

Conference Program

Tuesday 18th September

PDT - School

12:00 – 13:00	Photophysics and photochemistry
PDTS-01	Santi Nonell
13:00 – 14:00	Cell death mechanisms and immune response
PDTS-02	Sandra Gollnick

14:00 – 14:20 Break

14:20 – 15:00	Antimicrobial
PDTS-03	Tim Maisch
15:00 – 15:20	Photodetection
PDTS-04	Herbert Stepp
15:20 – 16:00	Light dosimetry
PDTS-05	Gal Shafirstein

Welcome Reception

18:30 – 21:00 Finger food, drinks, traditional Bavarian dance show

Wednesday 19th September

Opening	
8:30 – 9:00	Introduction remarks Ronald Sroka

Session 1	Photosensitizers	Mathias Senge, Tayyaba Hasan
9:00 – 9:30	Update on Photosensitizers and targeted PDT: is it all in the packaging and the use of nanotechnology, or are new small molecules still needed?	
OS-01-01	Tayyaba Hasan <i>Wellman Center for Photomedicine, Harvard University and MIT, USA</i>	
9:30 – 9:45	Development of new photosensitizers for the photodynamic inactivation of bacteria	
OS-01-02	Arno Wiehe , C. S. Gutsche, B. F. Hohlfeld, S. Gräfe, B. Gitter, K. J. Flanagan, M. Senge, N. Kulak <i>Freie Universität Berlin, DEU/biolitec research GmbH, DEU</i>	
9:45 – 10:00	Nanos from phthalos: Designing, improving and looking forward	
OS-01-03	Fabienne Dumoulin <i>Gebze Technical University, TUR</i>	
10:00 – 10:15	Solubilization of Challenging Small Molecule Drugs by Peptide-Polymer Conjugates	
OS-01-04	Dario Remmler , H. G. Börner <i>Humboldt-Universität zu Berlin, DEU</i>	

10:15 – 10:45	Break
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Session 2	Targeted PDT	Céline Frochot
10:45 – 11:00	Polyamines as targeting agents for photosensitizers in photodynamic therapy of cancers	
OS-02-01	Vincet Sol <i>University of Limoges, Laboratory PEIRENE EA 7500, Limoges, FRA</i>	
11:00 – 11:15	Targeted Photodynamic Therapy with Metal-based Photosensitizers	
OS-02-03	Gilles Gasser <i>Chimie ParisTech, PSL University, FRA</i>	
11:15 – 11:30	Peptide targeting of photosensitizers for PDT and drug delivery	
OS-02-04	Ian Eggleston <i>University of Bath, Bath, GBR</i>	

Session 3.1	Combinations in PD or PDT 1	Angelika Rück
11:30 – 12:00	X-ray – PDT - PD combinations	
OS-03-01	Brian Pogue <i>Dartmouth College, Thayer School of Engineering, USA</i>	
12:00 – 12:15	Singlet oxygen detection in PDT	
OS-03-02	Santi Nonell , R. Bresolí-Obach <i>Universitat Ramon Llull, ESP</i>	
12:15 – 12:30	Phosphorescent photosensitizers to follow up PDT response by FLIM and PLIM	
OS-03-03	Angelika Rück , J. Breymayer, K. Reess, S. Kalinina <i>University of Ulm, DEU</i>	
12:30 – 12:45	The application of optical coherence tomography angiography in vascular targeted photodynamic therapy	
OS-03-04	Haixia Qiu , Y. Gu <i>Chinese PLA General Hospital, CHN</i>	
12:45 – 13:00	Enhancing the efficacy of gene-directed enzyme prodrug therapy by photochemical internalization	
OS-03-05	Henry Hirschberg , K. Berg <i>University of California, USA</i>	

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13:00 – 14:00	Lunch / Lunch Boxes
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Company Pitches	Ronald Sroka, Herbert Stepp
14:00 – 14:30	Max. 2-3 minutes each

Session 3.2	Combinations in PD or PDT 2	Brian Pogue
14:30 – 15:00	Light-controlled delivery of cancer immunotherapeutics	
OS-03-06	Pal Selbo <i>Oslo University Hospital, NOR</i>	
15:00 – 15:15	Mechanisms of hypericin-induced immunity: chronology of investigations	
OS-03-07	Barbara Krammer , T. Verwanger, R. Sanovic, D. Rauch, P. Cantonati, J. Stump, E. Obregón-Castrillo, N. Maeding <i>University of Salzburg, AUT</i>	
15:15 – 15:30	Tumor Oxygenation and Blood Flow: Tracking and Tweaking for More Efficacious PDT	
OS-03-08	Theresa Busch , A. G. Yodh, Y.H. Ong <i>University of Pennsylvania, USA</i>	
15:30 – 15:45	Bladder wall light dose distribution during Photodynamic Therapy	
OS-03-09	Lothar Lilge , G. Kulkani, A. Manalac, J. Cassidy, W. Embree, A. Mandel, V. Betz, M. Jewett <i>University of Toronto, CAN</i>	

15:45 – 16:15	Break
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Session 4.1	PDT World 1	Ying Gu
16:15 – 16:30	Application and development of PDT in China	
OS-04-01	Xiuli Wang <i>Shanghai Skin Disease Hospital, Tongji University School of Medicine, CHN</i>	
16:30 – 16:45	The status of the Brazilian program of PDT for basal cell carcinoma	
OS-04-02	Cristina Kurachi , A.G. Salvio, V.S. Bagnato <i>University of São Paulo, BRA</i>	
16:45 – 17:00	Clinical application and perspectives of PDT in Russia	
OS-04-03	Andrey Akopov & Elena Filonenko <i>Pavlov First State Medical University, RUS / P.A. Herzen Cancer Research Institute, RUS</i>	

Conclusions Finding	Ronald Sroka, Herbert Stepp
17:00 – 17:20	Session Chairs of the day

Mountain Hut Herzogstand	
17:30	Bus transfer to cable car, meet in front of the conference venue (Heimatbühne)
19:30 – 22:00	Dinner
≈22:00	Begin of return to cable car mountain station in groups of 15 persons
≈23:00	Return by busses to Kochel / Benediktbeuern

Thursday 20th September

Session 5	Antimicrobial	Santi Nonell
8:30 – 9:00	Antimicrobial PDT - UPDATE	
OS-05-01	Tim Maisch <i>University Hospital Regensburg, DEU</i>	
9:00 – 9:15	Protein carriers for delivery of photosensitizers in antibacterial treatment	
OS-05-02	Cristiano Viappiani , S. Abbruzzetti, C. Montali, S. Nonell <i>Università di Parma, ITA</i>	
9:15 – 9:30	Application of Photodynamic Inactivation based on natural photosensitizers against plant pathogens	
OS-05-03	Kristjan Plaetzer , M. Glueck, C. Hamminger, M. Fefer, J. Liu, R. Tenhaken <i>University of Salzburg, AUT</i>	
9:30 – 9:45	Using natural deep eutectic solvents (NADES) as photosensitiser solubiliser	
OS-05-04	Ellen Bruzell , K. Wikene, H. Valen, H.H. Tønnesen <i>Nordic Institute of Dental Materials (NIOM), NOR</i>	
9:45 – 10:00	Photochemical internalization enhances cytosolic release and efficacy of antibiotics against staphylococcal infection	
OS-05-05	Pal Selbo , X. Zhang, L. de Boer, L. Heilieggers, S. Man-Bovenkerk, J. W. Drijfhout, A. Høgset, S. A. Zaat <i>Oslo University Hospital, NOR</i>	

10:00 – 10:30 Break

Session 6	Physics	Georges Wagnières
10:30 – 11:00	Treatment Planning and Dosimetry in Interstitial PDT – An Update	
OS-06-01	Gal Shafirstein , E. Oakley, D. Bellnier <i>Roswell Park Comprehensive Cancer Center, USA</i>	
11:00 – 11:15	Reducing dosimetry needs in PDT	
OS-06-02	Brian Pogue <i>Dartmouth College, Thayer School of Engineering, USA</i>	
11:15 – 11:30	Dosimetry issues for intraoperative PDT of glioblastoma	
OS-06-03	Clément Dupont , M. Vermandel, S. Mordon <i>Université. Lille, FRA</i>	
11:30 – 11:45	Spectral online monitoring during interstitial PDT	
OS-06-04	Adrian Rühm , C. Heckl, M. Aumiller, H. Stepp, R. Sroka <i>Klinikum der Universität München, DEU</i>	

Poster Pitches 1	Ronald Sroka, Herbert Stepp
11:45 – 12:35	2 min each
Session 1: Photosensitizers	
101 Weimin Liu / 102 Julien Massiot	
Session 2: Targeted PDT	
201 Ludovic Bretin / 202 Xiaosong Li / 203 Marline N'Diaye /	
204 Nelson A.M. Pereira/205 Abdul-Amir Yassine / 206 Zahraa Youssef	
Session 3: Combinations in PD or PDT	
301 Pilar Acedo / 302 Jens Buentzel / 303 Cristina Kurachi / 304 Jayoti Som /	
305 Andrea Tabero / 306 Steven Yap	
Session 5: Antimicrobial	
501 Antonella Battisti / 502 Anzhela Galstyan / 503 Paola Morici /	
504 Antonella Sgarbossa	

12:35 – 13:30 Lunch / Lunch Boxes

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Poster Walk 1		Session chairs of the day
13:30 – 14:00		
S1	Photosensitizers	Mathias Senge, Tayyaba Hasan
S2	Targeted PDT	Céline Frochot
S3	Combinations in PD or PDT	Angelika Rück, Brian Pogue
S4.1	PDT World 1	Ying Gu
S5a	Antimicrobial	Santi Nonell

14:00 – 14:30 Break	
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Session 7		New Mechanisms	Kristian Berg
14:30 – 15:00			
Subcellular mesoscale directing of photosensitizers: An update on the mechanistic augmentation of cellular phototoxicity			
OS-07-01	Girgis Obaid , I. Rizvi, T. Hasan, D. Kessel <i>Massachusetts General Hospital and Harvard Medical School, USA</i>		
15:00 – 15:15			
Molecular targeted PDT: induction of antibiotic susceptibility of multi-drug resistant Staphylococci			
OS-07-02	Zvi Malik , N. Iluz <i>Bar-Ilan University, ISR</i>		
15:15 – 15:30			
Molecular pathways involved in the acquired PDT resistance			
OS-07-03	Valentina Rapozzi , F. D'Este, E. Della Pietra, L.E Xodo <i>University of Udine, ITA</i>		
15:30 – 15:45			
Photochemical Internalization of sunitinib; mechanistic challenges			
OS-07-04	Anette Weyergang , J. Wong <i>Oslo University Hospital, Oslo, NOR</i>		

15:45 – 16:15 Break	
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Session 4.2		PDT World 2	Serge Mordon
16:15 – 16:30			
PDT in North America: Has Love's Labor's Lost the profit in their shining nights?			
OS-04-04	Keith Cengel <i>University of Pennsylvania, Philadelphia, PA, USA</i>		
16:30 – 16:45			
PDT in Europe			
OS-04-05	Céline Frochot , S. Mordon <i>CNRS-University of Lorraine, FRA</i>		
16:45 – 17:00			
Semiconductor metal oxides based nanoparticles as a new class of photosensitizers for effective PDT			
OS-04-06	Xia Lou <i>Curtin University, AUS</i>		

Conclusions Finding		Ronald Sroka, Herbert Stepp
17:00 – 17:20		
Session Chairs of the day		

Social Events	
17:30	
Open-Air Historical Garden Gientleiten	
Bus transfer, meet in front of the conference venue (Heimattübne)	
17:30	
Franz Marc Museum	
Walk to Franz Marc museum, meet in front of the conference venue (Heimattübne)	
17:30	
Boat Trip	
Walk to boat jetty, meet in front of the conference venue (Heimattübne)	

Friday 21st September

Session 8	Immuno-PDT	Arjen Bogaards, Mladen Korbelik
8:30 – 9:00	Anti-tumor immunity induced with in situ or ex vivo PDT	
OS-08-01	Mladen Korbelik <i>Integrative Oncology Department, BC Cancer, CAN</i>	
9:00 – 9:15	Immunomodulation in the Setting of Intraoperative Photodynamic Therapy	
OS-08-02	Theresa Busch , K.A. Cengel, R.W. Davis IV <i>University of Pennsylvania, USA</i>	
9:15 – 9:30	T cell-based Immuno-Photodynamic therapy of cancer	
OS-08-03	Ferry Ossendorp <i>Leiden University Medical Center, NDL</i>	
9:30 – 9:45	Augmenting the effects of VTP therapy in urologic cancers	
OS-08-04	Kwanghee Kim , M. O'Shaughnessy, J. Coleman <i>Memorial Sloan Kettering Cancer Center, USA</i>	
9:45 – 10:00	Mechanisms of PDT-Enhanced Anti-tumor Immunity and Implications for Checkpoint Blockade	
OS-08-05	Sandra Gollnick , R. Falk-Mahapatra, K. Ramsey <i>Roswell Park Comprehensive Cancer Center, USA</i>	

15:45 – 16:15 Break

Session 9	Clinical Use 1 (derma, gastro, lung, ENT)	Colin Hopper
10:30 – 10:50	PDD and PDT in head and neck cancers	
OS-09-01	Colin Hopper , C. Betz <i>Maxillofacial Surgeon UCL Eastman London, GBR</i>	
10:50 – 11:05	Next generation Targeted Photodynamic Therapy (NG-PDT)	
OS-09-02	Harubumi Kato , T. Hamakubo <i>Tokyo Medical University, JPN</i>	
11:05 – 11:20	Update of PDT in Dermatology	
OS-09-03	Carola Berking , R. Koseki, and T. Tanaka <i>Klinikum der Universität München, DEU</i>	
11:20 – 11:35	Current clinical studies with ALA-PDD application in the fields "lung, gastro, pancreas and bladder" in Japan	
OS-09-04	Mitsugu Yamauchi <i>SBI Pharmaceuticals Co., Ltd, JPN</i>	
11:35 – 11:50	Lessons learned in dermatological PDT – What Really Mattered	
OS-09-05	Alexis Sidoroff <i>Department of Dermatology and Venerology, AUT</i>	
11:50 – 12:00	Q & A	
OS-09-06	Colin Hopper <i>Maxillofacial Surgeon UCL Eastman London, GBR</i>	

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Poster Pitches 2		Ronald Sroka, Herbert Stepp
12:00 – 12:50	2 min each	
	Session 6: Physics 601 Mirian Stringasci	
	Session 7: New mechanisms 701 Sylvestre Bonnet Bonnet / 702 Hilde Harb Buzza / 703 Vipin Shankar Chelakkot / 704 Leonardo Franchi	
	Session 8: Immuno-PDT 801 Aleksandra Kawczyk-Krupka / 802 Rainer Wittig	
	Session 9-12: Clinical use 901 Thomas Giesen / 902 Jie Ji / 903 Wojciech Latos / 904 Maxim Loshchenov / 905 Lei Shi / 906 Artem Shiryaev / 907 Linglin Zhang / 1001 Aleksandra Kawczyk-Krupka	
	Session 13: Future and Hot Topics 1301 Jaroslava Joniova / 1302 Eduard Mahiliavets / 1303 Georges Wagnières	

12:50 – 13:30	Lunch / Lunch Boxes
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Poster Walk 2		Session chairs
13:30 – 14:00		
S5b	Antimicrobial	Santi Nonell
S4.2	PDT world 2	Serge Mordon
S6	Physics	Georges Wagnières
S7	New mechanisms	Kristian Berg
S8	Immuno-PDT	Arjen Bogaards, Mladen Korbelik
S9-12	Clinical use	C. Hopper, P. Hillemanns G. Widhalm, H. Kostron, J. Buchholz
S13	Future and Hot Topics	Ronald Sroka, Herbert Stepp

14:00 – 14:30	Break
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Session 10		Clinical use 2 (gyn , uro)	Peter Hillemanns
14:30 – 15:00	TOOKAD@Soluble (Padeliporfin) VTP; EMA approval and 4 years follow up		
OS-10-01	Avigdor Scherz <i>Weizmann Institute of Science, ISR</i>		
15:00 – 15:15	Intraperitoneal photodynamic therapy for ovarian cancer: a way to stimulate antitumor immunity?		
OS-10-02	Henri Azaïs , M. Baydoun, C. Frochet, L. Colombeau, A. Grabarz, O. Moralès, P. Collinet, N. Delhem, S. Mordon <i>Hôpital La Pitié Salpêtrière, FRA</i>		
15:15 – 15:30	Topical Photodynamic Treatment for HPV Infections and Cervical Dysplasia		
OS-10-03	Peter Hillemanns <i>Medizinische Hochschule Hannover, DEU</i>		
15:30 – 15:45	Sentinel detection using near infrared fluorescence from ICG in vulvar and cervical cancer		
OS-10-04	Philipp Soergel <i>Medizinische Hochschule Hannover, DEU</i>		
15:45 – 16:00	5-Aminolevulinic acid photodynamic therapy in cervical intraepithelial neoplasia concurrent vaginal intraepithelial neoplasia: Series of ten cases		
OS-10-05	Yi Yang <i>Peking Union Medical College Hospital, CHN</i>		

16:00 – 16:30	Break
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Session 11		Clinical use 3 (neuro)	Georg Widhalm, Herwig Kostron
OS-11-01	PD and PDT in Neurosurgery – UPDATE shifted to >>SATURDAY morning (10:15)	Walter Stummer <i>Universitätsklinikum Münster, DEU</i>	
16:30 – 16:45	Current and novel applications of photodynamic diagnosis with 5-ALA to optimize neurosurgical procedures	OS-11-02 Georg Widhalm <i>Medical University Vienna, AUT</i>	
16:45 – 17:00	The Road to 5-ALA FDA Approval in the US	OS-11-03 Constantinos Hadjipanayis <i>Dept. of Neurosurgery, Mount Sinai, USA</i>	
17:00 – 17:15	Limiting glioma development by photodynamic therapy-generated macrophage vaccine and allo-stimulation: an <i>in vivo</i> histological study in rats	OS-11-04 Henry Hirschberg , S. J. Madsen, Q. Peng <i>University of California, USA</i>	
17:15 – 17:30	Interstitial Photodynamic Therapy as initial treatment of de-novo Glioblastomas	OS-11-05 Friedrich-Wilhelm Kreth <i>Klinikum der Universität München, DEU</i>	
17:30 – 17:45	INDYGO – intraoperative PDT for newly diagnosed GBM, preliminary results	OS-11-06 Maximilien Vermandel , C. Dupont, F. Lecomte, P. Deleporte, S. Mordon, N. Reyns <i>Université Lille, FRA</i>	
17:45 – 18:00	In silico evaluation of interstitial photodynamic therapy	OS-11-07 Takahiro Nishimura , A. Izumoto, H. Hazama, N. Ikeda, Y. Kajimoto, T. Kuroiwa, K. Awazu <i>Osaka University, JPN</i>	
18:00 – 18:15	5-ALA fluorescence for guidance in stereotactic brain tumor biopsy	OS-11-08 Neda Haj-Hosseini , J. Richter, P. Milos, M. Hallbeck, K. Wårdell <i>Linköping University, SWE</i>	
18:15 – 18:30	5-ALA is a promising marker for detection of tumor invasion in the surrounding brain tissue of brain metastases	OS-11-09 Petra A. Mercea , A. S. Berghoff, A. Wöhrer, M. Millesi, B. Kiesel, M. Mischkulnig, M. Preusser, J. A. Hainfellner, E. Knosp, G. Widhalm <i>Medical University of Vienna, AUT</i>	

Conclusions Finding		Ronald Sroka, Herbert Stepp
18:30 – 18:50	Session Chairs of the day	

18:50 – 19:35	Break
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Gala dinner	
19:35	Meet at train station Kochel a. See (no bus transfer)
19:45	Train departure
20:00	Dinner
23:00 - 0:00	Return by bus at 23:00 and 24:00 and by train at 23:30. Capacity 50 people for each journey. If you want to leave earlier there are trains at 21:30 and 22:30 – if you want to stay longer there is one later train at 00:30. Transport between 23:00 and 24:00 is included – if you choose other travel times please get your train ticket at the station.

Photodynamic Therapy & Photodiagnosis Update 2018

Saturday 22nd September

Session 12	Clinical use 4 (veterinary)	Julia Buchholz
8:30 – 9:00	PDT in veterinary medicine - UPDATE	
OS-12-01	Jane Dobson <i>University of Cambridge, GBR</i>	
9:00 – 9:15	PDT for transitional cell carcinoma of the bladder in dogs	
OS-12-02	Arno Roos <i>Veterinair Verwijscentrum Gouda, NLD</i>	
9:15 – 9:30	Photodynamic Antibacterial Treatment in Pets	
OS-12-03	Katalin Kovacs <i>Small Animal Laser Clinic, HUN</i>	
9:30 – 9:45	Efficacy of 5-aminolevulinic acid in photodynamic detection and photodynamic therapy in veterinary medicine	
OS-12-04	Tomohiro Osaki, K. Takahashi, M. Ishizuka, T. Tanaka, M. Yamashita, Y. Murahata, K. Azuma, T. Tsuka, N. Ito, T. Imagawa, Y. Okamoto <i>Tottori University, JPN</i>	

09:45 – 10:15 Break

Session 13	Future and Hot Topics	Ronald Sroka, Herbert Stepp
10:15 – 10:45	PD and PDT in Neurosurgery – UPDATE	
OS-11-01	Walter Stummer <i>Universitätsklinikum Münster, DEU</i>	
10:45 – 10:55	Photodynamic Therapy of glioblastoma cells increases effector functions of CD8+ T cells	
OS-13-01	Simone Kreth <i>Klinikum der Universität München, DEU</i>	
10:55 – 11:05	Canine Glioblastoma- Translational Approach with Photodynamic Therapy	
OS-13-02	Joe Impellizeri <i>Veterinary Oncology Services, PLLC, USA</i>	
11:05 – 11:15	Design of Multifunctional Phototheranostics for Cancer	
OS-13-03	Pengfei Wang, Q. Jia, L. Guo, J. Ge <i>Chinese Academy of Sciences/University of Chinese Academy of Sciences, CHN</i>	
11:15 – 11:25	Singlet Oxygen Phosphorescence <i>in vivo</i>	
OS-13-04	Steffen Hackbarth, M. Pfltzner, W. Islam, J. Fang, B. Röder <i>Humboldt-Universität zu Berlin, DEU</i>	
11:25 – 11:35	Comparison between 8-methoxypsoralen and 5-aminolevulinic acid in killing T cells of photopheresis patients <i>ex vivo</i>	
OS-13-05	Odrun Gederaas, T. Holien, S. Ramesh Darvekar, E. Christensen, Q. Peng <i>Norwegian University of Science and Technology, NOR</i>	
11:35 – 11:45	The influence of photodynamic therapy with bacteriochlorins on the immune response	
OS-13-06	Janusz Dabrowski, B. Pucelik, L. G. Arnaut <i>Jagiellonian University, POL</i>	

Closing remarks

11:45 Ronald Sroka

Oktoberfest "O'zapft is" (tapping a wooden beer barrel)

12:00 sharp Live video showing the mayor of Munich in a beer tent tapping the first barrel

12:10 – 13:00 Lunch / Lunch Boxes