Last modified on October 22 2026

I. FOCUS ON THE DIFFERENT SESSIONS

COLOR	SCIENTIFIC SESSION	CONFERENCE
	PDT SCHOOL: Schedule	p. 03
	1. Photosensitizers and nanoparticles	p. 04
	2. PDT in pneumology and gastroenterology	p. 05
	3. PDT in dentistry and oral cancers	p. 06 & p.12
	4. Antimicrobial PDT	p. 07
	5. Dosimetry and interstitial PDT	p. 08
	6. Immunomodulation induced by PDT	p. 09
	7. PDT and Pancreas Cancer	p. 10
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General information for oral presentations

- Your presentation must be in English, saved as PowerPoint or PDF format on a USB key.
- **We invite you to load your presentation before the beginning of your session, half a day before your presentation on the computer of your conference room.**
- To avoid any technical bug and too long installation time, it is better to **only use the computer at your disposal.** We ask that you do not use your personal computer (unless otherwise indicated).
- A remote control with laser pointer will be at your disposal.

Invited presentations

- You will have **25 minutes** for your presentation (including some questions at the end of your presentation).

Regular presentations

- You will have **10 minutes** for your presentation (including some questions at the end of your presentation).

Poster presentations

- Your poster should **be printed in A0 format** (84.1 cm x 118.9 cm) in **portrait orientation**.
- Your poster should be **in English**.
- The posters will be displayed on grids and fixed with pins, which will be given to you upon your arrival.
- It is not possible to print your poster on site.
- Thank you for **hanging your poster** the first morning of the conference.
- Please **pick up your poster** on the last day of the conference, the remaining posters will not be retained.

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PDT SCHOOL 2026: SCHEDULE
GENERAL PUBLIC CONFERENCE: SCHEDULE
WELCOME RECEPTION: SCHEDULE

PDT SCHOOL 2026 SCHEDULE

AUDITORIUM A

Course	Monday, October 26th (14:00 – 18:00)	
REGISTRATION 13:00 – 14:00		
C1 14:00	45’	**Photosensitizers in PDT** Fabienne Dumoulin
Short break (14:45 – 15:00)		
C2 15:00	45’	**Biological mechanisms of PDT** Girgis Obaid
Short break (15:45 – 16:00)		
Coffee break (16:00 – 16:15)		
C3 16:15	45’	**Photophysical processes in PDT** Santi Nonell
Short break (17:00 – 17:15)		
C4 17:15	45’	**Light Dosimetry in PDT** Ronald Sroka

AUDITORIUM DONZELOT

GENERAL PUBLIC CONFERENCE
WELCOME RECEPTION
SCHEDULE

General public conference - Monday, October 26th (17:30 – 18:15) – Auditorium Donzelot

Conference animated by:
- **Céline FROCHOT**, LRGP (joint research unit of the CNRS and the University of Lorraine)
- **Serge MORDON**, Medical advisor

Welcome reception - Monday, October 26th (19:00 – 21:00) – CCI of Nancy

Choir “Les Quatre Vents”
Words of welcome

S1 ORAL SESSION — SESSION 1: Photosensitizers and nanoparticles

AUDITORIUM DONZELOT

S.1 Part 1	Tuesday, October 27th (09:00 – 10:40) Gilles LEMERCIER	
Invited 1 09:00	25’	**A Push-Pull Aza-BODIPY-Trastuzumab Conjugate for Type-I Photoimmunotherapy and Theranostic Imaging** **Santi NONELL** *Institut Químic de Sarrià, Universitat Ramon Llull, Spain*
Invited 2 09:25	25’	**Recent strategies to Develop Innovative Photosensitizer-Nanoparticle Complexes for Enhanced Photodynamic Therapy** **Vincent SOL** *Université de Limoges, Faculté des Sciences et Techniques, France*
Com. 1 09:50	10’	**Profiting from Light-Induced Metal-to-Metal Intramolecular Electron Transfer: Towards Highly Efficient Heterodinuclear Photosensitizers for Photodynamic Therapy,** Juan Sanz-VILLAFRUELA, Lisa-Marie SERVOS, Nicolás MONTESDEOCA, José Vicente CUEVAS-ViCARIO, Artur MORO, João Carlos LIMA, Marta MARTINEZ-ALONSO, **Gustavo ESPINO**, Johannes KARGES
Com. 2 10:00	10’	**Polymer-photosensitizer conjugates to induce photochemical internalization of immunomodulators** **Yiming XIA**, Daiki TOKURA, Hanqing JIANG, Takahiro NOMOTO
Com. 3 10:10	10’	**Nanoscintillator-Mediated X-PDT: Understanding the Influence of X-Ray Energy**, **Alexis MERCIER** Kristel BEDREGAL-PORTUGAL, Matéo LAVAUD, Sarah STELSE-MASSON, Malika DAKIR, Jean-Yves GIRAUD, Camille VERRY, Anne-Laure BULIN
Com. 4 10:20	10’	**NIR-activated peptide-targeted Ru-COUBPY photosensitizers for cancer photodynamic therapy** **Vicente MARCHAN**, Elena de la TORRE-RUBIO, Diego ABAD-MONTERO, Marc SUAU, Guillem LOREN, Albert GANDIOSO
Com. 5 10:30	10’	**Peptide-based conjugates for targeted fluorescence guided surgery and phototherapy of solid tumors** **Leopoldo SITIA**, Giulia TAIÈ, Anna Maria GASPARRI, Barbara COLOMBO, Matteo MONIERI, Arianna POCATERRA, Alessandro GORI, Antonio CITRO, Paolo RAINONE, Silvia VALTORTA, Angela COLIVA, Silvio ABATI, Lorenzo PIEMONTI, Rosa Maria MORESCO, Angelo CORTI, Flavio CURNIS
Coffee break (10:40 – 11:10)		

AUDITORIUM DONZELOT

S.1 Part 2	Tuesday, October 27th (11:10 – 12:05) Santi NONELL	
Invited 3 11:10	25’	**Toward Effective Photodynamic Therapy in Resistant Tumor: Organelle-Specific Photosensitizers and Implanted Light Delivery** **Tae Hyuk KWON** *Department of Chemistry, Ulsan National Institute of Science and Technology, Republic of Korea*
Com. 6 11:35	10’	**Dual NO and ROS Generation by Metal-Based Compounds for Enhanced Low-Dose Photodynamic and X-ray-Activated Therapy** Naiara BESSAS, Igor FRANÇA, Eduardo SILVA, Rafaela GIMENES, Amanda BECCENERI, **Roberto SILVA**
Com. 7 11:45	10’	**Investigating photodynamic priming - radiotherapy synergy: Mechanistic insights into nanoscintillators-mediated PDT efficacy** Sarah STELSE-MASSON, Matéo LAVAUD, Malika KADRI, Eve MOUTAUX, Florent CHUFFART, Hélène ELLEAUME, **Anne-Laure BULIN**
Com. 8 11:55	10’	**Selective Detection and Treatment of Malignant Cells by C60-Based Probes** Lorenzo PERSI, Julian Elio MARANGI, Martin BAUMGARTNER, **Yoko YAMAKOSHI**
Com. 9 12:05	10’	**Ruthenium(II) Complex-Phenalenone Dyads as Bifunctional Photosensitisers for Enhanced Antimicrobial Photodynamic Therapy** Jérémy GODARD, Franck THÉTIOT, Jannik FRYN, Tristan MONTIER, Frédérique BRÉGIER, Vincent SOL, Ulrich JONAS, **Tony LE GALL**, **Gilles LEMERCIER**
Lunch in restaurant (12:15 – 14:15)		

S2 ORAL SESSION — SESSION 2: PDT in Pneumology and gastroenterology

AUDITORIUM DONZELOT

S.2 Part 1	Tuesday, October 27th (14:15 – 15:45) Keith CENGEL	
Invited 4 14:15	25’	**How Far That Laser Throws Its Beams: Does Intraoperative PDT Still Shine in a Weary World?** **Keith CENGEL** *University of Pennsylvania, Philadelphia, USA*
Com.10 14:40	10’	**Harnessing Light-Activated Ruthenium(II) Complexes to Enhance Antibiotic Efficacy against Pseudomonas aeruginosa** **Margaux BONNARDOT**, Tristan MONTIER, Tony LE GALL
Com.11 14:50	10’	**Synthesis and Characterization of Photoactive Molecules for Biomedical Applications** **Tristan HERGOT**, Vincent GAUMERD, Samir ACHERAR, Céline FROCHOT, Mihayl VARBANOV, Florence DUMARÇAY

Com.12 15:00	10’	**Targeting Neuropilin-1 with a Third-Generation Photosensitizer for Photodynamic Therapy in Non-Small Cell Lung Cancer (NSCLC)** **Clément BOUCHEZ**, Morgane MOINARD, Guillaume Paul GROLEZ, Pascal DELEPORTE, Gregory BAERT, Anne-Sophie DEWALLE, Fabrice SONCIN, Ibtihal HEZILI, Xavier THURU, Hassiba BOUAFIA, Samir ACHERAR, Céline FROCHOT, Arnaud SCHERPEREEL, Nadira DELHEM, Olivier MORALES
Unlocking the Potential of Photodynamic therapy: a challenge for the next years, Serge MORDON, Anne-Laure BULIN, Nidia MALDONADO-CARMONA, Colin HOPPER (15:10 – 16:00)		
Industrial talks (16:00-16:30)		
Coffee break (16:30 – 16:55)		

S3 ORAL SESSION — SESSION 3: PDT in dentistry and oral cancers

AUDITORIUM DONZELOT

S.3 Part 1	**Tuesday, October 27th (16:55 – 17:25)** Vincent SOL	
Com. 13 16:55	10’	**Monte Carlo Simulation of Zirconium Dental Implants waveguiding in Photodynamic Inactivation (PDI) of Periimplantitis** **Kolja LEHMANN**, Michael GUTHE, Heinrich WALT, Harald ESSIG
Com. 14 17:05	10’	**Monitoring of the photosensitizer dose and photosensitization intensity in photodynamic therapy of oral mucosa diseases** **Michał DOJS**, Anna DOJS, Elżbieta DEMBOWSKA, Zbigniew SUSZYŃSKI
Com. 15 17:15	10’	**Immunomodulatory effect of hypericin-mediated photodynamic therapy on oral cancer cells** Marcin OLEK, Agnieszka MACHOROWSKA-PIENIĄŻEK, Zenon CZUBA, **Aleksandra KAWCZYK-KRUPKA**
18:00-21:00 Social Evening, Le Palais (17 rue Grand Rabbin Haguenauer, 54000, Nancy)		

S4 ORAL SESSION — SESSION 4: Antimicrobial PDT

AUDITORIUM DONZELOT

S.4 part 1	Wednesday, October 28th (09:00 – 11:10) Anna Carolina RATTO TEMPESTINI HORLIANA	
Invited 5 09:00	25’	**Antimicrobial PDT and Dentistry: From the Bench to the Clinical Setting** **Alessandra RASTELLI** *Department of Restorative Dentistry, Sao Paulo State University-UNESP, Brazil*
Invited 6 09:25	25’	**Antimicrobial photodynamic therapy to treat skin/mucosal diseases: from photosensitizer optimization to clinical translation** **Anna Carolina RATTO TEMPESTINI HORLIANA** *Postgraduate Program in Biophotonics-Medicine, Universidade Nove de Julho (UNINOVE), Brazil*
Com. 16 09:50	10’	**A predictive model of light-biofilm interaction for photodynamic inactivation: experimental validation in Pseudomonas aeruginosa biofilms** **Giovanni ROMANO**, Nidia MALDONADO-CARMONA, Giacomo INSERO, Thomas PANIER, Nelly HENRY
Com. 17 10:00	10’	**Cationic PORPHYRIN-XYLAN hydrogels as photobactericidal biomaterials** **Ikhlass LAMLAOUI** Frédérique BREGIER, Vincent SOL, Tan-Sothea OUK, Vincent CHALEIX
Com. 18 10:10	10’	**Unify, Align, and Educate: Disseminating Photodynamic Inactivation of microorganisms by COST Action CA24127 PanEuCOPT** **Nidia MALDONADO-CARMONA**, Francesca GIUNTINI, Santi NONELL, Kristjan PLAETZER, Giovanni ROMANO, Fabienne DUMOULIN, Erhan KEYVAN, Martina MUŠKOVIĆ, Michal PIERANSKI, Amparo FAUSTINO, Bianka SIEWERT
Com. 19 10:20	10’	**Antibacterial Activities of Yellow-Fluorescent Phenalenone-Based Photosensitizers upon Blue Light Irradiation** Paul DE BONFILS, Denis JACQUEMIN, Pierrick NUN, Tan-Sothea OUK, Vincent SOL, German GUNTHER, **Vincent COEFFARD**
Com. 20 10:30	10’	**Enhanced Blue-Light Antibacterial Action of a Neutral Vanillin-Derived Polyimine against Staphylococcus aureus** **Asja BROVEDANI**, Elisabetta GOVER, Robert PULLAR, Marilena MARINO, Paolo STRAZZOLINI, Clara COMUZZI
Com. 21 10:40	10’	**From Optical Parameters to Clinical Potential: OLED-Based Antimicrobial Photodynamic Therapy for Diabetic Foot Ulcers** Marta PIKSA, Cheng LIAN, Krzysztof PAWLIK, Ifor SAMUEL, Wojciech FORTUNA, Andrzej SZUBA, **Katarzyna MATCZYSZYN**
Com. 22 10:50	10’	**Photoactive Phloxine B-Modified Nanocomposites for the Elimination of Biofilm Associated Infections** **Katarína BILSKÁ**, Marek PRIBUS, Peter BOHÁČ, Juraj BUJDÁK, Helena BUJDÁKOVÁ
Com. 23 11:00	10’	**Developing a light-activated antimicrobial for treatment of acute and chronic wounds** **Andrew CARROD,** Joy PATERSON, Eva DIAS, David CHISHOLM, Natalie YOUNG, Carrie AMBLER

Coffee break (11:10 – 11:40)		
S.4 part 2	**Wednesday, October 28th (11:30 – 11:50)** **Alessandra RASTELLI**	
Com. 24 **11:40**	10’	**Assessment of tolerance induction and cross-resistance following sequential exposures to MB-aPDT** **Micah CHAVEZ**, Cristina ROMO-BERNAL, Nicolas LOEBEL, Caetano SABINO
Com. 25 **11:50**	10’	**Effects of Photodynamic Inactivation on Candida albicans and Staphylococcus aureus: Role of Oxidative Stress and Virulence Regulation** **Helena BUJDÁKOVÁ**, Tomáš WALENTÍN, Matúš ŠTEFÁNEK, Katarína BILSKÁ, Larysa BUGYNA, Ľubomír ŠVANTNER, Marek PRIBUS, Juraj BUJDÁK
Lunch in room A6 (12:00 – 13:30)		
Poster session in the library (13:30 – 14:30)		

S5 ORAL SESSION — SESSION 5: Dosimetry and Interstitial PDT

S.5	**Wednesday, October 28th (14:30 – 16:35)** **Brian W. POGUE**	
Invited 7 **14:30**	25’	**PDT, Dosimetry and Treatment Planning** **Lothar LILGE** *Princess Margaret Cancer Centre, University Health Network, Canada* *Medical Biophysics, University of Toronto, Canada* *Laser Research Centre, Health Sciences, University of Johannesburg, South Africa*
Invited 8 **14:55**	25’	**Image-Based Light Dosimetry for Interstitial Photodynamic Therapy with Palliative Radiotherapy from the Bench to the Clinic** **Gal SHAFIRSTEIN** *Department of Cell Stress Biology, Roswell Park Comprehensive Cancer Center, USA* *Department of Thoracic Surgery, Roswell Park Comprehensive Cancer Center, USA*
Invited 9 **15:20**	25’	**Enabling technology for intraoral photodynamic therapy with real-time multichannel image-guidance and monitoring** **Jonathan CELLI** *Department of Physics, University of Massachusetts Boston, USA*
Com. 26 **15:45**	10’	**A Multiphysics Simulation Framework for Modeling Photodynamic Therapy of Pancreatic Cancer** **Christian TAYOU FOTSO**, Martin RODRIGUEZ-VEGA, Julien WOJAK, Anne-Sophie DEWALLE, Anne-Laure BULIN, Anabela Da SILVA
Com. 27 **15:55**	10’	**Measuring Tissue Oxygen with a Smartphone through Delayed Fluorescence of PpIX** **Brian W. POGUE**, Protik Chandra BISWAS, Jason R. GUNN, Tayyaba HASAN
Com. 28 **16:05**	10’	**Microvascular ultrasound-based pretreatment vascular assessment for guiding hemoporfin-mediated photodynamic therapy in port-wine stains** **Lidan ZHANG**, Ping DIAO, Xiaoxue LI, Lian LIU, Chenglong HAN, Xian JIANG

AUDITORIUM DONZELOT

Com. 29 16:15	10’	**New algorithms in metabolic NADH/FAD/FMN FLIM and oxygen PLIM to follow up metabolic pattern developments during PDT and other treatments** **A. RUECK**, J. WIELAND, D. dos SANTOS **B.**
Com. 30 16:25	10’	**Quantitative monitor for dosimetric parameters of vascular targeted photodynamic therapy** **Buhong LI**, Yi SHEN, Defu CHEN, Haixia QIU, Bin CHEN
Coffee break (16:35 – 17:00)		

S6 ORAL SESSION — SESSION 6: Immunomodulation induced by PDT

AUDITORIUM DONZELOT

S.6	Wednesday, October 28th (17:00 – 18:05) Janusz M. DABROWSKI	
Invited 10 17:00	25’	**Bringing nanobody-targeted photodynamic therapy to cancer patients: treatment of cats with oral squamous cell carcinoma** **Sabrina OLIVEIRA** *Department of Pharmaceutical Sciences, Faculty of Science, Utrecht University, The Netherlands* *Department of Biology, Faculty of Science, Utrecht University, The Netherlands*
Com. 31 17:25	10’	**Cytotoxic and immunomodulatory effects of hypericin-mediated photodynamic therapy on skin cell cultures** **Magdalena KRUPKA-OLEK**, Andrzej BOŻEK, Zenon CZUBA, Małgorzata KŁÓSEK, Aleksandra KAWCZYK-KRUPKA
Com. 32 17:35	10’	**Preclinical characterization of glucagon-like peptide receptor-targeted photodynamic therapy for the treatment of congenital hyperinsulinism** **Manon GLOUDEMANS**, Cathelijne FRIELINK, Wiert KOLKMAN, Chrysanthi TRIANTAFYLLOU, Fritz ANDREAE, Dennis LÖWIK, Sandra HESKAMP, Martin GOTTHARDT, Sanne VAN LITH
Com. 33 17:45	10’	**Redaporfin-mediated photodynamic therapy induces immunogenic cell death and durable antitumor immunity upon checkpoint blockade** **Janusz M. DABROWSKI**
Com. 34 17:55	10’	**Targeted photodynamic therapy to enhance antitumor efficacy and immune response in pancreatic cancer** **Ugo PIEYRE**, Nicolas STOUP, Sélène BAUDUIN, Souleymane SARR, Samir ACHERAR, Céline FROCHOT, Olivier MORALES, Emmanuel BOLESLAWSKI, Nadira DELHEM

S7 ORAL SESSION — SESSION 7: PDT and Pancreas Cancer

AUDITORIUM DONZELOT

S.7	Thursday, October 29th (09:00 – 11:15) Mans BROEKGAARDEN	
Invited 11 09:00	25’	**Data-Driven Nanoscale Engineering of Photodynamic Therapy for Pancreatic Cancer Immunotherapy** **Girgis OBAID** *Department of Bioengineering, University of Texas at Dallas, United-States*
Invited 12 09:25	25’	**What role can PDT play in the treatment of pancreatic cancer? A review** **Stephen BOWN** *Division of Surgery & Interventional Science, University College London, United Kingdom*
Invited 13 09:50	25’	**Lipid Nanoformulations for Photodynamic- and Radiotherapy of Pancreatic Cancer** **Mans BROEKGAARDEN** *Grenoble-Alpes University, Institute for Advanced Biosciences, Inserm U1209, CNRS UMR 5309, France*
Com. 35 10:15	10’	**Unravelling photodynamic modulation of pancreatic tumor structure and permeability using liposomal verteporfin** **Nazareth CARIGGA GUTIERREZ**, Malika KADRI, Maxime HENRY, Véronique JOSSERAND, Jean-Luc COLL, Girgis OBAID, Mans BROEKGAARDEN
Com. 36 10:25	10’	**Toward a Theranostic Platform for Pancreatic Cancer: In Vitro Evaluation of Gadolinium-Based Nanoparticles for X-Ray-Activated Photodynamic Therapy** **Soizic MARTIN AUBERT** Natalia JUAREZ LOPEZ, Nicolas KHEFIF, Frédéric LEROUGE, Lucie MEUNIER, Rianne BIEMANS, Jolien Van den BOSCH, Ludwig DUBOIS, Maria Nicole ANTONUCCIO, Philippe ROBERT
Com. 37 10:35	10’	**Endovascular photoactivated ablation for downstaging locally advanced pancreatic cancer: Dose finding study in a healthy porcine model** **Daphne DORST** Sanne van LITH, Martijn STOMMEL, Lodewijk BROSENS, Jan VERBEEK, Arjen BOGAARDS, Paul BLOEMEN, Martijn MEIJERINK, Alain GARCIA VAZQUEZ, Maurice AALDERS, Mans BROEKGAARDEN, Lothar LILGE, Jurgen FÜTTERER, Daniel de BRUIN, Christiaan OVERDUIN
Com. 38 10:45	10’	**Orai1 inhibition and PDT: novel combination therapy for Pancreatic Ductal Adenocarcinoma** **Francesca BIANCO**, Elena SAVIO, Federica GALVAGNO, Alessandra GILARDINO, Silvia DE TONI, Alberto PULIAFITO, Nadia BARBERO, Natalia PREVARSKAYA, Giorgia CHINIGO’, Alessandra FIORIO PLA
Com. 39 10:55	10’	**Evaluation of a FRalpha-targeted photodynamic therapy on patient-derived pancreatic tumor organoids with different chemoresistance status** **Nicolas STOUP**, Ugo PIEYRE, Sonia PAGET, Sélène BAUDUIN, OrgaRES Consortium, Audrey VINCENT, Morgane MOINARD, Céline FROCHOT, Emmanuel BOLESLAWSKI, Olivier MORALES, Nadira DELHEM

Com. 40 11:05	10’	**Case-specific modelling of light distribution and photodynamic dose for endovascular photoablation in pancreatic tissue** **Lothar LILGE**, Leah WILK, Tina SAEIDI, Anas GASSER, Daphne DORST, Sanne van LITH, Martijn STOMMEL, Lodewijk BROSENS, Jan VERBEEK, Arjen BOGAARDS, Paul BLOEMEN, Martijn MEIJERINK, Alain GARCIA VAZQUEZ, Maurice AALDERS, Mans BROEKGAARDEN, Jurgen FÜTTERER, Daniel de BRUIN et Kristian OVERDUIN.
Coffee break (11:15– 11:40)		

S8 ORAL SESSION — SESSION 8: PDT and Oxygen

S.8	**Thursday, October 29th (11:40 – 12:25)** **Steffen HACKBARTH**
Invited 14 11:40	25’	**Detection of singlet oxygen luminescence and fluorescence using superconducting nanowire single photon detector and time-resolved system** **Zheng HUANG** *MOE Key Laboratory of Medical Optoelectronics Science and Technology, College of Photonic & Electronic Engineering, Fujian Normal University, China*
Com. 41 12:05	10’	**Effects of power densities on singlet oxygen generation and abscopal effects in photodynamic therapy with talaporfin sodium** **Hanqing JIANG**, Steffen HACKBARTH, Takahiro NOMOTO
Com. 42 12:15	10’	**Imaging of singlet oxygen phosphorescence in vitro and in vivo - An update** **Steffen HACKBARTH**
Lunch break (12:25 – 14:00)		

AUDITORIUM DONZELOT

S.8 Part 2	**Thursday, October 29th (14:00 – 14:30)** **Steffen HACKBARTH**
Com. 43 14:00	10’	**Real-Time Detection of Singlet Oxygen in Glioma Cell Models during Photodynamic and Direct Light Therapy** **Marijana PETKOVIĆ**, Jelena ŽAKULA, Lela KORIĆANAC, Maja NEŠIĆ, Iva POPOVIĆ, Vanja RALIĆ, Ivana POPOVIĆ, Djordje KAPURAN, Mioljub NEŠIĆ, Aleksandra MALUCKOV, Anne REGNIER-VIGOROUX, Sophie GIEß, Steffen HACKBARTH, Milutin STEPIĆ
Com. 44 14:10	10’	**A retrospective evaluation: There was no significant relationship between oxygen inhalation concentrations and the effectiveness of Hemoporfin-mediated photodynamic therapy with general anesthesia in the treatment of port-wine stains** **Ping DIAO**
Com. 45 14:20	10’	**Singlet Oxygen Based In-silico Evaluation of Clinical Outcomes in Talaporfin Sodium-Mediated Photodynamic Therapy for Peripheral Lung Cancer** **Hayato NAGAMATSU**, Yuri MORIZANE, Yuuya TOMIOKA, Takumi SONOKAWA, Jitsuo USUDA, Takahiro NISHIMURA

S3bis ORAL SESSION — SESSION 3 BIS: PDT in dentistry and oral cancers

AUDITORIUM DONZELOT

S.3 Part 2	Thursday, October 29th (14:30 – 15:05) Vincent SOL	
Invited 15 **14:30**	25’	**Photodynamic Therapy for oral diseases: clinical and *in vitro* studies experience with new natural photosensitizers** **Cinzia CASU**, Sara FAIS, Germano ORRU *Department of Surgical Science, Oral Biotechnology Laboratory, University of Cagliari, Italy*
Com.46 **14:55**	10’	**LXD191: A light activated gel treatment for oral epithelial dysplasia** **Ben BROWN**, Cole SIMS, Natalie YOUNG, David CHISHOLM, Eva DIAS, Carrie AMBLER

S9 ORAL SESSION — SESSION 9: PDT in Neurosurgery

AUDITORIUM DONZELOT

S.9 Part 1	Thursday, October 29th (15:05 – 16:25) Serge MORDON	
Invited 16 **15:05**	25’	**Clinical Benefits of Photodynamic Therapy Using Talaporfin Sodium in Patients with Isocitrate Dehydrogenase-Wildtype Diagnosed Glioblastoma,** **Takashi SASAYAMA** *Department of Neurosurgery, Kobe University Graduate School of Medicine, Japan*
Invited 17 **15:30**	25’	**Intraoperative Photodynamic therapy in the management of glioblastomas: lessons from two clinical studies** **Nicolas REYNS** *HRU Lille - Hôpital Roger Salengro (Lille)*
Com. 47 **15:55**	10’	**Possibilities of interstitial photodynamic therapy in the treatment of brain glioblastoma** **RYNDA A.Yu.,** OLYUSHIN V.E., ROSTOVTSEV D.M
Com. 48 **16:05**	10’	**Developing 3D models of glioblastoma to evaluate the effect of PDT on cellular invasion** **Arina BREEVA**, Kristel BEDREGAL-PORTUGAL, Matéo LAVAUD, Malika DAKIR, Vincent VERDOOT, Frédéric BOSSARD, Anne-Laure BULIN
Com. 49 **16:15**	10’	**Results of treatment of glioblastomas using photodynamic therapy** **RYNDA A.Yu.,** OLYUSHIN V.E., ROSTOVTSEV D.M
Coffee break (16:25 – 16:50)		

S9 ORAL SESSION — SESSION 9: PDT in Neurosurgery

AUDITORIUM DONZELOT

S.9 Part 2	Thursday, October 29th (16:50 – 17:40) Ronald SROKA	
Invited 18 16:50	25’	**Biophotonics for brain tumor therapy and surgical guidance with and without photosensitizer accumulation** **Adrian RUHM** *LMU Klinikum, Germany*
Com. 50 17:15	10’	**Rational Design of PET/PDT Theranostic Agents for High-Grade Glioma** **Jean-Romain LOTTHE**, Natthasit LERTTHUNDORN, Rene KORNMANN, Kerstin SANDER, Alexander MacROBERT, Graeme STASIUK
Com. 51 17:25	10’	**Investigations into the Efficacy of 5-ALA Mediated PDT in Combination with Lapatinib for the Treatment of Temozolomide-Resistant and Sensitive Glioblastoma Cell Lines** **Temitope KALE**, Alexander BUCHNER, Ronald SROKA, ADRIAN RÜHM, Heike POHLA, Maximilian AUMILLER
Com. 52 17:35	10’	**Photosensitizer TPCS2a synthesized via a simplified synthetic route - validated on human (T24) and rat (AY27) cancer cell models** **Odrun A. GEDERAAS**, Hildegunn DAHL, Synne E. TVEIDE, Oskar MIDDEL, Mikael LINDGREN, Morten KARLSEN

Gala dinner in the Great Salons of the City Hall of Nancy (19:30 – 23:30)

S11 ORAL SESSION — SESSION 11: PDT in Dermatology

AUDITORIUM DONZELOT

S.11	Friday, October 30th (9:00 – 11:05) Xiuli WANG	
Invited 19 9:00	25’	**Improving PDT for skin cancer: melanoma and non-melanoma** **Vanderlei S BAGNATO** *University of São Paulo – São Carlos -SP – Brazil & 2BME – Texas A&M University – College Station – TX – USA*
Com. 53 9:25	10’	**Evaluation in vitro of the immunomodulatory effect of Rose Bengal photodynamic therapy in human melanoma** **Marie BOILEAU**, Anthony LEFEBVRE, Smail MARFHOR, Pascal Deleporte, Guillaume Paul GROLEZ, Anne-Sophie DEWALLE, Olivier MORALES, Nadira DELHEM, Laurent MORTIER

Com. 54 9:35	10′	**A Dual-Enzyme and ALA Coloaded Supramolecular Hydrogel for Cascade-Amplified EDT-PDT Synergy in SCC Treatment** **Peiru WANG**, Yiting ZHAO, Qi ZHANG, Zhe ZHENG, Xia WANG, Qigang WANG, Xiuli WANG
Com. 55 9:45	10′	**A Novel Combination of Holmium Laser and Photodynamic Therapy for Refractory Multifocal High-Grade Squamous Intraepithelial Lesions: A Case Series** **Long WEN**, Haiyan ZHANG, Yunfeng ZHANG, Linglin ZHANG, Xiuli WANG
Com. 56 9:55	10′	**Photodynamic Priming Enhances Skin Response in FLASH Radiotherapy** **Brian W. POGUE**, Aleksandra ILINA, Jason R. GUNN, Valentin DEMIDOV, Tayyaba HASAN
Com. 57 10:05	10′	**Combination of subcutaneous sclerotherapy and hematoporphyrin monomethyl ether photodynamic therapy: An exploration of treatment for subcutaneous high-flow port-wine stains** **Lidan ZHANG**, Ping DIAO, Xiaoxue LI, Lian LIU, Xian JIANG
Com. 58 10:15	10′	**Microneedle optical therapy system** **Anne PLANAT-CHRETIEN**, Mathieu ANTON, Jean-François BECHE, Guillaume BLANQUER, Alexandre DELALLEAU, Elodie FAURE, Emilie Lefrançois, Dominique LAURO, Robinson Prada MEJIA, Véronique MOURIER, Vincent REMONDIERE, Florence RIGAL, Emilie RUSTIQUE, Claire VERPLANCK, Nadira DELHEM, Anne-Sophie DEWALLE, Guillaume GROLEZ, Anthony LEFEBVRE, Meriem AYADH, Hassan ZAHOUANI, Jean-Luc PERROT, Laurent MORTIER
Com. 59 10:25	10′	**Outcomes of neoadjuvant ALA-PDT treatment for elderly patients with cutaneous squamous cell carcinoma of the head and neck** Caihe LIAO, Dixin WANG, Long WEN, Linglin ZHANG, Peiru WANG, **Xiuli WANG**
Com. 60 10:35	10′	**Efficacy and Safety of Intense Pulsed Light-Photodynamic Therapy for Moderate-to-Severe Rosacea** **Yunfeng ZHANG,** Xiuli WANG
Com. 61 10:45	10′	**Hematoporphyrin monomethyl ether-mediated photodynamic therapy versus pulsed dye laser for pediatric port-wine stain: a retrospective study,** **Xiaoxue LI**, Lian LIU, Ping DIAO, Xian JIANG
Com 62 10:55	10′	**Multi-omics Analysis Reveals Photodynamic Therapy Ameliorating Skin Photoaging by Improving Cellular Senescence through Mitohormesis-Mediated Reduction of Citrate Content** Yu YAN, Qihang CHANG, Yun WU, Qingyu ZENG, Yiting ZHAO, Guorong YAN, Zhi CAO, Haiyan ZHANG, Xiuli WANG, Peiru WANG
Coffee break at the library (11:05-11:25)		

S11 ORAL SESSION — SESSION 11: PDT in Dermatology

S.11 Part 2		Friday, October 30th (11:25 – 11:55) Vanderlei S BAGNATO
Com. 63 11:25	10’	**Application Value of Photodynamic Diagnosis in Detecting Carcinogenesis in Actinic Keratosis Areas** **Chun HE**
Com. 64 11:35	10’	**Development of Dual Function Optical Microneedle Lens Array for skin cancer treatment by Photodynamic Therapy** **Anthony LEFEBVRE**, Wataru HANAMOTO, Jongho PARK, Pascal DELEPORTE, Anne-Sophie DEWALLE, Vincent SENEZ, Oregane BAJEUX, Nicolas STOUP, Guillaume Paul GROLEZ, Laurent MORTIER, Nadira DELHEM, Beomjoon KIM
Com. 65 11:45	10’	**Development of Metallic Nanoparticles for Plasmonic Photothermal Therapy Applied in the Treatment of Advanced-Stage melanoma** **Elyas AL YASINI**, Guillaume GROLEZ, Anne-Sophie DEWALLE, Gregory BAERT, Olivier MORALES, Laurent MORTIER, Anne-Laure MOREL, Nadira DELHEM

S10 ORAL SESSION — SESSION 10: PDT in Gynecology

S.10		Friday, October 30th (09:00 – 10:10) Henri CLAVE
Com. 66 11:55	10’	**Photodynamic Therapy for persistent HPV Infection: a fertility-preserving, office-based therapeutic innovation,** **Henri CLAVE**, Charlotte SCHUMACKER, Christophe DEPUYDT, Jean Claude HAMMOU
Com. 67 12:05	10’	**Adjuvant ALA-PDT Therapy for Patients with Positive Surgical Margins after LEEP for High-Grade Cervical Lesions: A Prospective Controlled Study** **Yi CHEN**, Dan WU
Com. 68 12:15	10’	**Comparative Efficacy and Safety of Different 5-ALA Concentrations in Photodynamic Therapy for hrHPV-Related CIN2 with p16 Positivity: a Multicentre, Randomised, Double-blind, Placebo-controlled, Phase II trial** **Lihua QIU**
Com. 69 12:25	10’	**Optimal number of 5-aminolevulinic acid photodynamic therapy sessions for cervical low grade squamous intraepithelial lesions with high-risk HPV infection: a retrospective cohort study** **Yingting WEI**

AUDITORIUM DONZELOT

Com. 70 **12:35**	10’	**Evaluation of the impact of a new targeted photodynamic therapy (PDT) on the tumor inflammatory microenvironment of epithelial ovarian cancer** **Nadia HAGE ALI**, Nicolas STOUP, Margaux MERLIER, Morgane MOINARD, Guillaume Paul GROLEZ, Céline FROCHOT, Olivier MORALES, Yohan KERBAGE, Nadira DELHEM
Com. 71 **12:45**	10’	**Induction of Immunogenic Cell Death by a Third-Generation Targeted Photodynamic Therapy in Epithelial Ovarian Cancer** **Margaux MERLIER**, Nicolas STOUP, Léa BOIDIN, Nadia HAGE ALI, Célia GHYSEL, Hugo GHEERAERT, Morgane MOINARD, Céline FROCHOT, Olivier MORALES, Yohan KERBAGE, Nadira DELHEM
Com. 72 **12:55**	10’	**Photodynamic Therapy for Clearing High-risk Human Papillomavirus in Patients with Persistent Infection after LEEP for Cervical HSIL: A Non-randomized Concurrent Controlled Study** **Liying GU**, Zubei HONG, Lihua QIU

Conclusion (13:05-13:15)

PDT 2026 – LIST OF POSTERS

001	**Synthesis and pre-clinical evaluation of Exendin-700DX in overexpression model for GLP-1R targeted Photodynamic Therapy in Congenital Hyperinsulism** **Wiert KOLKMAN**, Manon GLOUDEMANS, Cathelijne FRIELINK, Floris RUTJES, MARTIN GOTTHARDT, Fritz ANDREAE, Sanne VAN LITH, Dennis LÖWIK
002	**Synthesis, spectroscopy and validation of TPCS2a, against human (T24) and rat (AY27) cancer cell models** **Hildegunn DAHL**, Morten KARLSEN, Synne E. TVEIDE, Oskar MIDDEl, Mikael LINDGREN, Odrun A. GEDERAAS
003	**Effect of hypericin-mediated photodynamic therapy on cytotoxicity and cytokine secretion in MCF-7 breast cancer cells** **Aleksandra KAWCZYK-KRUPKA**, Magdalena CZARNECKA-CZAPCZYŃSKA, Zenon CZUBA, David AEBISHER, Wiktoria MYTYCH, Dorota BARTUSIK-AEBISHER
004	**Nailing it! Light-driven disinfection in nail models** **Nidia MALDONADO-CARMONA**, Francesca MANCUSI, Mara WESINGER, Elisa BIANCHI, Giacomo INSERO, Giovanni ROMANO, Barbara RICHICHI, Stefano CICCHI, Dagmar FISCHER
005	**Ce6 derivative photodynamic therapy triggers PANoptosis and enhances antitumor immunity with LAG3 blockade in cutaneous squamous cell carcinoma** Diyan CHEN, Bo WANG, Chunying LI, Hui TAO, Fangqi LU, Zhijie RUAN, Zijun ZHAO, Chunxiao LI, Guorong YAN, Haiyan ZHANG, Yeqiang LIU, Xiuli WANG, Guolong ZHANG, **Qingyu ZENG**
006	**The Relationship Between the Differences in Color Doppler Blood Flow Signals and The Therapeutic Effect Of HMME-PDT for Port-Wine CM** **Han CHENGLONG**, Diao PING, Jiang XIAN
007	**A group of Binuclear Ir(III)-Complexes for Enhanced Photodynamic Therapy Efficiency** **Agoston BARTA**, Laetitia VANWONTERGHEM, Frédérique LOISEAU, Jean-Luc COLL, Pierre-Henri LANOË, Amandine HURBIN
008	**A Highly Potent Ruthenium Photosensitizer for Red-Light-Activated Photodynamic Therapy of Cancer** Cristina BERMEJO-CASADESÚS, Latifa REKLAOUI, Juan SANZ-VILLAFRUELA, Henriette S DE BRUIJN, Dominic ROBINSON, Mònica IGLESIAS, Sílvia BARRABÉS, Gustavo ESPINO, Marta MARTÍNEZ-ALONSO, **Anna MASSAGUER**
009	**Anticancer efficacy using a non-toxic photosensitizer solubilization technology** **Il Lae JUNG**
010	**Antimicrobial Activity of Porphyrinoid-Adjuvant Combinations for Targeting High-Impact Microbial Pathogens** **Daniel ZIENTAl,** Jolanta DLUGASZEWSKA, Eduardo ANAYA PLAZA, Andrés DE LA ESCOSURA, Tomas TORRES, Ana BELEN DOMÍNGUEZ, M. Salome RODRÍGUEZ-MORGADE, Lukasz SOBOTTA

011	**Antimicrobial Photodynamic Inactivation of microbial biofilms in- and around the oral cavity: An integrative review on non-animal models to advance clinical translation BODIPY-metal conjugates as potential theranostic anticancer agents** **Gabor KADLER,** Hendrik KOLIWER-BRANDL, Heinrich WALT, Harald ESSIG, Tiziano SCHWEIZER
012	**BODIPY-metal conjugates as potential theranostic anticancer agents** **Raúl GOMEZ-RECIO,** Jose DOMINGUEZ, Marta MARTINEZ-ALONSO, Roberto QUESADA, Anna MASSAGUER, Gustavo ESPINO
013	**Cellulose Acetate Nanoparticles Loaded with Curcumin: A Sustainable Photolarvicide against Aedes aegypti** Regiane LIMA, Laís AGUILERA, Gabriella MIESSI, Montcharles PONTES, Priscila CAVALHERI, Emmanuel MIGUEL, Raphael FLORES, Caique PORSCH, Samuel OLIVEIRA, **Anderson CAIRES**
014	**Combining oxygen delivery and photodynamic therapy with tumor-targeted perfluorinated micelles: a new approach to personnalized medicine** **Lilian MICHON**, Amélie DELTHEIL, Eric DORIS, Jean-Christophe CINTRAT, Edmond GRAVEL
015	**Design of new peptide vectors for photodynamic therapy of pancreatic cancer** **Souleymane SARR**, Céline FROCHOT, Samir ACHERAR
016	**Design, Synthesis and Evaluation of a C7 Peptide-Pyropheophorbide a Conjugate for Targeted Photodynamic Therapy of Ovarian Cancer** **Manuarii DIDIER**, Morgane MOINARD, Samir ACHERAR, Céline FROCHOT
017	**Development of a « lock & release » supramolecular prodrug for antiviral therapy** **Vincent GAUMERD**, Tristan HERGOT, Samir ACHERAR, Céline FROCHOT, Mihayl VARBANOV, Florence DUMARÇAY
018	**Development of Metallic Nanoparticles for Plasmonic Photothermal Therapy Applied in the Treatment of Advanced-Stage Melanomas** **Elyas AL YASINI,** Guillaume GROLEZ, Anne-Sophie DEWALLE, Gregory BAERT, Olivier MORALES, Laurent MORTIER, Anne-Laure MOREL, Nadira DELHEM
019	**Development of PET/PDT Theranostics for Breast Cancer** **Jasmine SYMONS**, Graeme STASIUK, Elnaz YAGHINI, Vijay CHUDASAMA, Sandy MACROBERT, Kerstin SANDER
020	**Development, verification, and first veterinary use of diffuse reflectance and fluorescence spectroscopy device for measuring in vivo concentrations of porphysome nanoparticles in activated and inactivated forms** **Theo HUSBY**, Johan DIAZ TOVAR, Tiffany HO, Michael VALIC, Jason TOWNSON, Harley CHAN, Juan CHEN, Jonathan IRISH, Gang ZHENG, Brian WILSON, Robert WEERSINK
021	**Effects of Fimaporfin (TPCS2a) and bleomycin on human bladder cancer cells (T24) by photodynamic therapy** **Synne TVEIDE**, Odrun GEDERAAS
022	**Efficacy of Photodynamic Therapy Combined with Enzymes in Controlling Biofilm Related to Dental Caries** Giuliana CRESCITELLI, Luísa CARACCIOLO, Igor POLIKARPOV, Vanderlei BAGNATO, **Alessandra RASTELLI**

023	**Enhanced Antitumor Efficacy of ALA-PDT Combined with PD-L1 Blockade in a Murine Bladder Cancer Model** **Kaya ATAGI,** Shinkuro YAMAMOTO, Chiaki KAWADA, Ryu SHIGEHISA, Anantya PUSTIMBARA, Hideo FUKUHARA, Satoshi FUKATA, Shun-ichiro OGURA, Keiji INOUE
024	**Enhancing Tumor-Targeted Photodynamic Therapy via Photoinduced Electron Transfer in Bombesin Metallopeptides Bearing an Ir(III) Complex and Carboxyfluorescein** Elisenda ZAFON, Gerard RIESCO-LLACH, Igor ECHEVARRÍA, **Marta MARTÍNEZ-ALONSO**, Marta PLANAS, Lidia FELIU, Gustavo ESPINO, Anna MASSAGUER
025	**From Photostimulation to Photocytotoxicity: Biphasic Viability Response of NCH82 Glioma Cells to 1267 nm Light** **Milutin STEPIĆ**, Jelena ŽAKULA, Lela KORIĆANAC, Maja NEŠIĆ, Iva POPOVIĆ, Vanja RALIĆ, Ivana POPOVIĆ, Djordje KAPURAN, Mioljub NEŠIĆ, Anne REGNIER-VIGOROUX, Sophie GIEß, Edik RAFAILOV, Victor DREMIN, Marijana PETKOVIĆ
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027	**In vitro study of amphiphilic N-methylated tripyridiniumporphyrins with alkyl chains of different length on melanoma cell lines: impact of melanin pigment and hypoxic conditions** **Martina MUŠKOVIĆ LUKIĆ,** Martin LONČARIĆ, Ivana RATKAJ, Nela MALATESTI
028	**Investigations into the Characterisation of Emission and Detection Profiles of Cylindrical Diffuser Fibres for Interstitial Therapies** **Krishna PRASAD SUBEDI**, Maximilian AUMILLER, Adrian RÜHM, Ronald SROKA
029	**Iridium-Based Photosensitizers for ROS-Mediated Modulation of Biomolecular Condensates** **Yoojin LEE,** Mingyu PARK, Tae-Hyuk KWON
030	**Laser Cell Scratch - A new method for wound healing assays** **André KORTHAUS**, Sofia JOAQUINITO, Susana GUERREIRO, Amparo FAUSTINO, Stefen HACKBARTH
031	**Lipid nanoparticles mediated co-delivery of photosensitizers and siRNA to enhance photodynamic therapy in triple negative breast cancer** **Héloïse VINCENT**, Franceline REYNAUD, Janell KO, Miffy HOK YAN CHENG, Samir ACHERAR, Céline FROCHOT
032	**Modified Hematoporphyrin Monomethyl Ether Photodynamic Therapy for large-area Port Wine Stains: A Self-controlled Retrospective study** **Yunfeng ZHANG**, Dixin WANG, Long WEN, Linglin ZHANG, Peiru WANG, Xiuli WANG
033	**Photophysical Characterization of Ru and Os Phenazine-Based Polypyridine Complexes as Potential Photosensitizers for Photodynamic Therapy** **Mona FARHADI RODBARI**, Sven RAU
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035	**Photosensitising Fluorinated Phthalocyanine Derivatives** **Ahmed SEYİTOĞLU**, Fabienne DUMOULIN
036	**Phthalocyanines for photodynamics: design and syntheses** **Fabienne DUMOULIN**
037	**Phthalocyanines substituted with cavitands** Umit ISCI, Zeynel SAHIN, Barbara VENTURA, **Fabienne DUMOULIN**
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039	**Pyropheophorbide-a Loaded PLGA Nanoparticles for Photodynamic Therapy of Floating Lung Cancer Cells** **Sasivimon PRAMUAL**, Philippe ARNOUX, Kriengsak LIRDPRAPAMONGKOL, Céline FROCHOT, Valérie JOUAN-HUREAUX, Muriel BARBERI-HEYOB, Jisnuson SVASTI
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042	**Synthesis and Characterization of Ruthenium-Phthalocyanines for Photodynamic Therapy** **Rafaela GIMENES,** Francisco RINALDI NETO, Roberto SILVA
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045	**Theranostic nanoparticles for X-ray photodynamic therapy (X-PDT) of breast cancer: in vivo evaluation of local distribution using spectral photon-counting computed tomography (SPCCT)** **Ziyad ABERKAN,** Pia AKL, Lucie MEUNIER, Joey LABOUR, Angèle HOUMEAU, Jean-Baptiste LANGLOIS, Maria-Nicole ANTONUCCIO, Salim SI-MOHAMED, Frédéric CHAPUT, Frédéric LEROUGE, Philippe DOUEK, Alison CARRET
046	**Toward precision photoinactivation: strain-dependent blue light susceptibility in Streptococcus spp** **Michał Karol PIERAŃSKI,** Agata WOŹNIAK-PAWLIKOWSKA
047	**Tracing The Path from Photodynamic Efficiency to Sonodynamic Capability in Cyclohexene Cyanine Dyes** **Amartya SANYAL**, Arjun PRAKASH, Gary GELLERMAN
048	**X-Ray-Responsive Nanoplatform for Combined Reactive Oxygen Species and Nitric Oxide-Mediated Cancer Therapy** **Naiara BESSAS**, Roberto SILVA

049	**General anesthesia with supplemental oxygen during HMME-mediated photodynamic therapy for port wine birthmarks: efficacy and safety in a retrospective cohort** Diao PIN, Han CHENGLONG, Liu LIAN, Li XIAOXUE, Zhang LIDAN, Zhou HUI, **Jiang XIAN**
050	**Porphysome Nanoparticle-Mediated Photodynamic Immune Stimulation in Ovarian Cancer** **Breana SHEHETILA**, Carla CALCADA, Juan CHEN, Tiffany HO, Lauren PHILP, Layla PIRES, Robert WEERSINK, Brian C. WILSON, Gang ZHENG
051	**Predicting Singlet-Oxygen Quantum Yield in Photosensitizers via Novel Quantum Descriptors** **Jackson Alcázar,** Paola Compodónico