

I. FOCUS ON THE DIFFERENT SESSIONS

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PDT-PDD 2022: PRESENTATION INSTRUCTIONS

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.

Video



- Video format are 3 to 5 minutes long, demonstrating a technique, experiment or treatment protocol. Please note that video format must not be promotional.
- Your presentation must be in English, saved as .MP4, .MPEG, .AVI or .MOV file on a USB key.

PDT SCHOOL 2022: SCHEDULE

GENERAL PUBLIC CONFERENCE: SCHEDULE

WELCOME RECEPTION: SCHEDULE



AUDITORIUM A

Course	Monday, October 24th (14:00 – 18:00)	
REGISTRATION 13:00 – 14:00		
C1 14:00	45'	Photosensitizers in PDT Gilles GASSER
Short break (14:45 – 15:00)		
C2 15:00	45'	Biological mechanisms of PDT Kristian BERG
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 Gal SHAFIRSTEIN



GENERAL PUBLIC CONFERENCE
WELCOME RECEPTION

SCHEDULE

General public conference - Monday, October 24th (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**, Former director of the INSERM Onco-Thai unit in Lille

Welcome reception - Monday, October 24th (18:45 – 21:00) – Opera of Nancy

Choir “Les Quatre Vents”
Words of welcome

S1

ORAL SESSION

SESSION 1: Photosensitizers and nanoparticles

S.1 – part 1		Tuesday, October 25 th (09:00 – 11:00) Chairwoman: Valérie HEITZ
Invited 1 09:00	25'	Near-Infrared Photodynamic therapy with π-Extended Porphyrins Valérie HEITZ <i>Department of Chemistry, University of Strasbourg, France</i>
Invited 2 09:25	25'	Porphyrin-phospholipid liposomes and chemophototherapy Jonathan LOVELL <i>Department of Biomedical Engineering, University of Buffalo, NY, USA</i>
Com. 1 09:50	10'	Development of Functional Polymers Targeting Tumor-Associated Amino Acid Transporters for Photosensitizer Delivery Yan Ming VOON, Haochen GUO, Takahiro NOMOTO and Nobuhiro NISHIYAMA
Com. 2 10:00	10'	Photodynamic Therapy with PLGA-Lipid Hybrid Nanoparticles to Overcome the Diverse Mechanisms of Multidrug Resistance in Lung Cancer Cells Sasivimon PRAMUAL, Kriengsak LIRDPRAPAMONGKOL, Valérie JOUAN-HUREAUX, Muriel BARBERI-HEYOB, Céline FROCHOT, Jisnuson SVASTI and Nuttawee NIAMSIR
Com. 3 10:10	10'	Towards Selective Delivery of Novel Metal-Based Photosensitizers for Anticancer Photodynamic Therapy Gilles GASSER

Com. 4 10:20	10'	LXD191 is a novel, triple-action photosensitizer-histone deacetylase targeting inhibitor drug-drug conjugate: efficient and selective killing of human oral cancer cells and animal tissue upon irradiation Cole SIMS, David CHISHOLM, Joshua HUGHES, Candace ADAMS, Daniel CALLAGHAN, Andrew WHITING and Carrie AMBLER
Com. 5 10:30	10'	Zinc Phthalocyanine loaded polymeric micelles for photodynamic therapy Bárbara MESQUITA, Cèlia MASDEU, Arunika SIGH, Michal HEGER, Cornelus F. VAN NOSTRUM and Sabrina OLIVEIRA
Com. 6 10:40	10'	Metal-Organic Frameworks as Phototherapeutic Systems for Antimicrobial Treatment Zhihao YU, Theotim LUCAS, Heng ZHAO, Florence GAZEAU, Mathilde LEPOITEVIN and Christian SERRE
Com. 7 10:50	10'	Prospects of Ruthenium(II) Polypyridyl Complexes for Application in Cystic Fibrosis Lung Airways: Influence of Environmental Conditions in Antimicrobial Photodynamic Therapy Raphaëlle YOUF, Adeel NASIR, Mareike MÜLLER, Franck THETIOT, Tanguy HAUTE, Rosy GHANEM, Ali BALASINI, Ulrich JONAS, Holger SCHÖNHERR, Gilles LEMERCIER, Tristan MONTIER and Tony Le GALL
Coffee break (11:00 – 11:20)		

S.1 - part 2	Tuesday, October 25th (11:20 – 12:10) Chairman: Jonathan LOVELL	
Com. 8 11:20	10'	Structure-function analysis of Squaraines phototherapeutic activity: in vitro characterization of ROS and intracellular Ca²⁺ signals interplay in phototoxicity Giorgia CHINIGÒ, Carlotta PONTREMOLI, Alessandra GILARDINO, Elisa ECCHER, Ettore SANSONE, Maria Jesus Moran PLATA, Sonja VISENTIN, Claudia BARTOLO, Nadia BARBERO and Alessandra FIORIO PLA
Com. 9 11:30	10'	Nanoliposomes for Photodynamic Drug Delivery: A Multifaceted Approach to Overcome Chemoresistance in Pancreatic Cancer Mans BROEKGAARDEN, Tristan LE CLAINCHE, Nazareth CARIGGA GUTIERREZ, Núria PUJOL-SOLÉ, Malika KADRI, Chanda BHANDARI, Girgis OBAID and Jean-Luc COLL
Com. 10 11:40	10'	Polymethine dyes incorporated in PLGA nanoparticles: New nanophotosensitizers with potential application in antimicrobial PDT Degnet DEREJE, Carlotta PONTREMOLI, Claudia BAROLO, Sonja VISENTIN, Isabel IZQUIERDO-BARBA, Blanca GONZÁLEZ, Ana GARCÍA, Montserrat COLILLA, María VALLET-REGÍ and Nadia BARBERO
Com. 11 11:50	10'	Imaging Guided PTT-PDT Combination Therapy of Prostate Cancer Utilizing Ag₂S-Fe₃O₄ Hybrid Nanoparticles and 5-ALA Eda CELIKBAS, Irem KOC, Kubra ONBASLI and Havva YAGCI ACAR
Lunch in restaurant (12:10 – 14:00)		
S.1 - part 3	Thursday, October 27th (14:00 – 14:40) Chairman: Gilles GASSER	

Com. 41 14:00	10'	Enhancing Therapeutic Effects of Photodynamic Therapy with 5-Aminolevulinic Acid Using Polymeric Iron Chelators Haochen GUO, Takahiro NOMOTO, Kana KOMOTO, Tomoya NAGANO, Takuya ISHII, Yuto HONDA, Shun-ichiro OGURA, Masahiro ISHIZUKA and Nobuhiro NISHIYAMA
Com. 42 14:10	10'	Fullerenes (C60, C70) as photosensitizers for PDT Yoko YAMAKOSHI, Safwan AROUA and Yue MA
Com. 43 14:20	10'	Periodic Mesoporous Ionosilica Nanoparticles: Versatile Nano-objects for Imaging, Photodynamic Therapy, Drug Delivery and siRNA Gene Silencing Degnet Braham MEZGHRANI, Lamiaa ALI, Peter HESEMANN, Jean-Olivier DURAND and Nadir BETTACHE
Com. 44 14:30	10'	Photosensitizer Delivery with Functional polymers exerting pH-responsive isothermal phase Takahiro NOMOTO, Sjaikhurrizal EI MUTTAQIEN and Nobuhiro NISHIYAMA

S2

ORAL SESSION

SESSION 2: Antimicrobial PDT

S.2 – part 1	Tuesday, October 25th (14:00 – 14:50) Chairwoman: Cristina KURACHI	
Invited 1 14:00	25'	Strategies to improve PDT inactivation response in biofilms Cristina KURACHI¹ , Fernanda ALVES, Maria Julia de Arruda Mazzotti MARQUES <i>1. Institute of Physics, University of São Paulo, Brazil</i>
Invited 2 14:25	25'	Photodynamic therapy in Brazil: From cancer treatment to Infection control Vanderlei Salvador BAGNATO <i>Institute of Physics, University of São Paulo, Brazil</i>
4 industrial talks (14:50 – 15:10)		
Short presentation of selected posters (15:10 – 15:20)		
Invited 3 15:20	25'	PDT: Strengths - Weaknesses - Opportunities – Threats Colin HOPPER <i>Associate clinical professor UCL Eastman/ hon consultant UCLH Oral and Maxillofacial Surgery, London, UK</i>
Debate (15:45 – 16:00)		
Coffee break (16:00 – 16:20)		

S.2 – part 2		Tuesday, October 25 th (16:20 – 17:30) Chairman: Vanderlei Salvador BAGNATO
Com. 12 16:20	10'	Development of aBL tolerance in gram-negative bacteria Aleksandra RAPACKA-ZDOŃCZYK, Agata WOŹNIAK, Beata KRUSZEWSKA-NACZK, Krzysztof WALERON and MARIUSZ GRINHOLC
Com. 13 16:30	10'	PhotoCORM-based nanomaterials for antimicrobial therapeutics Valentine GUILBAUD, Corinne VANUCCI-BACQUÉ, Florence BEDOS-BELVAL, Tan-Sothea OUK, Gautier M.-A. NDONG-NTOUTOUME, Vincent SOL, Éri BENOIST and Suzanne FERY-FORGUES
Com. 14 16:40	10'	Novel anti-microbial small molecule photosensitizer causes cell death in Gram-positive and bacteriostasis in Gram-negative bacteria Ryan WAITE, Carrie AMBLER, Gary SHARPLES, Andy WHITING and David CHILSHOLM
Com. 15 16:50	10'	Two-photon responsive fluorophore-porphyrin biodegradable PMO nanoparticles for FRET-enhanced PDT and antibiotic encapsulation Nicolas BONDON, Clément CHARLOT, Alexandre BARRAS, Christophe NGUYEN, Lamiaa ALI, Denis DURAND, Sabine SZUNERITS, Rabah BOUKHERROUB, Nicolas RICHY, Olivier MONGIN, Nadir BETTACHE, Magali GARY-BOBO, Jean-Olivier DURAND and Clarence CHARNAY
Com. 16 17:00	10'	Determination of optimal effective combinations of antimicrobial substances and the antibacterial photodynamic principle Eva-Maria FORSTER, Karl-Anton HILLER, Verena PROBST, Fabian CIEPLIK and Tim MAISCH
Com. 17 17:10	10'	Antibiotic combination with photodynamic inactivation for the treatment of bacterial infections Jennifer SOARES, Vanderlei Salvador BAGNATO and Kate BLANCO
Com. 18 17:20	10'	Phenalenone-triazolium salt derivatives as promising photosensitizers for aPDT Frédérique BREGIER, Jérémy GODARD, Daire GIBBONS, Stéphanie LEROY-LHEZ, René M. WILLIAMS, Nicolas VILLANDIER, Tan-Sothéa OUK and Vincent SOL
Visit of the city and convivial evening, around a glass of wine and an aperitif plate – Group 1 (18:00 – 22:00)		

S3

ORAL SESSION

SESSION 3: Dosimetry and interstitial PDT

S.3		Wednesday, October 26 th (09:00 – 09:35) Chairman: Gal SHAFIRSTEIN
Invited 09:00	25'	Predicting spatially-resolved photosensitizer accumulation for personalized iPDT treatment planning Tina SAEIDI, Michael DALY and Lothar LILGE <i>University of Toronto, Canada</i>

Com. 19 09:25	10'	Comparing the in vitro efficacy of various Ruthenium coordination complexes as mediators for Photodynamic Therapy Lothar LILGE, Manjunatha Ankathatti MUNEGOWDA, Tina SAEIDI and Sherri A. MCFARLAND
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S4

ORAL SESSION

SESSION 4: PDT and PTT

S.4	Wednesday, October 26th (09:35 – 09:45) Chairman: Jean-Olivier DURAND	
Com. 20 09:35	10'	Theranostic Silver Chalcogenide Quantum Dots in Phototherapy Funda YAGCI ACAR

S5

ORAL SESSION

SESSION 5: PDT in pneumology and gastroenterology

S.5	Wednesday, October 26th (09:45 – 10:30) Chairman: Keith CENGEL	
Invited 09:45	25'	The Impact of Surgically Induced Inflammation on Outcomes Following Intraoperative Photodynamic Therapy in Patients with Thoracic Malignancies Keith CENGEL¹ , Richard W. DAVIS IV, Astero KLAMPTATSA, Gwendolyn CRAMER, Michele KIM, Steve ALBELDA, Sunil SINGHAL, and Theresa M. BUSCH <i>1. Department of Radiation Oncology, University of Pennsylvania, USA</i>
Com. 21 10:10	10'	The effect of Intra-peritoneal PDT for gastric cancer peritoneal carcinomatosis in mouse model Hyoung-Il KIM, Sang Won LEE, Seung Hee YANG, Jae Eun YU, Jong-Hyun PARK, Layla PIRES and Brian C. WILSON
Com. 22 10:20	10'	Ten years of experience with autofluorescence bronchoscopy Sebastian KWIATEK, Aleksandra KAWCZYK-KRUPKA, Karolina CESARZ, Wojciech LATOS, Ewa MAŃKA, Maciej KRUPOWIES, Piotr ZIĘTEK, Grzegorz CIEŚLAR, Aleksander SIEROŃ and Karolina SIEROŃ
Coffee break at the library (10:30 – 11:00)		

AUDITORIUM DONZELOT

S6

ORAL SESSION

SESSION 6: PDT in Head and Neck Cancers

S.6	Wednesday, October 26th (11:00 – 12:00) Chairman: Colin HOPPER	
Invited 1 11:00	25'	Redaporfin : Clinical Validation of a New Approach to Head and Neck Cancer <i>Luis Luis ARNAUT, Lúcio LARA-SANTOS</i> <i>Department of Chemistry, University of Coimbra, Portugal</i>
Invited 2 11:25	25'	Photoimmunotherapy in the Management of Head & Neck Cancer Ann GILLENWATER <i>The University of Texas MD Anderson Cancer Center, Houston, TX, USA</i>
Com. 23 11:50	10'	Testing ruthenium-based photoactivated chemotherapy on tumor-bearing mice models as a new treatment for uveal melanoma Ludovic BRETIN, Ramu VADDE, Sipeng ZHENG, Sophie GERHARDT, Serge ZANDER, Alexander KORNIENKO and Sylvestre BONNET
Lunch in room A6 (12:00 – 13:00)		
Poster session in the library (13:00 – 14:00)		

S7

ORAL SESSION

SESSION 7: PDT in Gynecology

S.7	Wednesday, October 26th (14:00 – 14:55) Chairwoman: Nadira DELHEM	
Invited 14:00	25'	Intraperitoneal targeted photodynamic therapy for advanced epithelial ovarian cancer Henri AZAÏS¹ , Martha BAYDOUN, Morgane MOINARD, Olivier MORALÈS, Ludovic COLOMBEAU, Bertrand LEROUX, Laurine ZIANE, Serge MORDON, Nadira DELHEM and Céline FROCHOT <i>1. European Hospital Georges Pompidou HEGP, Paris, France</i>
Com. 24 14:25	10'	Targeted PDT Combinations to Overcome Fluid Shear Stress-induced Platinum Resistance in Ovarian Cancer Marta OVERCHUK, Mustafa Kemal RUHI, Brittany RICKARD, Frances LIGLER, and Imran RIZVI
Com. 25 14:35	10'	Development of a light emitting device for the treatment of peritoneal carcinomatosis of ovarian origin by intracavitary photodynamic therapy Laurine ZIANE, Grégory BAERT, Olivier MORALES, Anne-Sophie VIGNION-DEWALLE and Nadira DELHEM

Com. 26 14:45	10'	Vectorized photosensitizers to target, detect and treat peritoneal metastases by photodynamic therapy Morgane MOINARD, Léa BOIDIN, Olivier MORALES, Samir ACHERAR, Philippe ARNOUX, Nadira DELHEM, and Céline FROCHOT
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S8

ORAL SESSION

SESSION 8: Low-cost PDT system

S.8	Wednesday, October 26th (14:55 – 15:20) Chairman: Luis ARNAUT	
Invited 14:55	25'	Photodynamic therapy (PDT) as a cancer treatment for global health: Insights from development of low-cost technology for image-guided PDT of early oral cancer in India Jonathan CELLI <i>Department of Physics, University of Massachusetts, Boston, USA</i>

S9

ORAL SESSION

SESSION 9: PDT and oxygen

S.9	Wednesday, October 26th (15:20 – 16:15) Chairman: Steffen HACKBARTH	
Invited 15:20	25'	Singlet oxygen in vivo – it is all about intensity Steffen HACKBARTH¹ , Rayhanul ISLAM, Vladimir SUBR, Tomáš ETRYCH and Jun FANG <i>1. Department of Physics, Humboldt University of Berlin, Germany</i>
Com. 27 15:45	10'	Advanced NADH/FAD/FMN-FLIM and oxygen PLIM in theranostic PDT procedures A. RUECK, N. NASKAR, J. WIELAND, K. REESS and S. KALININA
Com. 28 15:55	10'	Time-gated imaging of protoporphyrin delayed fluorescence shows high hypoxia contrast in pancreatic cancer Arthur PETUSSEAU, Petr BRUZA and Brian POGUE
Com. 29 16:05	10'	The Self-Assembly of Cyclometalated Palladium Photosensitizers into Protein-Stabilized Nanorods Triggers Drug Uptake In Vitro and In Vivo Xue-Quan ZHOU, Ming XIAO, Vadde RAMU, Jonathan HILGENDORF, Xuezhao LI, Panagiota PAPADOPOULOU, Maxime SIEGLER, Alexander KROS, Wen SUN and Sylvestre BONNET
Coffee break at the library (16:15 – 16:35)		

AUDITORIUM DONZELOT

S10

ORAL SESSION

SESSION 10: Immunomodulation induced by PDT

S11**ORAL SESSION****SESSION 11: PDT in Neurosurgery**

AUDITORIUM DONZELOT

Invited 1 16:35	25'	Immune responses triggered by nanobody-targeted photodynamic therapy Irati BELTRÁN HERNÁNDEZ, Tess UPHOF, Marcel FENS and Sabrina OLIVEIRA ¹ <i>1. Faculty of Science, Utrecht University, Utrecht, The Netherlands</i>
Invited 2 17:00	25'	Targeted PDT, a novel way to induce immunoactivating properties and stimulate anti-tumoral immune response: illustration in human Pancreatic Adenocarcinoma and Peritoneal Ovarian Cancer models Alexandre QUILBE, Léa BOIDIN, Martha BAYDOUN, Olivier MORALES, Takashi MURAKAMI, Bertrand LEROUX, Laurine ZIANE, Céline FROCHOT, Serge MORDON, Nadira DELHEM ¹ <i>1. ONCOTHAI, Lille, France</i>
Com. 30 17:25	10'	Targeted PDT for intraperitoneal ovarian cancer, a novel way to stimulate anti-tumoral immune response Léa BOIDIN, Martha BAYDOUN, Bertrand LEROUX, Olivier MORALES, Samir ACHERAR, Céline FROCHOT and Nadira DELHEM
Com. 31 17:35	10'	Photodynamic therapy combined with PD-1/PD-L1 blockade immunotherapy: new possibilities for the treatment of immunogenic cancers Janusz M. DABROWSKI
Com. 32 17:45	10'	A FAP-targeting minibody-IRDye700DX for photodynamic therapy of cancer associated fibroblast Daphne DORST, Esther SMEETS, Gerben FRANSEN, Merijn VAN ESSEN, Marija TRAJKOVICARSIC, Phyllis CHEUNG, Jens SIVEKE, Ian WILSON, Alessandro MASCIONI, Martin GOTTHARDT, Erik AARNTZEN and Sanne VAN LITH
Visit of the city and convivial evening, around a glass of wine and an aperitif plate – Group 2 (18:15 – 22:15)		

AUDITORIUM DONZELOT

S.11	Thursday, October 27th (09:00 – 10:00) Chairman: Ronald SROKA	
Invited 1 09:00 (video)	25'	Efficacy and safety of photodynamic therapy using talaporfin sodium and a semiconductor laser in patients with malignant meningeal tumors Jiro AKIMOTO , Shinjiro FUKAMI and Michihiro KOHNO <i>Tokyo Medical University, Japan</i>
Invited 2 09:25 (video)	25'	MEK pathway inhibition combined with 5-aminolevulinic acid-photodynamic therapy for the treatment of diffuse midline glioma Constantinos G. HADJIPANAYIS <i>Department of Neurosurgery, Mont Sinai Union Square, NY, USA</i>

Com. 33 09:50	10'	Simulation of Intraoperative PDT of Glioblastoma using Monte Carlo Radiative Transport Louise FINLAYSON, Lewis MCMILLAN, Szabolcs SUVEGES, Douglas STEELE, Raluca EFTIMIE, Dumitru TRUCU, Tom BROWN, Ewan EADIE, Kismet HOSSAIN-IBRAHIM and Kenneth WOOD
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S12

ORAL SESSION

SESSION 12: PDTX

AUDITORIUM DONZELOT

S.12	Thursday, October 27th (10:00 – 11:00) Chairwoman: Anne-Laure BULIN	
Com. 34 10:00	10'	Nanoscintillators for X-ray induced PDT: unraveling the complex mechanisms involved Clémentine FULBERT, Sarah STELSE-MASSON, Hélène ELLEAUME and Anne-Laure BULIN
Com. 35 10:10	10'	Photosensitizers as radiosensitizers for metastatic and deep-seated tumors: in vitro and ex-ovo preclinical studies Layla PIRES, Carla CALCADA, Olivia GRAFINGER, Ridhima JUNEJA, Sara MAR, Hon LEONG and Brian C. WILSON
Com. 36 10:20	10'	Nanostructures for X-ray Photodynamic therapy characterized by direct detection of singlet oxygen during radiotherapy Davide ORSI, Marco VACCARI, Andrea BARALDI, Giovanna BENECCHI and Luigi CRISTOFOLINI
Com. 37 10:30	10'	Rose Bengal coupled to AGuIX NPs for anti-cancer photodynamic therapy Batoul DHAINI, Joël DAOUK, Hervé SCHOHN, Valérie JOUAN-HUREAUX, Samir ACHERAR, Philippe ARNOUX, Paul ROCCHI, François LUX, Olivier TILLEMENT, Tayssir HAMIEH and Céline FROCHOT
Com. 38 10:40	10'	Radioluminescent nanoparticles and deep-tissue photodynamic therapy to enhance radiotherapy efficacy Sarah STELSE-MASSON, Thibault JACQUET, Clémentine FULBERT, Mans BROEKGAARDEN, Kseniya POPOVICH, Anthony NOMEZINE, Eva MIHOKOVA, Václav CUBA, Hélène ELLEAUME and Anne-Laure BULIN
Com. 39 10:50	10'	Using rare-earth based nanoscintillators for X-ray induced photodynamic therapy Clémentine FULBERT, Sarah STELSE-MASSON, Frédéric CHAPUT, Thibault JACQUET, Anthony NOMEZINE, Sylvain BOHIC, Dennis BRUECKNER, Jan GARREVOET, Christine MORISCOT, Benoit GALLET, Hélène ELLEAUME and Anne-Laure BULIN
Coffee break at the library (11:00 – 11:20)		

S13

ORAL SESSION

SESSION 13: Fluorescence and fluorescence guided surgery

S.13	Thursday, October 27th (11:20 – 12:20) Chairman: Adrian RÜHM	
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Invited 1 11:20	25'	Interstitial photodynamic therapy – What we have learned from spectral online monitoring and medical imaging Adrian RÜHM¹ , Maximilian AUMILLER, Mohamed EL FAHIM, Marco FOGLAR, Christian HECKL, Stefanie QUACH, Niklas THON, Katja BOCHMANN, Robert FORBRIG, Birgit ERTL-WAGNER, Herbert STEPP and Ronald SROKA <i>1. Munich University Hospital, Munich, Germany</i>
Invited 2 11:45	25'	Convergence of Photophysical and Biological ROS Generation to treat disseminated tumors Anchal GHAI, Alexander ZHELEZNYAK, Christopher EGBULEFU, Kvar BLACK, Rui TANG, Mathew COOPER, Kiran VIJ, Ravi VIJ, Monica SHOKEEN, John DIPERSIO, Samuel ACHILEFU¹ <i>1. UT Southwestern Medical Center, Dallas, TX, USA</i>
Com. 40 12:10	10'	Targeting of $\alpha V\beta 6$ integrin in 3D head and neck cancer cells by functionalized Quantum Dots Luca DIRHEIMER, Thomas PONS, Aurélie FRANCOIS, Halima ALEM, Frédéric MARCHAL and Lina BEZDETAYNA
Lunch in room A6 (12:20 – 13:00)		
Poster session in the library (13:00 – 14:00)		
IPA board meeting (14:00 – 17:00)		

S14

ORAL SESSION

SESSION 14: PDT in Urology

S.14	Thursday, October 27th (14:40 – 15:15) Chairman: Avigdor SCHERZ	
Invited 14:40	25'	Reverting tumor microenvironment into hostile neighborhood by Padeliporfin-ImPACT (TOOKAD VTP) provides high cure rate of urothelial cancers and the ground for clinical treatment of other solid tumors Avigdor SCHERZ¹ , Rehovot, Israel, Lilach AGEMY, Kern SASSON, Natalia KUDINOVA, Tamar YECHEZKEL, Rachel ELMUALEM-HAMRI, Kwanghee KIM, Jonathan COLEMAN, Yaniv COHEN, Zachary ZAKS, Dina PRIESE <i>1. Department of Plant Sciences, Weizmann Institute of Science, Israel</i>

Com. 45 15:05	15'	<i>In vivo</i> and <i>in vitro</i> models for photodynamic therapy by using novel photosensitizers Odrun GEDERAAS, A. HøGSET and M. LINDGREN
Questionary and Debate (15:15 – 15:35)		

S15

ORAL SESSION

SESSION 15: Modeling –Theory phantom

S.15	Thursday, October 27th (15:35 – 16:05) Chairman: Lothar LILGE	
Com. 46 15:35	10	Development of a Protocol for Whole-Lung In Vivo Lung Perfusion Assisted Photodynamic Therapy for the Treatment of Lung Metastases Khaled RAMADAN, Tina SAEIDI, Marcelo CYPEL and Lothar LILGE
Com. 47 15:45	10'	Scalable and accessible personalized photodynamic therapy optimization with FullMonte and PDT-SPACE Shuran WANG, Xiao Ying DAI, Shengxiang JI, Tina SAEIDI, Fynn SCHWIEGELSHOHN, Abdul-Amir YASSINE, Lothar LILGE and Vaughn BETZ
Com. 48 15:55	10'	Investigation on Changes of Optical Tissue Properties related to iPDT on Malignant Gliomas Maximilian AUMILLER, Christian HECKL, Stefanie QUACH, Maximilian EISEL, Christian FREYMÜLLER, Birgit ERTL-WAGNER, Herbert STEPP, Niklas THON, Ronald SROKA and Adrian RÜHM
Coffee break at the library (16:05 – 16:25)		

AUDITORIUM DONZELOT

S16

ORAL SESSION

SESSION 16: Prospectives in PDT

S.16	Thursday, October 27th (16:25 – 17:35) Chairman: Santi NONELL	
Invited 1 16:25	25'	Current status of PDT in the United States Gal SHAFIRSTEIN <i>Roswell Park Comprehensive Cancer Center, Buffalo, USA</i>
Invited 2 16:50	25'	Oxygen (and lack thereof) in photodynamic therapy Santi NONELL <i>IQS School of Engineering, Universidad Ramon Llull, Barcelona, Spain</i>

AUDITORIUM DONZELOT

Com. 49 17:15	10'	Sonophotodynamic Therapy mediated by Curcumin on adhesion and biofilm formation of Staphylococcus aureus Fernanda ALVES, Natália INADA, Sebastião PRATAVIEIRA, Vanderlei BAGNATO and Cristina KURACHI
Com. 50 17:25	10'	Enhanced efficacy of PDT when combined with nitroglycerin ointment administration on xenografted retinoblastoma in mice. Martin Hammer and Carole D. THOMAS, Mihaela LUPU, Florent POYER, Philippe MAILLARD and Joël MISPELTER
IPA Awards (17:45 – 19:15)		
Gala dinner in the Great Salons of the City Hall of Nancy (19:30 – 23:30)		

S17

ORAL SESSION

SESSION 17: PDT in Dermatology

S.17	Friday, October 28th (09:00 – 10:35) Chairwoman: Muriel CREUSOT	
Invited 1 09:00	25'	Artificial White Photodynamic Therapy: Advancing Actinic Keratosis Treatment Serge MORDON <i>Ascaïn, France</i>
Invited 2 09:25	25'	Clinical evaluation of a short illumination duration (1 hour) when performing photodynamic therapy of actinic keratosis using the Dermalis light source Muriel CREUSOT <i>Dermatologic Center du Roy, Placenoit (Lasne), Belgium</i>
Com. 51 09:50	10'	The Photodynamic approach as a method for decolonizing toxigenic Staphylococcus aureus from skin Patrycja OGONOWSKA, Wioletta Barańska-RYBAK and Joanna NAKONIECZNA
Com. 52 10:00	10'	Intradermal delivery of methyl aminolevulinate by dermograph for BCC treatment using PDT: a randomized clinical trial Michelle Barreto REQUENA, Ana Gabriela SALVIO, Mirian Denise STRINGASCI, José Dirceu VOLLET-FILHO and Vanderlei Salvador BAGNATO
Com. 53 10:10	10'	Gemini imidazolium gels enhance the photodynamic performance of porphyrins Kavya ANGULURI, Saman BAGHERPOUR, Thais ABELHA and Lluïsa PÉREZ-GARCIA
Com. 54 10:20	10'	Photodynamic therapy of fibroblasts using blue light and diarylacetylene photosensitizers Daphne DORST, David CHISHOLM, Candace ADAMS, Daniel CALLAGHAN, Christian KLEIN, Arjan van CAAM, Carrie AMBLER and Marije KOENDERS

Video	5'	The use of a portable device for photodynamic therapy at home decreasing the patient's stay at hospital for small nodular basal cell carcinoma treatment Ana Gabriela SALVIO, Mirian D STRINGASCI, Michelle B REQUENA and Vanderlei Salvador BAGNATO
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S18

ORAL SESSION

SESSION 18: PDT and COVID

S.18	Friday, October 28th (10:35 – 11:40) Chairman: Alexander EFIMOV	
Invited 10:35	25'	LASU quarantine dye: Antimicrobial phthalocyanines Activated by Indoor light Alexander EFIMOV¹ , Zafar AHMED, Ville SANTALA, Natalia GRAMMATIKOVA, Nikita DURANDIN, Tuula HEINONEN and Lijo GEORGE <i>1. Tampere University, Finland</i>
Coffee break at the library (11:00 – 11:20)		
Com. 55 11:20	10'	Nasal photodisinfection in an industrial workplace for COVID-19 suppression Nicolas LOEBEL, Roger ANDERSEN, Cristina ROMO and Sheeny LEVENGOOD
Com. 56 11:30	10'	Can autofluorescence and fluorescence imaging be useful in fight with COVID-19 pandemia? Sebastian KWIATEK, Paweł DUBIK, Karolina CESARZ, Piotr ZIĘTEK, Aleksander SIEROŃ and Karolina SIEROŃ

AUDITORIUM DONZELOT

S19

ORAL SESSION

SESSION 18: PCI

S.19	Friday, October 28th (11:40 – 12:05) Chairman: Vincent SOL	
Invited 11:40		Photochemical internalization (PCI) - an intracellular drug delivery technology for treatment of solid tumors Kristian BERG <i>Oslo University Hospital, Norway</i>
Conclusion (12:05 – 12:30)		

AUDITORIUM DONZELOT

