL6)			
• IL4 Multichromophoric conjugated polymers			Main Auditorium
Ullrich Scherf			
• IL5 Novel fluorescent probes based on the intramolecular charge transfer compounds and proton transfer compounds			Chemistry Auditorium
Guoqiang Yang			
• IL6 Bio-inspired catalytic reactions with photosensitizers			Physics Auditorium
Yoshio Hisaeda			
10.20-10.40			
• Materials and devices	OC26	Ana Charas	Main Auditorium
• Charge transfer systems	OC28	Andrew Benniston	Chemistry Auditorium
• Bioinspired catalysis and photocatalysis	OC30	Maria Cherevatskaya	Physics Auditorium

10.40-11.00

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|--|------|--------------------------|----------------------|
| • Materials and devices | OC27 | Rossella Castagna | Main Auditorium |
| • Charge transfer systems | OC29 | Richard G. Weiss | Chemistry Auditorium |
| • Bioinspired catalysis and photocatalysis | OC31 | Takehiko Wada | Physics Auditorium |

11.00-11.30 Coffee Break**11.30-11.50**

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|---|------|------------------------|----------------------|
| • Materials aspects and energy transfer | OC32 | Shinsuke Takagi | Main Auditorium |
| • Solar energy conversion | OC36 | Kosei Ueno | Chemistry Auditorium |
| • Photochromism | OC40 | Jiro Abe | Physics Auditorium |

11.50-12.10

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|---|------|-----------------------|----------------------|
| • Materials aspects and energy transfer | OC33 | Amitava Patra | Main Auditorium |
| • Solar energy conversion | OC37 | Minjoong Yoon | Chemistry Auditorium |
| • Photochromism | OC41 | Tsuyoshi Kawai | Physics Auditorium |

12.10-12.30

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|---|------|---------------------------|----------------------|
| • Materials aspects and energy transfer | OC34 | Guillermo Orellana | Main Auditorium |
| • Solar energy conversion | OC38 | Monica Barroso | Chemistry Auditorium |
| • Photochromism | OC42 | Paulo J. Coelho | Physics Auditorium |

12.30-12.50

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|---|---------------|------------------------------|----------------------|
| • Materials aspects and energy transfer | {former P075} | Susana Piçarra | Main Auditorium |
| • Solar energy conversion | OC39 | Matthew Lloyd Davies | Chemistry Auditorium |
| • Photochromism | OC43 | Nathan D. McClenaghan | Physics Auditorium |

12.50-14.30 Lunch Break

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|--------------------|---|-----------------|
| 14.30-15.15 | Plenary Lecture 4 | Main Auditorium |
| | • PL4 Charge transfer in DNA | |
| | Tetsuro Majima (Osaka University, Japan) | |

15.20-15.50 Invited Lectures (IL, IL8, IL9)

- IL7 Dynamics and efficiency of photoinduced charge transport in DNA. Toward the elusive molecular wire
Frederick D. Lewis Main Auditorium
- IL8 Artificial photosynthetic systems based on [FeFe]-Hydrogenase mimics for hydrogen evolution
Li-Zhu Wu Chemistry Auditorium
- IL9 Photochromic and photoswitching systems based on 2-hydroxychalcones
Jorge Parola Physics Auditorium

15.50-16.20 Coffee Break

16.20-16.40

- DNA based systems OC44 **Hironu Kashida** Main Auditorium
- Artificial photosynthesis OC48 **Hiroyuki Takeda** Chemistry Auditorium
and solar energy conversion
- Photochromism and photoswitching OC52 **Kazushi Kinbara** Physics Auditorium

16.40-17.00

- DNA based systems OC45 **R. M. Wilson** Main Auditorium
- Artificial photosynthesis OC49 **Yi Li** Chemistry Auditorium
and solar energy conversion
- Photochromism and photoswitching OC53 **Joakim Andréasson** Physics Auditorium

17.00-17.20

- DNA based systems OC46 **Dipankar Sen** Main Auditorium
- Artificial photosynthesis OC50 **Julien Warnan** Chemistry Auditorium
and solar energy conversion
- Photochromism and photoswitching OC54 **Yasushi Yokoyama** Physics Auditorium

17.20-17.40

- DNA based systems OC47 **Wai-Ming Kwok** Main Auditorium
- Artificial photosynthesis OC51 **Mirco Natali** Chemistry Auditorium
and solar energy conversion
- Photochromism and photoswitching OC55 **Shigeru Takahara** Physics Auditorium

17.50-20.00 Poster Session 2

Snack and Refreshment

Poster Exhibition Room

WEDNESDAY 18 JULY

09.00-09.45 Plenary Lecture 5 Main Auditorium

- PL5 Artificial light harvesting antennae: from single molecules to cooperative clusters

Anthony Harriman (Newcastle University, U.K.)

09.45-10.30 Plenary Lecture 6 sponsored by Photochemical and Photobiological Sciences Main Auditorium

- PL6 Supramolecular strategies towards functional units of artificial photosynthesis

Franco Scandola (University of Ferrara, Italy)

10.30-11.00 Coffee Break

11.00-11.30 Invited Lectures (IL10, IL11, IL12)

- IL10 Electric field effects on photoinduced dynamics and function Main Auditorium
Nobuhiro Ohta
- IL11 Photoinduced electron transfer reactions in room temperature ionic liquids Chemistry Auditorium
Anunay Samanta
- IL12 Excited-state dynamics of various PBI molecular Assemblies probed by ensemble and single molecule spectroscopy Physics Auditorium
Dongho Kim

11.30-11.50

• Photoinduced dynamics	OC56	Silvia Braslavsky	Main Auditorium
• Sensors and imaging	OC60	Stephen Meech	Chemistry Auditorium
• Single molecule spectroscopy and microscopy	OC64	Johan Hofkens	Physics Auditorium

11.50-12.10

• Photoinduced dynamics	OC57	F. F. Graupner	Main Auditorium
• Sensors and imaging	OC61	Stéphane Petoud	Chemistry Auditorium
• Single molecule spectroscopy and microscopy	OC65	Liang Su	Physics Auditorium

12.10-12.30

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|---|------|------------------------|----------------------|
| • Photoinduced dynamics | OC58 | Werner M. Nau | Main Auditorium |
| • Sensors and imaging | OC62 | Marco Montalti | Chemistry Auditorium |
| • Single molecule spectroscopy and microscopy | OC66 | Edwin K.L. Yeow | Physics Auditorium |

12.30-12.50

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|---|------|-------------------------|----------------------|
| • Photoinduced dynamics | OC59 | Hiroshi Sekiya | Main Auditorium |
| • Sensors and imaging | OC63 | Ermelinda Maçõas | Chemistry Auditorium |
| • Single molecule spectroscopy and microscopy | OC67 | Angel Orte | Physics Auditorium |

13.00-15.00 Lunch Break

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13.00-15.00 IUPAC Photochemistry Symposium Scientific Committee Meeting Chemistry Department

15.00-18.00 Excursions

THURSDAY 19 JULY

09.00-09.45 Plenary Lecture 7 Main Auditorium
 • PL7 Controlling assembly and motion with light
Ben L. Feringa (University of Groningen, The Netherlands)

09.50-10.10

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|-------------------------------|------|-------------------------|----------------------|
| • Young photochemists session | OC68 | Martina Sandroni | Main Auditorium |
| • Ultrafast processes | OC71 | Hiroshi Miyasaka | Chemistry Auditorium |
| • Supramolecular chemistry | OC74 | Olga Fedorova | Physics Auditorium |

10.10-10.30

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|-------------------------------|------|-------------------------------|----------------------|
| • Young photochemists session | OC69 | Gonçalo F.F. Sá | Main Auditorium |
| • Ultrafast processes | OC72 | Alexander N. Tarnovsky | Chemistry Auditorium |
| • Supramolecular chemistry | OC75 | Laura Rodríguez | Physics Auditorium |

10.30-10.50

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|-------------------------------|------|---------------------------|----------------------|
| • Young photochemists session | OC70 | Filippo Ronzani | Main Auditorium |
| • Ultrafast processes | OC73 | Abderrazzak Douhal | Chemistry Auditorium |
| • Supramolecular chemistry | OC76 | Rui Nunes | Physics Auditorium |

10.50-11.20 Coffee Break**11.20-11.40**

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|------------------------------------|------|------------------------|----------------------|
| • Young photochemists session | OC77 | Lisa Peyrard | Main Auditorium |
| • Photochromism and photoswitching | OC82 | Hideko Koshima | Chemistry Auditorium |
| • Photocatalysis | OC87 | Mohamed Sarakha | Physics Auditorium |

11.40-12.00

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|------------------------------------|------|--------------------------------|----------------------|
| • Young photochemists session | OC78 | Daria Berdnikova | Main Auditorium |
| • Photochromism and photoswitching | OC83 | Jamie Conyard | Chemistry Auditorium |
| • Photocatalysis | OC88 | Maarten B. J. Roeffaers | Physics Auditorium |

12.00-12.20

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|------------------------------------|------|-------------------------|----------------------|
| • Young photochemists session | OC79 | Laurence Pessoni | Main Auditorium |
| • Photochromism and photoswitching | OC84 | Kingo Uchida | Chemistry Auditorium |
| • Photocatalysis | OC89 | João Carlos Lima | Physics Auditorium |

12.20-12.40

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|------------------------------------|------|--------------------------|----------------------|
| • Young photochemists session | OC80 | Monika Jakubowska | Main Auditorium |
| • Photochromism and photoswitching | OC85 | Stephane Aloïse | Chemistry Auditorium |
| • Photocatalysis | OC90 | E. Subramanian | Physics Auditorium |

12.40-13.00

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|------------------------------------|-------|------------------------------|----------------------|
| • Young photochemists session | OC81 | Danielle Wilson | Main Auditorium |
| • Photochromism and photoswitching | OC86 | Sayo Fukumoto | Chemistry Auditorium |
| • Photocatalysis | OC110 | Pascal Wong-Wah-Chung | Physics Auditorium |

13.00-14.30 Lunch Break**14.30-14.50**

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|------------------------------------|------|--------------------------|----------------------|
| • Young photochemists session | OC91 | Sara M. A. Pinto | Main Auditorium |
| • Photochromism and photoswitching | OC94 | Eric Vauthey | Chemistry Auditorium |
| • Photocatalysis | OC97 | Giacomo Bergamini | Physics Auditorium |

14.50-15.10

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|------------------------------------|------|----------------------------|----------------------|
| • Young photochemists session | OC92 | Marina Blanco-Lomas | Main Auditorium |
| • Photochromism and photoswitching | OC95 | Trevor Smith | Chemistry Auditorium |
| • Photocatalysis | OC98 | Mateusz Gierszewski | Physics Auditorium |

15.10-15.30

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|------------------------------------|-------|--------------------------|----------------------|
| • Young photochemists session | OC93 | Simone Viola Radl | Main Auditorium |
| • Photochromism and photoswitching | OC96 | Marius Koch | Chemistry Auditorium |
| • Photocatalysis | OC111 | Shmuel Zilberg | Physics Auditorium |

15.30-16.00 Invited Lectures (IL13, IL14, IL15)

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| • IL13 Photo-click chemistry tools for spatiotemporal control of metal-free ligation, labelling, and surface derivatization | | | Main Auditorium |
| | | Vladimir Popik | |
| • IL14 Exciton diffusion and charge generation in organic solar cells | | | Chemistry Auditorium |
| | | Thuc-Quyen Nguyen | |
| • IL15 Following Ciamician's visionary view: photochemistry for pollution abatement | | | Physics Auditorium |
| | | Moisés Canle Lopéz | |

16.00-16.30 Coffee Break

16.30-17.00 Invited Lectures (IL16, IL17, IL18)

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| • IL16 Smooth photogeneration of didehydrotoluenes | | | Main Auditorium |
| | | Angelo Albini | |
| • IL17 The Photo-generation and reactions of benzhydryl cations and radicals: a complex sequence of mechanisms from femtoseconds to microseconds | | | Chemistry Auditorium |
| | | Eberhard Riedle | |
| • IL18 Photoinduced charge transfer and vibrational relaxation in metal chromophores: an insight from ultrafast transient infrared and 2D-IR spectroscopies | | | Physics Auditorium |
| | | Julia Weinstein | |

17.00-17.20

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|---|-------|---------------------------|----------------------|
| • Luminescent probes, sensors and imaging | OC99 | Pavel A. Panchenko | Main Auditorium |
| • Photoinduced electron transfer | OC102 | Benedetta Carlotti | Chemistry Auditorium |
| • Photoactive nanoparticles and nanomaterials | OC105 | Luigi Tarpani | Physics Auditorium |

17.20-17.40

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|---|-------|--------------------------------|----------------------|
| • Luminescent probes, sensors and imaging | OC100 | Luis Filipe V. Ferreira | Main Auditorium |
| • Photoinduced electron transfer | OC103 | Christoph Lambert | Chemistry Auditorium |
| • Photoactive nanoparticles and nanomaterials | OC106 | Toshiharu Teranishi | Physics Auditorium |

17.40-18.00

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|---|-------|-----------------------|----------------------|
| • Luminescent probes, sensors and imaging | OC101 | Daniel Collado | Main Auditorium |
| • Photoinduced electron transfer | OC104 | Marja Niemi | Chemistry Auditorium |
| • Photoactive nanoparticles and nanomaterials | OC107 | Joachim Stumpe | Physics Auditorium |

19.30-23.00 Symposium Dinner

Quinta do Sobreiro

FRIDAY 20 JULY

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|---|------------------------|
| <p>09.00-09.45 Plenary Lecture 8 sponsored by Bluepharma</p> <ul style="list-style-type: none"> • PL8 From elementary reactions to chemical relevance in photodynamic therapy (PDT) <p>Sebastião J. Formosinho/Luis G. Arnaut
 (University of Coimbra, Portugal)</p> | <p>Main Auditorium</p> |
| <p>09.45-10.15 Invited Lecture (IL19)</p> <ul style="list-style-type: none"> • IL19 From natural to synthetic intramolecular charge transfer fluorescent dyes <p>Marcelo Gehlen (Instituto de Química de São Carlos, USP, Brazil)</p> | <p>Main Auditorium</p> |
| <p>10.15-10.45 EPA Ph.D. Prize Lecture (IL 20)</p> <ul style="list-style-type: none"> • IL 20 Fluorescent DNA modifications for use as probes of biological structure and as nanotechnological functional units <p>Karl Börjesson (Chalmers University, Sweden)</p> | <p>Main Auditorium</p> |

10.45-11.15 EPA-PPS Prize Lecture (IL 21) Main Auditorium
IL 21 Imaging cellular structures with near-molecular
resolution using photoswitchable fluorophores
• **Mike Heilemann**
(Julius-Maximilians-University Würzburg, Germany)

11.15-11.45 Coffee Break

11.45-12.30 Porter Medal Lecture (IL 22) Main Auditorium
IL 22 $\text{Ru}(\text{bpy})_3^{2+*}$ and other remarkable MLCT excited states
• **Thomas J. Meyer** (University of North Carolina, U.S.A.)

12.30-13.00 IUPAC poster, Springer Ph.D. student poster and Langmuir young Main Auditorium
photochemist lecture awards, announcement of XXV IUPAC
Symposium on Photochemistry and closing remarks