

DETAILED PROGRAM

Thursday, 5 Nov 2020

08:30	09:00	Market place	
		siHealth	
		LifePhotonic	
		Modulight	
		photonamic	
		AdvancedFiberTools	
		Omicron	
		PCI	
		PorphyChem	
		Carl Zeiss	
		Spectracure	
<p>Red: invited, black: „oral“, blue: “poster</p>			
9:00	9:10	OPENING of PDT & PD Update 2020	
9:10	10:25	Photosensitizers and Nanoparticles I	Serge Mordon & Céline Frochot
	9:10	Heitz, Valérie	One- and two-photon photosensitizers for PDT and theranostic applications
	9:25	Barbero, Nadia	Synthesis and Characterization of Organic and Hybrid Photosensitizers for Photodynamic Therapy
	9:35	Gibot, Laure	PDT with photosensitizer-loaded polymer micelles induces an immediate loss of membrane integrity
	9:45	Dominguez-Gil, Sofia	Porphyrin-based periodic mesoporous organosilica nanoparticles as targeting vector for cancer theranostic
	9:55	Durand, Jean-Olivier	Organosilica Nanoparticles for Drug Delivery and Photodynamic Therapy
	10:05	Bulin, Anne-Laure	Radiation dose-enhancement by nanoscintillators: a potent effect to consider when investigating radioluminescence-induced PDT
	10:15	Dhaini, Batoul	Development of addressed nanoparticles for an X-ray activated anti-cancer photodynamic therapy
	10:20	Bronstein, Louis	Newly synthesized Lipid-Porphyrin conjugates: Impact of the lipid backbone and the porphyrin derivative on their assembling and photophysical properties
10:25	10:45	COFFEE	

10:45	11:35	Antimicrobial PDT I	Kristjan Plaetzer
10:45	Prates, Renato	Antimicrobial PDT - Challenge to clinical practices	
11:00	Youf, Raphaele	Detailed Evaluation of Ruthenium(II) Polypyridyl Complexes as Photosensitizers in Antibacterial Photodynamic Therapy Using Clinical Strains	
11:10	Elkihel, Abdechakour	Synthesis of maltohexaose-photosensitizer conjugate for bacteria Targeted Photodynamic Therapy	
11:15	Gourlot, Charly	Near-infrared porphyrin photosensitisers combined with a cationic peptide for targeted antimicrobial PDT	
11:20	Khurana, Bhavya	Synthesis of Photosensitizers and their (Bio)polymeric Hydrogel Platforms for Photo-Antimicrobial Applications	
11:25		Break	
11:35	12:10	PCI	Kristjan Plaetzer
11:35	Selbo, Pål	PCI-controlled intracellular delivery of cancer therapeutics: Pre-clinical and clinical status	
11:50	Gederaas, Odrun	Drug delivery and endosomal drug quantification of Doxorubicin post photochemical internalization	
12:00	Mezghrani, Braham	Periodic mesoporous ionosilica nanoparticles for photodynamic therapy and siRNA photochemical internalization	
12:10	13:00	<i>LUNCH</i>	
13:00	14:00	Immunomodulation induced by PDT	Tohru Tanaka & Motowo Nakajima
13:00	Beltrán Hernández, Irati	Antitumor immune responses triggered by PDT and first signs of immune modulation by nanobody-targeted PDT	
13:15	Delhem, Nadira	Overview of the impact of the PDT on the Modulation of the Human Immune System	
13:30	Baydoun, Martha	Photodynamic Therapy using a New Folate Receptor-Targeted Photosensitizer on Peritoneal Ovarian Cancer Cells Induces the Release of Extra-cellular Vesicles with Immunoactivating Properties	
13:40	Dorst, Daphne	Fibroblast activation protein targeted photodynamic therapy depletes synovial fibroblasts from synovial biopsies of rheumatoid arthritis patients	
13:50	Van Lith, Sanne	A bimodal anti-FAP antibody for nuclear imaging and targeted photodynamic therapy of cancer associated fibroblasts in pancreatic cancer	
14:00	15:10	Prospectives in PDT I	Céline Frochot
14:00	Nonell, Santi	Gold Nanoclusters for Controlled Delivery of Combined Chemo- and Photodynamic Therapy	
14:15	Bogaards, Arjen	Dose simulations for endovascular photodynamic therapy in locally advanced pancreatic cancer	
14:25	Yamamoto, Shinkuro	Sunitinib-PDT mediated ROSs generation induces apoptosis on renal cancer cells	
14:35	Kawase, Yuki	Activity on IEC international standardization for PDT/PDD devices	

14:45	Malacarne, Miryam Chiara	Peptide-porphyrin aggregate: new class of compounds with high potential in PDT
14:55	Gibbons, Dáire	Making triplets from photo-generated charges: applications in photodynamic therapy
15:00	Caruso, Enrico	In vitro photodynamic activity of two new BODIPY with positive charge
15:05	Shi, Huayun	Biotinylated photoactive Pt(IV) anticancer complexes
15:10	15:30	<i>COFFEE</i>
15:30	16:45	Dosimetry and Navigation Georges Wagnières
15:30	Lilge, Lothar	PDT dosimetry approaches for peripheral Lung Cancer. Preclinical studies
15:45	Chamberlain, Sarah	Pretreatment Plan Development for Intraoperative Photodynamic Therapy
15:55	Pogue, Brian	Imaging Oxygen in Tissue during PDT and Radiotherapy
16:05	Yassine, Abdul-Amir	Reinforcement Learning-Based Diffuser Placement for iPDT Planning
16:15	Kazemiraad, Cyrus	Determination of the tissue optical properties by interstitial spatially-resolved measurements of the fluence rate.
16:25	Aumiller, Maximilian	Investigations on the temperature dependence of optical tissue properties in the range of 20° to 50° C
16:30	Nishimura, Takahiro	An irradiation planning method based on a singlet oxygen model for interstitial photodynamic therapy
16:35	Sieg, Caterina	Escalating dosimetry reduces pain in topical MAL-PDT, results of a confirmation study
16:40	Romano, Giovanni	Light Propagation Through Colloid-Polymer Mixtures: Towards Uniform Radiance Sources for Phototherapy Applications
16:45	17:10	Interstitial PDT Lothar Lilge
16:45	Pogue, Brian	Verteoporphin based PDT and photodynamic priming (PDP) in pancreatic adenocarcinoma visualized by in situ stiffness mapping and UV fluorescence imaging
16:55	Ruehm, Adrian	Light Dosimetry and Spectral Online Monitoring for Interstitial Photodynamic Therapy of Brain Tumors
17:05	Heckl, Christian	Hemoglobin absorption during interstitial photodynamic therapy
17:10	18:25	Photosensitizers and Nanoparticles II Girgis Obaid
17:10	Fery-Forgues, Suzanne	Development of luminescent tricarbonylrhenium(I) complexes in view of applications in CO-phototherapy
17:20	Bano, Shazia	Targeting tumor receptor heterogeneity using molecular targeted photochemical-nanoplatform
17:30	Monteiro, Ana Rita	Antiproliferative activity of cationic porphyrins functionalized with graphene oxide and graphene quantum dots in cancer cells
17:40	Rangasamy, Sabarinathan	Mitochondria-targeted Porphyrins: A New Class of Photosensitizers for Targeted Photodynamic Therapy
17:50	Robbins, Emma	Development of optimized two- and multi-photon absorption photosensitizers

18:00	Vallejo, Mariana	Merging cationic porphyrins with multilayered drug delivers as new theranostic agents
18:10	Melissari, Zoi	Synthesis and spectral properties of gem-dimethyl chlorin photosensitizers
18:15	Zmerli, Islam	Bio-inspired Photoactivatable Nanoparticles: A multifunctional drug delivery platform with bimodal activity for cancer therapy
18:20	Mugas, Maria Laura	Effect of photodynamic therapy using the natural photosensitiser parietin on superficial mouse tumours

18:25 18:55 **COFFEE**

18:55 20:00 Antimicrobial PDT II Tayyaba Hasan

18:55	Kurachi, Cristina	Antimicrobial PDT for decontamination of organs for transplantation
19:10	Rapacka-Zdonczyk, Aleksandra	Mechanism of tolerance development to antimicrobial photodynamic inactivation and antimicrobial blue light upon sub-lethal treatment.
19:20	Bispo, Mafalda	Fighting Staphylococcus aureus infections with light and photo-immunoconjugates
19:30	Tomás, Sebastián	Near-Infrared laser enhances Coproporphyrin formation from ALA in Staphylococcus biofilms
19:40	Treghini, Chiara	Antibacterial PDT in the lungs: a semi-theoretical study
19:45	Turkin, Pavel	Photodynamic treatment of venous ulcers.
19:50	Somov, Nikita	Treatment of venous trophic ulcers by photodynamic therapy. Experimental study
19:55	Wiehe, Arno	Structure and Activity of BODIPYs Designed for Antibacterial and Antitumor Phototherapy

20:00 20:10 **TEA**

20:10 21:00 PDT in Pneumology and Gastroenterology Ronald Sroka

20:10	Cengel, Keith	Maximizing intraoperative pdt efficacy: physical and biological countermeasures against surgically induced inflammation
20:25	Broekgaarden, Mans	Photodynamic therapy shuts down chemotherapy-induced metabolic adaptations in patient-derived organoids of metastatic colon cancer
20:35	Kumar, Abhishek	Enhancement of Antitumor Immune Response by Using 5-Aminolevulinic Acid-mediated Photodynamic Therapy in Hepatocellular Carcinoma
20:45	Quilbe, Alexandre	An Efficient Photodynamic Therapy Treatment for Human Pancreatic Adenocarcinoma
20:55	Romano, Giovanni	Safety Evaluation in a Minipig Model of a LED-Based Endoscopic Capsule for Intra-gastric PDT Against Helicobacter Pylori Infection

21:00 21:30 Market place See first page

Sponsor companies present their products, visit the according breakout sessions

Friday, 6 Nov 2020

08:30 09:00 **Market place** [See first page](#)

Sponsor companies present their products, visit the according breakout sessions

9:00	9:50	Photosensitizers and Nanoparticles III	Sara Abdel Gaber
9:00	Spingler, Bernhard	How to improve both the Phototoxic Index and the Solubility of PDT Photosensitizer?	
9:10	Gasser, Gilles	Long-Wavelength Absorbing Ru(II) Polypyridyl Complexes as Photosensitizers for Photodynamic Therapy	
9:20	Mongin, Olivier	Biocompatible fluorenylporphyrins for combined two-photon photodynamic therapy and fluorescence imaging	
9:30	Viappiani, Cristiano	Protein based targeted delivery systems for antimicrobial PDT	
9:40		break	

9:50	10:45	PDT in Gynecology	Xiuli Wang
9:50	Azaïs, Henri	Photodynamic therapy of peritoneal metastases of epithelial ovarian cancers using a specific photosensitizer	
10:05	Afanasiev, Maxim	PDT is an accomplished method to treat acute HPV infection, cervical intraepithelial neoplasia and invasive cancer	
10:15	Orudzhova, Kamilla	Evaluation of the effectiveness of photodynamic therapy in patients with high-grade vulvar intraepithelial neoplasia (VIN III) using the drug based on 5-aminolevulinic acid	
10:25	Orudzhova, Kamilla	The effectiveness of photodynamic therapy using 5-aminolevulinic acid in patients with cervical intraepithelial neoplasia high-grade categories (CIN III)	
10:35	Orudzhova, Kamilla	Evaluation of the effectiveness of photodynamic therapy in patients with Cervical Intraepithelial Neoplasia (CIN I and CIN II) associated with HPV	
10:40	Van Lith, Sanne	DARPin-IRDye700DX conjugates for EpCAM-targeted photodynamic therapy	

10:45 11:15 **COFFEE**

11:15	12:10	PDT in Urology	Carsten Philipp
11:15	Scherz, Avigdor	Vascular photodynamic therapy with TOOKAD for urothelial cancers - from bench to clinic	
11:30	Nakayama, Taku	Mitomycin C-induced cell cycle arrest enhances 5-aminolevulinic acid-based photodynamic therapy for bladder cancer	
11:40	Apfelbeck, Maria	Vascular photodynamic therapy (VTP) of the prostate: overview of the current literature and experiences in real world- setting	
11:50	Löhr, Martin	Case Study: Photodynamic Therapy of prostate cancer under "4 D"- positioning with Chlorin e6 Trisodiumsalt	

12:00	13:10	<i>LUNCH</i>	
13:10	14:10	PDT in Neurosurgery	Adrian Rühm
13:10	Akimoto, Jiro	Clinical practice of PDD and PDT for malignant brain tumors using Talaporfin sodium with semiconductor laser	
13:25	Skandalakis, Georgios	Combination Photodynamic Therapy and Fractionated Radiation for Diffuse Intrinsic Pontine Glioma	
13:40	Lietke, Stefanie	Interstitial Photodynamic Therapy using 5-ALA for Malignant Glioma Recurrences	
13:50	Aumiller, Maximilian	Investigation of changes during treatment light monitoring for interstitial photodynamic therapy of malignant gliomas and hyperintensity in postoperative T1 weighted MRI	
14:00	Karadag, Cihat	Synergistic effect of gold nanoparticles and 5-amino-levulinic acid in photodynamic therapy on human vestibular schwannoma cells	
14:10	15:15	PDT in Dermatology	Serge Mordon
14:10	Wang, Xiuli	China-PDT update in Dermatology	
14:25	Gilaberte, Yolanda	New developments in PDT in Dermatology	
14:40	Mordon, Serge	Clinical efficacy and safety of light emitting fabrics for photodynamic treatment of Extra-Mammary Paget's disease of the Vulva (EMPV)	
14:50	Myroshnychenko, Mykhailo	Photodynamic Therapy Effect on the Healing Processes of Staphylococcus Aureus-Infected Radiation Ulcers of the Skin with Underlying Soft Tissues	
15:00	Vignion, Anne-Sophie	Artificial Daylight Photodynamic Therapy with Dermaris: Efficacy and Tolerability in Patients with Actinic Keratosis of the Scalp	
15:10	Orudzhova, Kamilla	The effectiveness of photodynamic therapy using chlorin E6 in patients with basal cell carcinoma of skin	
15:15	15:45	<i>COFFEE</i>	
15:45	16:40	Fluorescence and Fluorescence Guided Surgery	Vanderlei Bagnato
15:45	Stepp, Herbert	Fluorescence guided surgery	
16:00	Derks, Yvonne	Targeted photodynamic therapy using PSMA-N064 in surgical prostate tumor samples	
16:10	Reichert, David	Combined fluorescence lifetime imaging and spectroscopic analysis integrated in a surgical microscope for enhanced fluorescence-guided brain tumor delineation	
16:20	Rück, Angelika	Metabolic FLIM and oxygen PLIM in theranostic PDT applications	
16:30	Gregor, Aurélien	Physico-chemical mechanisms involved in the prompt and delayed fluorescence of protoporphyrin IX.	
16:40	17:40	PDT in Head and Neck Cancers	Christian Betz
16:40	Arnaut, Luis	Redaporfin-PDT in Advanced Head and Neck Cancer: Preliminary Results and Considerations for Further Progress	
16:55	Gillenwater, Ann	Photoimmunotherapy: A new approach for locoregional recurrent head and neck cancer	

17:10	Quhill, Hibba	Primary Photodynamic Therapy for Small Choroidal Melanoma; Prospective Series of 69 Cases with at Least 24 Months Follow Up
17:20	Buentzel, Jens	Skin cancer in difficult anatomical regions as the nose – experiences with chlorin-E6-based PDT
17:25	Buentzel, Jens	Chlorin-E6-based PDT for laryngeal carcinoma in older patients – report of first experiences
17:30	Dojs, Anna	The New Auto-fluorescence Contrast Method In Monitoring And Diagnosis Of Cavum Oris Squamous Cell Carcinoma Treatment - Case Report
17:35	Dojs, Anna	Treatment of Mucosal Hyperkeratosis of the Gingiva with Sequential Use of Spot Laser Microabrasion and PDT - Case Report
17:40	18:00	<i>COFFEE</i>
18:00	19:20	Prospectives in PDT II Mathias Senge
18:00	Shafirstein, Gal	Interstitial PDT of Inoperable Malignant Tumors with Airway Obstruction: An Emerging Adjuvant and Neoadjuvant Therapy
18:15	Huang, Zheng	Comparative study of laser and LED light sources for Photodynamic Therapy of Portwine Stain Birthmarks
18:30	Eadie, Ewan	A satellite-based digital system for delivering daylight Photodynamic Therapy
18:40	Larue, Ludivine	The design of a targeting and O2-independent platform to improve photodynamic therapy: A proof of concept
18:50	Semenova, Irina	PpIX-induced early cell death dynamics in vitro assessed by digital holographic tomography
19:00	Thecua, Elise	Light Emitting Fabrics: reliable PDT light sources for clinical applications?
19:10	Calvo, Gustavo	The role of hydrogen sulfide in the modulation of PDT mediated by ALA
19:20	19:35	Photosensitizers and Nanoparticles IV Girgis Obaid
19:20	Lovell, Jonathan	PoP liposomes for chemophototherapy
19:35	19:50	<i>TEA</i>
19:50	20:30	Late submissions Herbert Stepp
19:50	Dumoulin, Fabienne	Strategies to increase the photodynamic efficiency of phthalocyanines
20:00	Yang, Jiayi	Adverse effects of ALA-PDT for the treatment of cutaneous diseases: a retrospective study
20:10	Mashayekhi, Vida	Dual targeting of endothelial and cancer cells potentiates in vitro nanobody-targeted photodynamic therapy
20:20	Shi, Lei	The enhancement of an analgetic, methadone on 5-ALA-PDT for tumor in vitro
20:30	Reina, Bárbara	Photodynamic Inactivation in Dentistry: Epidemiology and Reporting Characteristics of Systematic Reviews
20:35	Patel, Shiv	A novel Cathepsin B- degradable, NIR- responsive nanoparticulate platform for intraoperative imaging and treatment of pancreatic cancer

20:40 21:10

Market place

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