

## PROGRAMME

### 24<sup>th</sup> October afternoon - PDT School

PDT School / chaired by Céline Frochot and Didier Boucher	
14:00-14:40	<b>HISTORY AND EVOLUTION OF PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY (PD &amp; PDT): A CLINICIAN'S PERSPECTIVE</b>
OS-001	<b>Moghissi Keyvan</b> Clinical Director/Consultant Cardiothoracic Surgeon (United Kingdom)
14:40-15:20	<b>PERFECT PHOTOSENSITISERS ? MORE THAN EVER AN EXCITING CHALLENGE !</b>
OS-002	<b>Dumoulin Fabienne</b> Gebze Technical University (Turkey)
15:20-16:00	<b>BIOLOGICAL MECHANISMS OF PDT</b>
OS-003	<b>Hamblin Michael</b> Wellman Center for Photomedicine, Massachusetts General Hospital (United States)
16:00-16:30	<b>COFFEE BREAK</b>
16:30-17:10	<b>PDT LIGHT SOURCES AND PDT DEVICES: THE NECESSARY TOOLS FOR PERFORMING GOOD PHOTODYNAMIC THERAPY TREATMENTS</b>
OS-004	<b>Boucher Didier</b> PDT Services (France)
17:10-18:00	<b>PHOTOPHYSICAL PROCESSES IN PDT</b>
OS-005	<b>Nonell Santi</b> Institut Quimic de Sarria, Universitat Ramon Llull (Spain)
19: 0-21:00	<b>WELCOME RECEPTION at the Museum Aquarium of Nancy</b>

### Tuesday 25<sup>th</sup> October

8:00-8:40	Registration
Introduction	
08:40	Mordon Serge (INSERM), Frochot Céline (LRGP), Vitoux Bernard (ENSIC), Villieras Frédéric (University of Lorraine)
9:00-9:15	<b>A LIFETIME FOR PHOTOBIOLOGY, IN MEMORY OF PROF. GIULIO JORI</b>
OOp-006	<b>Kostron Herwig</b> Medical University Innsbruck (Austria)
9:15-9:30	<b>30 YEARS OF PDT IN NANCY</b>
OOp-007	<b>Guillemin François</b> Centre de Recherche en Automatique de Nancy (France), Institut Jean Godinot (France)
PDT in urology / Chaired by Patrice Jichlinski	
9:30-10:00	<b>PHOTODIAGNOSIS IN BLADDER CANCER: CLINICAL PRACTICE</b>
OU-008	<b>Jichlinski Patrice</b> CHUV-University Hospital (Switzerland)
10:00-10:30	<b>PDT TO TREAT PROSTATE CANCER: FROM BENCH TO BEDSIDE</b>
OU-009	<b>Azzouzi Abdel Rahmène</b> Angers University Hospital (France)
10:30-10:40	<b>TLD1433-MEDIATED PHOTODYNAMIC THERAPY AS A NOVEL INTRAVESICAL TREATMENT FOR BLADDER CANCER: IN VITRO, IN VIVO, AND GOOD LABORATORY PRACTICE TOXICOLOGY VALIDATION</b>
OU-010	Lazic Savo (1), Kasppler Pavel (1), Kolodzieyski Lev (2), Farrel Debra (2), Embree Wayne (1), Dumoulin White Roger (1), Mandel Arkady (1), <b>Lilge Lothar</b> (3) 1 - Theralase Inc. (Canada), 2 - ITR Labs (Canada), 3 - Department of Medical Biophysics (Canada)
10:40-10:55	<b>RECURRENT PROSTATE CANCER - VERTEPORFIN-MEDIATED PHOTODYNAMIC THERAPY WITH THE SPECTRACURE SYSTEM</b>
OU-011	<b>Swartling Johannes</b> (1), Andersson-Engels S. (2), Svanberg K. (2) 1 - SpectraCure AB (Sweden), 2 - Lund University [Lund] (Sweden)
10:55-11:20	<b>COFFEE BREAK</b>
11:20-11:30	<b>DETERMINATION OF SINGLET OXYGEN QUANTUM YIELDS USING NEAR-INFRARED LUMINESCENCE SPECTROSCOPY TO IMPROVE THE ACCURACY OF PDT DOSIMETRY WITH COMPUTER SIMULATION</b>
OU-012	<b>Honda Norihiro</b> (1, 2), Hara Keisuke (2), Hazama Hisanao (2), Okazaki Shigetoshi (3), Awazu Kunio (2, 4, 5) 1 - Institute for Academic Initiatives, Osaka University (Japan), 2 - Graduate School of Engineering, Osaka University (Japan), 3 - Preeminent Medical Photonics Education & Research Center, Hamamatsu University School of Medicine (Japan), 4 - Graduate School of Frontier Biosciences, Osaka University (Japan), 5 - The Center for Advanced Medical Engineering and Informatics, Osaka University (Japan)
PDT and devices / Chaired by Didier Bouchet	
11:30-11:40	<b>PHASE II STUDY EVALUATING THE NON-INFERIORITY OF THE DEVICE FLEXITHERALIGHT® COMPARED TO CONVENTIONAL PDT</b>
ODv-013	<b>Vicentini Claire</b> (1, 2), Tylcz Jean-Baptiste (1), Maire Cyril (2), Thecua Elise (1), Betrouni Nacim (1), Mordon Serge (1, 3), Mortier Laurent (1, 2, 3) 1 - ONCO-THAI, Lille (France), 2 - Clinic of Dermatology (France), 3 - Lille University (France)
11:40-11:50	<b>INVESTIGATION ON OPTICAL SIGNALS FOR USE IN INTERSTITIAL INTERVENTIONS</b>
ODv-014	<b>Ruehm Adrian</b> (1, 2), Stepp Herbert (1, 2), Beyer Wolfgang (1), Hermwille Maurice (1), Rudrof Julian (1), Markwardt Niklas (1,2), Scheib Gabriel (1), Aumiller Max (1, 2), Li Yik Long (1), Pongratz Thomas (1, 2), Sroka Ronald (1, 2) 1 - Laser-Forschungslabor, LIFE Center, Klinikum der Universität München (Germany), 2 - Department of Urology, Klinikum der Universität München (Germany)
11:50-12:05	<b>INNOVATIVE MEDICAL DEVICE: LIGHT EMITTING TEXTILE FOR DERMATOLOGIC TREATMENT</b>
ODv-015	<b>Boucard Nadège</b> MDB Texinov (France)
12:05-14:15	<b>LUNCH at the Pépinière Brasserie</b>



**PDT in gynaecology / Chaired by Serge Mordon**

**14:15-14:45 FOLIC ACID-TARGETED PHOTODYNAMIC THERAPY FOR PERITONEAL METASTASES OF EPITHELIAL OVARIAN CANCER**  
**OGy-016** **Azaïs Henri** (1, 2), Foucher Périne (1, 2), Bassil Alfred (1, 2), Khodja Bach Soraya (1, 2), Leroux Bertrand (2), Tylcz Jean-Baptiste (2), Frochet Céline (3), Betrouni Nacim (2), Collinet Pierre (1, 2), Mordon Serge (2)  
 1 - CHU Lille, Department of Gynecology, Lille (France), 2 - U1189 - ONCO-THAI - Image Assisted Laser Therapy for Oncology, Lille (France), 3 - Laboratoire Réactions et Génie des Procédés, Nancy (France)

**14:45-14:55 CELL DEATH MECHANISMS IN TUMORAL AND NON-TUMORAL HUMAN BREAST EPITHELIAL CELL LINES TRIGGERED BY NA-H2TCPP OR NA-ZNTCPP PHOTODYNAMIC TREATMENTS: APOPTOSIS, NECROSIS AND PARTHANATOS**

**OGy-017** **Soriano Jorge** (1), Mora-Espi Inmaculada (1), Alea María Elisa (2), Pérez-García Lluïsa (2), Barrios Leonard (1), Ibáñez Elena (1), Nogués Carme (1)  
 1 - Universitat Autònoma de Barcelona (Spain), 2 - Universitat de Barcelona (Spain)

**Antimicrobial PDT / Chaired by Mike Hamblin and Michael Wilson**

**14:55-15:25 PDT FOR VIRAL AND FUNGAL INFECTIONS**

**OA-018** **Kurachi Cristina**  
 Sao Carlos Institute of Physics (University of Sao Paulo) (Brazil)

**15:25-15:35 INGESTIBLE CAPSULE FOR MINIMALLY-INVASIVE INTRAGASTRIC PDT AGAINST HELICOBACTER PYLORI**

**OA-019** **Romano Giovanni** (1), Tortora Giuseppe (2), Orsini Barbara (3), Faraoni Paola (4), Gnerucci Alessio (4), Calusi Silvia (1), Mencias Arianna (2), Fusi Franco (1)  
 1 - Department of Clinical and Experimental Biomedical Sciences "Mario Serio", University of Florence (Italy), 2 - The BioRobotics Institute, Polo Sant'Anna Valdera, Scuola Superiore Sant'Anna (Italy), 3 - Department of Clinical and Experimental Biomedical Sciences "Mario Serio", University of Florence (Italy), 4 - Department of Clinical and Experimental Biomedical Sciences "Mario Serio", University of Florence (Italy)

**15:35-15:45 ENHANCEMENT OF PHOTOBACTERICIDAL ACTIVITY OF CHLORIN-E6 GRAFTED ON CELLULOSE NANOCRYSTALS BY COVALENT COUPLING OF POLYMYXIN B**

**OA-020** **Le Guern Florent**, Sol Vincent, Ouk Tan-Sothea, Poli Evelynne, Grenier Karine  
 Laboratoire de Chimie des Substances Naturelles, Limoges (France)

**15:45-15:55 PHOTODYNAMIC INACTIVATION OF GRAM POSITIVE AND GRAM NEGATIVE BACTERIA WITH PHTHALOCYANINES BEARING SULFONAMIDE UNITS**

**OA-021** **Nunes Da Silva Raquel** (1,2), Cunha Angela (1), Almeida Adelaide (1), Tomé Augusto C. (2)  
 1 - Centre for Environmental and Marine Studies (Portugal), 2 - Organic Chemistry, Natural Products and Food Stuffs (Portugal)

**15:55-16:10 PHOTODYNAMIC INACTIVATION OF HELICOBACTER PYLORI WITH CHLORIN E6 TRISODIUM SALT ? A NEW APPROACH AGAINST A WIDESPREAD DISEASE**

**OA-022** **Hüttenberger Dirk**, Simon Carole, Mohrbacher Christina, Betz Nina, Bauer-Marschall Ina, Stachon Axel, Foth Hans-Jochen, Giesen Thomas, Haupt Manfred  
 Apocare Pharma GmbH (Germany)

**16:10-16:40 COFFEE BREAK WITH THE SUPPORT OF APOCARE**

**16:40-17:10 MORE THAN A MICROCIBIDE ? THE MULTI-FACETED POTENTIAL OF LIGHT-ACTIVATED ANTIMICROBIAL AGENTS**

**OA-023** **Wilson Michael**  
 University College London (United Kingdom)

**17:10-17:20 A NEW STRATEGY FOR ADJUSTMENT OF IRRADIATION PARAMETERS CONCERNING THE ANTIMICROBIAL PHOTODYNAMIC EFFICACY**

**OA-024** **Cieplik Fabian** (1), Pummer Andreas (1), Wennige Sara (2), Regensburger Johannes (2), Hiller Karl-Anton (1), Spaeth Andreas (3), **Maisch Tim** (2)  
 1 - Department of Conservative Dentistry and Periodontology, University Medical Center Regensburg (Germany), 2 - Department of Dermatology, University Medical Center Regensburg (Germany), 3 - Department of Organic Chemistry, University of Regensburg (Germany)

**17:20-17:30 THE SYNERGISTIC ANTIMICROBIAL ACTIVITY OF TETRAPYRROLES AND PDT ON ANTIBIOTIC RESISTANT CLINICAL ISOLATES OF STAPH. AUREUS**

**OA-025** **Malik Zvi** (1), Iluz Nati (2), Keller Nati (2), Maor Yasmin (3)  
 1 - Bar Ilan University (Israel), 2 - Shiba Medical center (Israel), 3 - Wolfson Medical center (Israel)

**17: -19: Guided visit of Nancy**

**19:00-21:00 Cocktail in the City Hall of Nancy with the support of the French Society of Photobiology**

**Wednesday 26<sup>th</sup> October****PDT in dermatology / Chaired by Alexis Sidoroff**

**8:30-9:00 UP-TO-DATE PDT IN DERMATOLOGY**

**ODe-026** **Sidoroff Alexis**  
 Medical University of Innsbruck (Austria)

**9:00-9:30 LIGHT SOURCES FOR PDT IN DERMATOLOGY**

**ODe-027** **Hommel Theresa**, Szeimies Rolf Markus  
 Klinikum Vest Academic Teaching Hospital Ruhr-University of Bochum (Germany)

**9:30-9:40 DAYLIGHT PDT IN THE UK: AN ALGORITHM FOR ACCURATE DOSIMETRY, AND WHEN AND WHERE CAN WE DO IT?**

**ODe-028** **O'Mahoney Paul** (1), Timmins Kimberley (2), Khazova Marina (3), Higlett Michael (3), Lister Tom (4), Ibbotson Sally (1, 5), Eadie Ewan (5)  
 1 - University of Dundee (United Kingdom), 2 - University of St. Andrews (United Kingdom), 3 - Public Health England (United Kingdom), 4 - Salisbury NHS (United Kingdom), 5 - NHS Tayside (United Kingdom)

**9:40-9:50 A RANDOMIZED STUDY OF COMBINATION OF ABLATIVE FRACTIONAL LASER AND ALA-PDT FOR TREATMENT OF REFRACTORY VERRUCA PLANA**

**ODe-029** **Yin Rui**  
 Southwest Hospital, Third Military Medical University (China)

**9:50-10:00 MECHANISTIC INSIGHTS GAINED THROUGH REGRESSION ANALYSIS OF PPIX ACCUMULATION & PHOTBLEACHING DURING DERMATOLOGICAL MAL-PDT**

**ODe-030** **Curnow Alison**  
 University of Exeter Medical School (United Kingdom)

**10:00-10:15 A NANOEMULSION-BASED DRUG DELIVERY SYSTEM FOR PDT: DEVELOPMENT AND CLINICAL APPLICATION OF BF-200 ALA**

**ODe-031** **Novak Ben** (1), Dirschka T (2), Reinhold U (3), Morton C (4), Foguet M (1), Schmitz B (1), Szeimies RM (5), Lübbert H (1)  
 1 - Biofrontera (Germany), 2 - CentroDerm (Germany), 3 - Dermatology Center Bonn Friedensplatz (Germany), 4 - Stirling Community Hospital - NHS Forth Valley (United Kingdom), 5 - Klinikum Vest, Dept of Dermatology and Allergology (Germany)

**10:15-10:45 COFFEE BREAK**

**10:45-11:15 PHOTODYNAMIC ANTIFUNGAL THERAPY**


**ODe-032** **Venturini Marina**, Calzavara-Pinton Piergiacomo  
 Department of Dermatology, University of Brescia (Italy)

**11:15-11:25 OPTIMIZING LIGHT SOURCE AND LIGHT DELIVERY FOR PHOTODYNAMIC THERAPY OF PORTWINE STAIN BIRTHMARKS**

**ODe-033** **Huang Zheng** (1), Gong Wei (1), Zou Jian (1), Yuan Kaihua (2), Wang Yuzhi (2), Shi Guoliang (3)  
 1 - MOE Key Laboratory of OptoElectronic Science and Technology for Medicine, Fujian Normal University (China), 2 - Laser Plastic and Aesthetic Center, Guangzhou General Hospital of Guangzhou Military Command (China), 3 - School of Electronic and Information Engineering, Soochow University (China)

**11:25-11:35 APPLICATION OF DETECTING HPV TYPE AND LOAD IN THE PHOTODYNAMIC THERAPY OF CONDYLOMATA ACUMINATA**

**ODe-034** **Zeng Kang**  
 Nanfang Hospital, Southern Medical University (China)

11:35-11:45	A NEW FLEXIBLE AND HOMOGENEOUS DEVICE FOR PHOTODYNAMIC TREATMENT OF ACTINIC KERATOSIS
ODe-035	<b>Thecuia Elise</b> (1), Tylcz Jean-Baptiste (1), Vicentini Claire (1, 2), Mortier Laurent (1, 2), Szeimies Rolf Markus (3), Mordon Serge (1) 1 - Univ. Lille, Inserm, CHU Lille, U1189 - ONCO-THAI - Image Assisted Laser Therapy for Oncology (France), 2 - Department of Dermatology, CHU Lille (France), 3 - Department of Dermatology & Allergology (Germany)
11:45-11:55	ALA-PDT EFFECT ON THE BIOLOGICAL CHARACTERISTICS OF HUMAN SZ95 SEBOCYTES
ODe-036	<b>Xiang Leihong</b> , Tuo Jiang Huashan Hospital, Shanghai Medical College, Fudan University (China)
11:55-14:00	POSTERS AND LUNCH WITH THE SUPPORT OF CONCORDIA
	
<b>PDT in neurosurgery / Chaired by Herbert Stepp</b>	
14:00-14:30	5 ALA-PDT IN NEUROSURGERY
ON-037	<b>Schroeteler Juliane</b> , Woelfer Johannes, Schipmann Stephanie, Stummer Walter 1 - Neurochirurgische Klinik Uniklinik Muenster (Germany)
14:30-15:00	INTRA-OPERATIVE BRAIN TUMOR IMAGING
ON-038	<b>Stepp Herbert</b> (1), Sroka Ronald (1), Rühm Adrian (1), Markwardt Niklas (1), Stummer Walter (2) 1 - LIFE-Zentrum, Klinikum der Universität München (Germany), 2 - Universitätsklinikum Münster (Germany)
15:00-15:10	ANALYSIS OF 5-ALA INDUCED FLUORESCENCE IN BRAIN METASTASES AND SURROUNDING BRAIN TISSUE
ON-039	<b>Mercea Petra</b> (1), Kiesel Barbara (1), Mischkulnig Mario (1), Millesi Matthias (1), Berghoff Anna (2), Wöhrer Adelheid (3), Wolfsberger Stefan (1), Ungersboeck Karl (4), Knosp Engelbert (1), Preusser Matthias (2), Marhold Franz (4), Widhalm Georg (1) 1 - Department of Neurosurgery, Medical University Vienna (Austria), 2 - Department of Medicine I, Medical University Vienna (Austria), 3 - Institute of Neurology, Medical University Vienna (Austria), 4 - Department of Neurosurgery, University Hospital St. Poelten (Austria)
15:10-15:20	USE OF DIFFUSION MR IMAGING AND PROTON MR SPECTROSCOPY IMAGING MONITORING TO PREDICT TUMOR RESPONSE TO INTERSTITIAL PHOTODYNAMIC THERAPY FOR GLIOBLASTOMA
ON-040	<b>Toussaint Magali</b> (1), Auger Florent (2), Pinel Sophie (1), Thomassin Magali (1), Thomas Eloïse (5), Tylcz Jean-Baptiste (3), Arnoux Philippe (4), Tillement Olivier (5), Lux François (5), Frochet Céline (4), Barberi-Heyob Muriel (1) 1 - CRAN UMR 7039, CNRS, Université de Lorraine, Vandoeuvre-lès-Nancy (France), 2 - Plateforme d'imagerie du vivant - Plateau Préclinique, Lille, (France) 3 - ONCO-THAI U 1189, Lille (France), 4 - LRGP CNRS-UMR 7274, Université de Lorraine, Nancy (France), 5 - ILM UMR 5306 CNRS, Université Claude Bernard, Lyon (France)
15:20-15:30	SET-UP OF THE FIRST PILOT STUDY ON INTRAOPERATIVE 5-ALA PDT: INDYGO TRIAL
ON-041	<b>Vermandel Maximilien</b> , Dupont Clément, Quidet Mathilde, Lecomte Fabienne, Lerhun Emilie, Mordon Serge, Betrouni Nacim, Reyns Nicolas Univ. Lille, Inserm, CHU Lille, U1189 - ONCO-THAI - Image Assisted Laser Therapy for Oncology, F-59000 Lille, France (France)
<b>PDT in chemistry / Chaired by Fabienne Dumoulin and David Russell</b>	
15:30-16:00	TOOKAD® SOLUBLE VTP: FROM LOCAL TUMOR ABLATION TO SYSTEMIC CANCER CONTROL
OC-042	<b>Scherz Avigdor</b> , Salomon Yoram, Coleman Jonathan Weizmann Institute of Science (Israel)
16:00-16:30	TOPICAL DELIVERY OF PHOTOSENSITISERS : INNOVATIONS, LIMITATIONS AND NOVEL DELIVERY APPROACHES
OC-043	<b>Mc Crudden Maeliosa</b> , Donnelly Ryan School of Pharmacy, Queen's University Belfast (United Kingdom)
16:30-17:00	COFFEE BREAK WITH THE SUPPORT OF THE FRENCH CHEMICAL SOCIETY
	
17:00-17:10	RU(II) POLYPYRIDYL COMPLEXES AS PHOTOSENSITISERS IN (TWO-PHOTON EXCITATION) PHOTODYNAMIC THERAPY
OC-044	<b>Mari Cristina</b> , Huang Huaiyi, Frei Angelo, Rubbiani Riccardo, Pierroz Vanessa, Patra Malay, Ferrari Stefano, Chao Hui, <b>Gasser Gilles</b> University of Zurich (Switzerland)
17:10-17:20	RUTHENIUM(II) AND IRIIDIUM(III) BASED EDIFICES AS LINEAR AND TWO-PHOTON SENSITISERS
OC-045	<b>Chevreaux Sylviane</b> (1), Truillet Charles (2), Mongin Olivier (3), Boreham Elizabeth (4), Jones Lucy (4), Blanchard-Desce Mireille (5), Tillement Olivier (2), Lux François (2), Natrajan Louise (4), <b>Lemercier Gilles</b> (1) 1 - Reims Champagne-Ardenne Univ., ICMR UMR CNRS 7312 (France), 2 - Institut Lumière-Matière, Univ. Lyon, Equipe Fennec (France), 3 - Univ. Rennes 1, UMR CNRS 6226 Institut des Sciences Chimiques de Rennes (France), 4 - School of Chemistry, Univ. of Manchester (United Kingdom), 5 - Institut des Sciences Moléculaires, CNRS CNRS 5255, Univ. Bordeaux (France)
17:20-17:30	POLYMERIC SELF-ASSEMBLIES FOR PHOTODYNAMIC THERAPY: A CRITICAL APPROACH
OC-046	<b>Till Ugo</b> (1, 2), Gibot Laure (3), Mingotaud Anne-Françoise (1), Mingotaud Christophe (1), Vicendo Patricia (1), Violleau Frédéric (2), Gaucher Mireille (2), Rols Marie-Pierre (4) 1 - Interactions moléculaires et réactivité chimique et photochimique (France), 2 - El Purpan (France), 3 - Institut de Pharmacologie et de Biologie Structurale (France), 4 - Institut de pharmacologie et de biologie structurale (France)
17:30-17:40	FUNCTIONALIZED MESOPOROUS SILICA NANOPARTICLES FOR ONE AND TWO-PHOTON PHOTODYNAMIC THERAPY
OC-047	<b>Raehm Laurence</b> (1), Durand Jean-Olivier (1), Maillard Philippe (3), Blanchard-Desce Mireille (4), Gary-Bobo Magali (2), Morere Alain (2), Garcia Marcel (2) 1 - Institut Charles Gerhardt Montpellier, UMR 5253 CNRS-UM-ENSCM (France), 2 - Institut des Biomolécules Max Mousseron, UMR 5247 CNRS, Université de Montpellier (France), 3 - Institut Curie, CNRS UMR 176 (France), 4 - Université de Bordeaux, Institut des Sciences Moléculaires, UMR CNRS 5255 (France),
17:40-17:50	CHEMICAL MODIFICATIONS OF TETRAPYRROLE AND CARBOCYANINE SCAFFOLDS: ON THE ROAD TO OPTIMIZED ANTITUMOR PHOTOSENSITISERS
OC-048	<b>Shtil Alexander</b> (1), Ol'Shevskaya Valentina (2), Zaitsev Andrei (2), Radchenko Alexandra (3), Petrova Albina (1), Markova Alina (2), Miyoshi Norio (4), Borissevitch Iuri (5), Kuzmin Vladimir (3) 1 - Blokhin Cancer Center (Russia), 2 - Nesmeyanov Institute of Organoelement Compounds RAS (Russia), 3 - Emanuel Institute of Biochemical Physics RAS (Russia), 4 - University of Fukui (Japan), 5 - University of Sao Paolo (Brazil)
17:50-18:00	TRAVERSING THE CHALLENGES OF EXTENDED CONJUGATION: BACTERIOCHLORINS AND AZA-BODIPYS, A NEW ERA IN PHOTOMEDICINE
OC-049	<b>Cheng Miffy</b> , Boyle Ross University of Hull (UNITED KINGDOM) (United Kingdom)
18:00-18:10	EFFECTS OF LOW POWER PDT AND PDT COMBINED WITH 5'AZA DEOXYCYTIDE IN A MURINE PRIMARY BREAST CANCER MODEL
OC-050	<b>Banerjee Shramana</b> (1, 2), El-Sheikh Soha (2), Hamoudi Rifat (1), Nunez Pilar (1), Parker Sweta (2), Neal Mark (1), MacRobert Alexander (1), Keshtgar Mohammed (1, 2) 1 - University College London - London's Global University (United Kingdom), 2 - Royal Free London NHS foundation Trust, United Kingdom (United Kingdom)
18:10-18:20	PHOTOCHEMICAL INTERNALIZATION IN BLADDER CANCER - DEVELOPMENT OF AN ORTHOTOPIC IN VIVO MODEL
OC-051	<b>Gederaas Odrun</b> (1), Johnsson Anders (2), Berg Kristian (3), Manandhar Rojlina (1), Shrestha Chetana (1), Skare Daniel (2), Kinn Ekroll Ingvild (4), Hogset Anders (5), Hjelde Astrid (4) 1 - Department of Cancer Research and Molecular Medicine, NTNU (Norway), 2 - Department of Physics, NTNU (Norway), 3 - Department of Radiation Biology - Institute for Cancer Research - The Norwegian Radium Hospital (Norway), 4 - Department of Circulation and Medical Imaging - NTNU (Norway), 5 - PCI Biotech AS (Norway)

18:20-18:30	PHOTOSENSITIZER LOADED POLYMER-LIPID-PEG NANOPARTICLES; PREPARATION, CHARACTERIZATION, PHOTOPHYSICAL PROPERTIES AND IN VITRO EVALUATIONS
OC-052	<b>Pramual Sasivimon</b> (1), Lirdprapamongkol Kriengsak (2), Svasti Jisnuson (2), Bergkvist Magnus (3), Arnoux Philippe (4), Frochot Céline (4), Jouan-Hureaux Valérie (5), Barberi-Heyob Muriel (5), Niamsiri Nuttawee (1) 1 - Department of Biotechnology, Faculty of Science, Mahidol University (Thailand), 2 - Laboratory of Biochemistry, Chulabhorn Research Institute (Thailand), 3 - College of Nanoscale Science and Engineering, SUNY Polytechnic Institute (United States), 4 - Laboratoire Réactions et Génie des Procédés, UMR-CNRS 7274, Université de Lorraine (France), 5 - Centre de Recherche en Automatique de Nancy, UMR-CNRS 7039, Université de Lorraine (France)
18:30-18:40	MODIFICATION OF KDKPPR PEPTIDE THROUGH ALANINE-SCANNING TECHNIQUE TO INVESTIGATE THE EFFECT ON ITS BINDING ON NEUROFILIN-1 RECEPTOR FOR PHOTODYNAMIC THERAPY (PDT) APPLICATION
OC-053	<b>Mohd Gazzali Amirah</b> (1, 2), Boura Cédric (3), Peterlini Thibaut (3), Colombeau Ludovic (4), Acherar Samir (1), Frochot Céline (4), Vanderesse Régis (1) 1 - Laboratoire de Chimie Physique Macromoléculaire (CNRS UMR 7375) (France), 2 - School of Pharmaceutical Sciences (Malaysia), 3 - Centre de Recherche en Automatique de Nancy (CNRS UMR 7039) (France), 4 - Laboratoire Réactions et Génie des Procédés (CNRS UMR 7274) (France)

### Thursday 27<sup>th</sup> October

<b>PDT in gastroenterology / Chaired by Keith Cengel</b>	
8:30-9:30	IMAGE GUIDED PDT FOR BARRETT ESOPHAGUS AND ESOPHAGEAL CARCINOMA PDT FOR CHOLANGIOCARCINOMA PDT FOR CANCER OF THE PANCREAS - THE STORY SO FAR
OGa-054/055/056	<b>Wolfsen Herbert</b> (1), <b>Hemminge Lois</b> (1), <b>Bown Steve</b> (2) 1 - Mayo Clinic (United States), 2 - Faculty of Medical Sciences (UK)

<b>9:30-10:00 PHOTO-CHEMICAL INTERNALIZATION (PCI) OF GEMCITABINE AND CHEMOTHERAPY FOR THE TREATMENT OF CHOLANGIOCARCINOMAS - FROM LAB BENCH TO BEDSIDE</b>	
OGa-057	<b>Selbo Pal Kristian</b> (1), Finnesand L. (2), Ekholt K. (1), Berg K. (2), Hogset A. (3), Sturgess R. (3) 1 - Department of Radiation Biology - Institute for Cancer Research - Norwegian Radium Hospital (Norway), 2 - PCI Biotech AS (Norway), 3 - University Hospital Aintree (United Kingdom)

<b>10:00-10:10 PHOTO-CHEMICAL INTERNALISATION AS A NEW STRATEGY TO ENHANCE THE EFFICACY OF PANCREATIC CANCER CHEMOTHERAPY</b>	
OGa-058	<b>Acedo-Nunez Pilar</b> (1), Pereira Stephen (2), Loizidou Marilena (1), Macrobert Alexander John (1) 1 - University College London. Division of Surgery and Interventional Science, Royal Free Campus (United Kingdom), 2 - University College London. Institute for Liver and Digestive Health, Royal Free Campus (United Kingdom)

<b>10:10-10:20 RECAPITULATING THE PANCREATIC CANCER MICROENVIRONMENT IN A THREE-DIMENSIONAL HETEROCELLULAR CULTURE MODEL TO INNOVATE PHOTODYNAMIC THERAPY</b>	
OGa-059	<b>Broekgaarden Mans</b> (1, 2), Anbil S. (1), Bulin A-L. (1), Goruppi S. (2), G. P. Dotto (2), Rizvi I. (1), Hasan T. (1) 1 - Harvard Medical School (United States), 2 - Massachusetts General Hospital (United States)

10:20-10:40	COFFEE BREAK
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<b>PDT in pneumology / Chaired by Harubumin Kato</b>	
10:40-11:10	REVIEW OF PDT FOR LUNG CANCER AND FUTURE
OP-060	<b>Kato Harubumi</b> (1), Kato Yasufumi (2), Yoneyama Remi (1), Ishikawa Rinako (1), Kojika Masakazu (1), Miyajima Kuniharu (1), Takizawa Nobuhiko (1), Furukawa Kinya (2) 1 - Dept. of Thoracic Surgery, Niizashiki Central General Hospital (Japan), 2 - Dept. of Thoracic Surgery, Tokyo Medical University Ibaraki Medical Center (Japan)

<b>11:10-11:40 SURGERY AND INTRAOPERATIVE PHOTODYNAMIC THERAPY FOR THORACIC MALIGNANCIES</b>	
OP-061	<b>Cengel Keith A.</b> (1), Busch Theresa M. (1), Albelda Steve (1), Friedberg Joseph (2), Singhal Sunil (1), Simone Charles B. (2) 1 - University of Pennsylvania, Departments of Radiation Oncology, Medicine and Surgery (United States), 2 - University of Maryland, Departments of Radiation Oncology and Surgery (United States)

<b>PDT in immunology / Chaired by Sandra Gollnick and Gal Shafirstein</b>	
11:40-12:10	PHOTODYNAMIC THERAPY: IMMUNOLOGY AND CLINICAL ONCOLOGY
OI-062	<b>Allison Ron</b> 21 <sup>st</sup> Century Oncology, Editor in Chief, Elsevier Journal Photodiagnosis and Photodynamic Therapy (United States)

<b>12:10-12:40 ENHANCEMENT OF ANTI-TUMOR IMMUNITY BY PDT : MECHANISMS AND EXPLOTATION</b>	
OI-063	<b>Gollnick Sandra</b> Roswell Park Cancer Institute (United States)

<b>12:40-12:50 THE IMPACT OF PHOTODYNAMIC-IMMUNOTHERAPY ON THE ANTITUMOR IMMUNITY: LOCAL EFFECTS AND SYSTEMIC CONSEQUENCES</b>	
OI-064	<b>Dabrowski Janusz</b> (1), Pucelik B. (1), Rocha L. B. (2), Pereira M.M. (3), Arnaut L. G. (2,3) 1 - Faculty of Chemistry, Jagiellonian University, Krakow (Poland), 2 - Luzitin SA, Coimbra (Portugal), 3 - Chemistry Department, University of Coimbra (Portugal)

<b>12:50-13:00 IMMUNE SYSTEM STIMULATION IN TUMOURS TREATED WITH LIGHT-BASED THERAPIES</b>	
OI-065	<b>Martinez De Pinillos Alejandra</b> (1, 2), Macrobert Alexander (2), Hamblin Michael (1, 3, 4), Hamoudi Rifat (2) 1 - The Wellman Center for Photomedicine (United States), 2 - University College London (United Kingdom), 3 - Harvard-MIT Division of Health Sciences and Technology (United States), 4 - Department of Dermatology, Harvard Medical School (United States)

13:00-14:30	FREE LUNCH
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<b>Other aspects of PDT / Chaired by Tayyaba Hasan and Santi Nonell</b>	
14:30-15:00	CURRENT COMMERCIAL AND REGULATORY STATUS OF PHOTODYNAMIC THERAPY AND DIAGNOSIS
OOa-066	<b>Kuusiluoma Sampsa</b> , Orsila S. , Uusimaa P. 1 - Modulight, Inc. (Finland)

<b>15:00-15:30 PORPHYROME NANOTECHNOLOGY FOR IMAGE-GUIDED PHOTOTHERAPY</b>	
OOa-067	<b>Zheng Gang</b> (1, 2) 1 - Princess Margaret Cancer Centre (Canada), 2 - Department of Medical Biophysics, University of Toronto (Canada)

<b>15:30-16:00 PHOTODYNAMIC THERAPY AS A UNIQUE ENABLER OF SPATIOTEMPORALLY SYNCHRONIZED CANCER COMBINATION THERAPIES</b>	
OOa-068	<b>Hasan Tayyaba</b> Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Health Sciences and Technology, Harvard University and Massachusetts Institute of Technology (United States)

<b>16:00-16:30 PDT DOSIMETRY</b>	
OOa-069	<b>Ben Soltana Wael</b> (1), Munck Camille (1, 2), Baert Grégory (1), <b>Mordon Serge</b> (1), Betrouni Nacim (1) 1 - ONCO-THAI, Lille (France), 2 - Hôpital Calmette, CHRU de Lille, Lille (France)

16:30-16:50	COFFEE BREAK
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<b>16:50-17:20 PHOTODIAGNOSIS-UPDATE</b>	
OOa-070	<b>Sieron Aleksander</b> (1), Kawczyk-Krupka Aleksandra (1), Latos Wojciech (2), Kwiatek Sebastian (2), Kwiatek Beata (2) 1 - School of Medicine and Dentistry in Zabrze, Medical University of Silesia in Katowice, Department of Internal Diseases, Angiology and Physical Medicine, Center for Laser Diagnostics and Therapy (Poland), 2 - Department of Internal Diseases, Angiology and Physical Medicine, Center for Laser Diagnostics and Therapy, Specialist Hospital No 2 (Poland)

17:20-17:30	<b>A NEW DISPLAY INSPIRED BY GAMES TO SHOW WHAT YOU LIKE OR DON'T LIKE IN PDT</b>
<b>OOa-071</b>	<b>Goria Stéphane</b> (1), Frochot Céline (2), Anne Valentine (3), Boninsegna Cléo (4), Landon Juliette (5), Mordon Serge (6), Vicentini Claire (6) 1 - Centre de Recherche sur les Médiations (France), 2 - Laboratoire Réactions et Génie des Procédés (France), 3 - Hôpitaux privés de Metz (France), 4 - Université de Lorraine (France), 5 - Université de Nice Sophia-Antipolis (France), 6 - Univ. Lille, Inserm, CHU Lille, U1189 - ONCO-THAI - Image Assisted Laser Therapy for Oncology, Lille (France)
17:30-17:40	<b>PROMOTION OF PROTOPORPHYRIN IX (PPIX) ACCUMULATION BY RAS/MEK INHIBITION IN VITRO AND IN VIVO</b>
<b>OOa-072</b>	<b>Hirasawa Ken</b> , Yoshioka Ema, Shankar Chelakkot Vipin, Derwish Leena Memorial University of Newfoundland (Canada)
17:40-17:50	<b>ELECTROPORATION, SONOPORATION AND NANOCARRIERS AS EFFECTIVE METHODS IN THE ENHANCEMENT OF PHOTODYNAMIC REACTION IN VITRO</b>
<b>OOa-073</b>	<b>Kulbacka Julita</b> (1), Kotulska Malgorzata (2), Tamosiunas Mindaugas (3), Wilk Kazimiera Anna (4), Choromanska Anna (5) 1 - Wroclaw Medical University (Poland), 2 - Department of Biomedical Engineering, Faculty of Fundamental Problems of Technology, Wroclaw University of Science and Technology (Poland), 3 - Biophysical Research group, Faculty of Natural Sciences, Vytautas Magnus University (Lithuania), 4 - Department of Organic and Pharmaceutical Technology, Faculty of Chemistry, Wroclaw University of Science and Technology (Poland), 5 - Wroclaw Medical University, Department of Medical Biochemistry (Poland)
17:50-18:00	<b>INFLUENCE OF THE PROTOPORPHYRIN IX PHOTOPRODUCTS ON TISSUE OXYGENATION MEASUREMENTS PERFORMED BY TIME-RESOLVED DELAYED FLUORESCENCE SPECTROSCOPY IN VIVO</b>
<b>OOa-074</b>	<b>Wagnières Georges</b> (1), Huntosova V. (1, 2), Gerelli E. (2), Zellweger M. (2) 1 - Center for Interdisciplinary Biosciences, Faculty of Science, P. J. Safarik University (Slovak Republic), 2 - Laboratory of Organometallic and Medicinal Chemistry, Institute of Chemical Sciences and Engineering, Swiss Federal Institute of Technology in Lausanne (EPFL) (Switzerland)
18:00-18:10	<b>PHOTODYNAMIC THERAPY WITH REDAPORFIN INDUCES ER STRESS AND IMMUNOGENIC CELL DEATH</b>
<b>OOa-075</b>	<b>Silva Ligia</b> (1, 2, 3, 4, 5), Bezu Lucilla (2, 3, 4, 5, 6), Sauvat Allan (2, 3, 4, 5), Zhou Heng (2, 3, 4, 5, 6), Durand Sylvère (2, 3, 4, 5), Pierron Gérard (5), Kepp Oliver (2, 3, 4, 5), Arnaut Luis (1), Kroemer Guido (2, 3, 4, 5, 7, 8) 1 - Department of Chemistry, University of Coimbra (Portugal), 2 - Université Paris Sud (France), 3 - Sorbonne Paris Cité (France), 4 - Centre de Recherche des Cordeliers (France), 5 - Institut Gustave Roussy (France), 6 - Université Pierre et Marie Curie (France), 7 - Karolinska Institutet (Sweden), 8 - Hôpital Européen Georges Pompidou (France)
18:10-18:20	<b>LIGHT-INDUCED APOPTOSIS IN CANCER CELLS BY A TETRAPYRIDYL RUTHENIUM PRODRUG OFFERING TWO TRANS COORDINATION SITES</b>
<b>OOa-076</b>	<b>Bonnet Sylvestre</b> (1), Van Rixel V.h.s (1), Siewert B. (1), Askes S.h.c (1), Siegler M.a. (2) 1 - Leiden University (Netherlands), 2 - John Hopkins University (United States)
20:00-00:00	Gala dinner at the Centre Prouvé with the support of Spectracure



## Friday 28<sup>th</sup> October

### PDT in ophthalmology / Chaired by Carole Thomas

9:00-9:30	<b>PDT TO TREAT RETINOBLASTOMA</b>
<b>OOp-077</b>	<b>Thomas Carole</b> (1), Lupu Mihaela (1), Poyer Florent (1), Maillard Philippe (1), Chauvin Benoît (1, 2) 1 - Chimie, Modélisation et Imagerie pour la Biologie, Paris (France), 2 - Clinical Pharmacology Department, Paris (France)
9:30-9:40	<b>CELLULAR UPTAKE AND PHOTOTOXICITY OF GLYCOCONJUGATED TETRAPHENYLPORPHYRINS USABLE IN PDT OF RETINOBLASTOMA</b>
<b>OOp-078</b>	<b>Rosilio Véronique</b> (1), Daghildjian K. (1), Michel J.-P. (1), Kasselouri A. (2), Poyer F. (3), Maillard P. (3) 1 - Institut Galien Paris Sud, UMR 8612, CNRS-Univ. Paris-Sud, Châtenay-Malabry (France), 2 - Lip(Sys), FKA EA4041, Univ. Paris-Sud, Châtenay-Malabry (France), 3 - Institut Curie, CNRS-UMR 9187 CNRS-U 1196 INSERM, Univ Paris-Sud, Orsay (France)

### PDT in head and neck cancer / Chaired by Colin Hopper

9:40-10:10	<b>UP TO DATE IN HEAD AND NECK CANCER</b>
<b>OH-079</b>	<b>Hopper Colin</b> UCL Eastman (United Kingdom)
10:10-10:40	<b>PDT OF HEAD AND NECK CANCER WITH REDAPORFIN</b>
<b>OH-080</b>	<b>Arnaut Luis</b> (1), Pereira M. M. (1), Simões S. (2,3), Almeida L. (2), Dabrowski J. D. (4), Schaberle F. A. (2) 1 - Chemistry Department, University of Coimbra, Coimbra (Portugal), 2 - Luzitin SA, Ed. Bluepharma, Coimbra (Portugal), 3 - Bluepharma SA, S. Martinho do Bispo, Coimbra (Portugal), 4 - Faculty of Chemistry, Jagiellonian University, Kraków (Poland)
10:40-11:10	<b>COFFEE BREAK</b>
11:10-11:40	<b>ADVANCEMENTS IN TREATMENT PLANNING OF INTERSTITIAL PHOTODYNAMIC THERAPY FOR HEAD AND NECK CANCER</b>
<b>OH-081</b>	<b>Shafirstein Gal</b> , Oakley Emily, Bellnier David, Wrazen Brian, Hutson Alan Roswell Park Cancer Institute (United States)
11:40-11:50	<b>OPTIMIZING THE PHOTODYNAMIC THERAPY TREATMENT APPROACH FOR RECURRENT MAXILLA, SINONASAL AND ANTERIOR SKULL BASE MALIGNANCIES</b>
<b>OH-082</b>	<b>Karakullukcu Baris</b> (1), Van Doeveren Tessa (1), Van Veen Robert (1), Van Der Boom Ferrie (1), Smolic Milena (1), Van Mourik Anke (1), Tan Bing (1, 2) 1 - Netherlands Cancer Institute / Antoni van Leeuwenhoek Ziekenhuis (Netherlands), 2 - Maastricht University (Netherlands)
11:50-12:00	<b>THE USE OF PHOTODYNAMIC THERAPY AS ADJUVANT THERAPY TO SURGERY IN RECURRENT MALIGNANT TUMORS OF THE PARANASAL SINUSES</b>
<b>OH-083</b>	<b>Tan Bing</b> (1, 2), Van Doeveren Tessa (1), Caesar Lisa (1), Van Veen Robert (1), Karakullukcu Baris (1) 1 - Netherlands Cancer Institute / Antoni van Leeuwenhoek Ziekenhuis (Netherlands), 2 - Maastricht University (Netherlands)
12:00-12:10	<b>PDT WITH CETUXIMAB-IR700DX IN HEAD AND NECK CANCER CELL LINES</b>
<b>OH-084</b>	<b>Peng Wei</b> (1), De Bruijn H.s. (2), Farrell E. (3), Van Dam G.m (4), Witjes M.j (1), Robinson D.j. (2) 1 - Department of Oral & Maxillofacial Surgery, University of Groningen, University Medical Center Groningen (Netherlands), 2 - Department of Otorhinolaryngology & Head and Neck Surgery, Center for Optical Diagnostics and Therapy, Erasmus Medical Center (Netherlands), 3 - Department of Oral and Maxillofacial Surgery, Special Dental Care and Orthodontics, Erasmus Medical Center (Netherlands), 4 - Department of Surgical Oncology, University of Groningen, University Medical Center Groningen (Netherlands)
12:10-12:30	<b>CONCLUDING REMARKS - NO LUNCH</b>