

**Overview**

	<b>Time</b>	<b>Session ID</b>	<b>Session/Slot</b>	<b>Chair</b>	<b>Speaker(s)</b>
<b>MON 16.09.</b>	<b>13:00 – 17:15</b>	<b>PDT-S</b>	<b>PDT-School</b>	LIFE Center	Santi Nonell Tim Maisch Lothar Lilge Kristjan Plaetzer Xiuli Wang Ronald Sroka
	<b>18:30</b>	<b>SOCIAL</b>	<b>Welcome reception</b>		Ronald Sroka Jens Müller (Mayor Kochel am See)

## Overview

		Session ID	Session/Slot	Chair(s)	Speaker(s)
TUE 17.09.	08:30 -	O	Opening		Ronald Sroka Adrian Rühm
	09:00				
	09:00 -	S1	Photosensitizers 1	Céline Frochot Sarah Abdel Gaber	Jana Alhoussein Suzan Ghaddar Morgane Moinard Sneha Mishra
10:00					
	10:00 -	<b>COFFEE</b>			
	10:30				
	10:30 -	K1	Keynote: <i>Nanoparticles in PDT</i>	Ronald Sroka	Sara Abdel Gaber
	11:00				
	11:00 -	S2	Nanoparticles for PDT and aPDT	Santi Nonell Sarah Abdel Gaber	Céline Frochot Mine Demir Guolong Zhang
	12:00				
	12:00 -	C	30min Company Pitches	LIFE Center	
	12:30				
	12:30 -	<b>LUNCH</b>			
	13:30				
	13:30 -	K2	Keynote: <i>Overview of clinical PDT- related activities / studies worldwide</i>	Ronald Sroka	Colin Hopper
	14:00				
	14:00 -	K3	Keynote: Interstitial Photodynamic Therapy in Neurosurgery in Germany	Ronald Sroka	Walter Stummer / Juliane Schröteler
	14:30				
	14:30 -	S3	Clinical PDT 1	Colin Hopper Lei Shi	Peter Hillemanns Hiroyuki Kodama Sebastian Kwiatek
	15:30				
	15:30 -	<b>COFFEE</b>			
	16:00				
	16:00 -	S4	Clinical PDT 2	Serge Mordon Xiuli Wang	Aleksandr Obornev Xiaoyun Wang Timothy Zhu Gal Shafirstein/ Emily Oakley-Gawrys
	17:00				
	17:30	TRANSFER	<b>Bus + cable car (90 min!)</b>		
	19:00	SOCIAL	<b>Dinner at Herzogstand</b>		

Overview

		Session ID	Session/Slot	Chair(s)	Speaker(s)
Wed 18.09.	08:30 – 09:00	K4	Keynote: <i>PDT-related activation mechanisms</i>	Ronald Sroka	Timothy Zhu
	09:00 – 10:00	S5	Clinical aPDT	Tim Maisch Max Aumiller	Mona Mahmoud Tony Le Gall Tiziano Schweizer Ana Júlia Barbosa Tomé
	10:00 – 10:30	<b>COFFEE</b>			
	10:30 – 11:45	S6	aPDT – Disinfection and photodynamic inactivation	Kristjan Plaetzer Tiziano Schweizer	Tim Maisch Giacomo Insero Helena Bujdaková Rainer Wittig Peng Li
11:45 – 12:30	S7	PDT in Dermatology 1	Serge Mordon Lei Shi	Linglin Zhang Jia Yan Xiuli Wang	
12:30 – 13:30	<b>LUNCH</b>				
13:30 – 14:00	K5	Keynote: <i>Singlet Oxygen Detection in PDT</i>	Ronald Sroka	Steffen Hackbarth	
14:00 – 15:00	S8	Oxygen in PDT: Mechanisms & Detection	Lothar Lilge Steffen Hackbarth	Francesca Bianco Philippe Arnoux Zheng Huang Timothy Zhu	
15:00 – 15:30	S9	Hypoxia and PDT	Lothar Lilge Tina Saeidi	Santi Nonell Bernhard Spingler	
15:30 – 16:00	<b>COFFEE</b>				
16:00 – 17:00	P	Poster Session in Showroom			
17:00 – 18:00	S10	PDT in Dermatology 2	Carsten Phillip Xiuli Wang	Dagmar Richter-Hintz Lei Shi Serge Mordon Yan Yan	
18:05 – 18:20	Social	<b>Social Service in Kochel am See: Mountain &amp; Water Rescue Service</b>			
18:20 – 18:40	Social	<b>New Rescue Center in Kochel am See Visit Construction Site</b>			

Overview

		Session ID	Session/Slot	Chair(s)	Speaker(s)
THU 19.09.	08:30 - 09:30	S11	PDT in-vitro & in-vivo studies	Herbert Stepp Daniela dos Santos	Paromita Sarbadhikary Sergei Sokolovski Odrun Geederas
	09:30 - 10:00	K6	Keynote: Clinical light application and clinical light dosimetry including image-dosimetry in iPDT	Ronald Sroka	Gal Shafirstein & Emily Oakley-Gawrys
	10:00 - 10:30	<b>COFFEE</b>			
	10:30 - 11:30	S12	Light Dosimetry & Light Application	Timothy Zhu Adrian Rühm	Shuran Wang Tina Saedi Emily Oakley-Gawrys Quingyan Jia
	11:30 - 12:30	S13	Photosensitizers 2 (aPDT)	Céline Frochot Steffen Hackbarth	Hendrik Koliwer-Brandl Auguste Eclancher Valentine Guilbaud Maria Auset
	12:30 - 13:30	<b>LUNCH</b>			
	13:30 - 14:30	S14	PDT in Neurosurgery	Herbert Stepp Adrian Rühm	Nicolas Reyns Jiro Akimoto Kenta Nagai Mohamed El Fahim
	14:30 - 15:00	S15	Endoscopic & Endovascular Light Delivery	Herbert Stepp Tina Saeidi	Lothar Lilge Giovanni Romano
	15:00 - 15:30	K7	Keynote: <i>Breaking down the resistance of bacteria to antibiotics</i>	Ronald Sroka	Vanderlei Bangato
	15:30 - 16:00	<b>COFFEE</b>			
	16:00 - 17:00	S16	Wound Healing and Disinfection	Vanderlei Bagnato Max Aumiller	Hongwei Wang Sara Abdel Gaber Xiang Wen
	19:00	<b>SOCIAL</b>	<b>Dinner at Heimatbühne Kochel am See</b>		

## Overview

		Session ID	Session/Slot	Chair(s)	Speaker(s)
FRI 20.09.	08:30 - 09:30	S17	PDT Mechanisms: Immune Response and Cell Death	Santi Nonell Daniela dos Santos	Ludovic Bretin Daphne Dorst Tiffany Campion (Guolong Zhang)
	09:30 - 10:00	S18	Microscopy	Timothy Zhu Steffen Hackbarth	Daniela dos Santos Angelika Rueck
	10:00 - 10:30	<b>COFFEE</b>			
	10:30 - 11:00	K8	Keynote: Antimicrobial PDT in a One Health World	Ronald Sroka	Kristjan Plaetzer
11:00 - 12:00	S19	PDT in One Earth One Health	Kristjan Plaetzer Vanderlei Bagnato	Linda Jernej Andreas Fellner Mohamed Vanderzeh	
12:00 - 12:30	E	Closing & Award Ceremony		Ronald Sroka Adrian Rühm	
12:30 - 13:30	<b>LUNCH</b>				
<b>Program End</b>					

Session	PDT-School	Chair(s): Ronald Sroka; Adrian Rühm; Max Aumiller
	Topic	Lecturer
13:00 – 13:45	<b>Chemistry in PDT:</b> Molecular aspects, photophysics, photochemistry, selectivity, lethal dose, photosensitizer, etc.	<b>Santi Nonell</b> <i>Instituto Químico de Sarrià, Universitat Ramon Llull, Barcelona, Spain</i>
13:45 – 14:30	<b>Biology in PDT:</b> Mechanisms of cell death, bacteria vs cell, selectivity, lethal dose, cell and immune response; role of $1O_2$ and ROS, etc.	<b>Tim Maisch</b> <i>Department of Dermatology, University Hospital Regensburg, Germany</i>

**14:30 - 15:00 Coffee Break**

15:00 – 15:45	<b>Physics in PDT:</b> Laser and light sources, light application system, dosimetry concepts, monitoring concepts, temperature, etc.	<b>Lothar Lilge</b> <i>Department of Medical Biophysics, University of Toronto, Toronto, ON, Canada Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada</i>
15:45 – 16:15	<b>Basics of Antimicrobial PDT and its application in human medicine, plant protection and food safety</b>	<b>Kristjan Plaetzer</b> <i>Laboratory of Photodynamic Inactivation of Microorganisms, Department of Biosciences and Medical Biology, Paris Lodron University Salzburg, Austria</i>
16:15 – 16:45	<b>PDT in the Clinics:</b> Oncologic and non-oncologic application and treatment possibilities.	<b>Xiuli Wang</b> <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai, China</i>
16:45 – 17:15	<b>Discussion &amp; Round Table</b>	<b>Ronald Sroka</b> <i>Laserforschungslabor, LIFE-Zentrum, LMU Klinikum, LMU Munich, Planegg, Germany Department of Urology, LMU Klinikum, LMU Munich, Munich, Germany</i>

Welcome reception	
18:30 – 22:00	At the conference venue (Heimatbühne)

<b>O</b>	<b>Opening</b>	
<b>08:30-09:00</b>	<b>Conference and Opening Remarks at Heimatbühne</b>	
<b>S1</b>	<b>Photosensitizers 1</b>	<b>Chair(s): Céline Frochot; Sarah Abdel Gaber</b>
<b>09:00-10:00</b>		
<b>09:00</b>	<b>Design of novel generation of Porphysomes with improved and tunable photothermal photodynamic properties against prostate cancer cells</b>	
	Jana Alhoussein, K. Merabishvili, P. Cressey, A. Elkihel, I. Pozilov, M. Hery, J. Vergnaud and A. Makky <i>Université Paris-Saclay, Institut Galien Paris-Saclay, Orsay, France</i>	
<b>09:15</b>	<b>New Photosensitizers Encapsulated within Arene-Ruthenium Complexes Active in Photodynamic Therapy: Intracellular Signaling and Evaluation in Colorectal Cancer Models</b>	
	Suzan Ghaddar <sup>1,2</sup> , A. Pinon <sup>1</sup> , M. Gallardo-Villagran <sup>3</sup> , M. Diab-Assaf <sup>2</sup> , B. Therrien <sup>3</sup> and B. Liagre <sup>1</sup> <i>1:Univ. Limoges, LABCiS, UR 22722, Faculty of Pharmacy, Limoges, France 2:Laboratory TMPA, Lebanese University, Beirut, Lebanon 3:Institute of Chemistry, University of Neuchatel, Switzerland</i>	
<b>09:30</b>	<b>Deciphering the Impact of Alpha vs. Gamma Coupling in Folic Acid Analogues: Implications for Photodynamic Therapy in Ovarian Cancer</b>	
	Morgane Moinard <sup>1,2</sup> , A. Moussaron <sup>3</sup> , L. Boidin <sup>2</sup> , M. Baydoun <sup>2</sup> , O. Morales <sup>2,4</sup> , P. Arnoux <sup>1</sup> , G. Amirah Mohd <sup>3,5</sup> , S. Acherar <sup>3</sup> , T. Bastogne <sup>6</sup> , N. Delhem <sup>2</sup> and C. Frochot <sup>1</sup> <i>1:Université de Lorraine, CNRS, LRGP, Nancy, France 2:Université de Lille, INSERM, CHU Lille, U1189-ONCO-THAI, Lille, France 3:Université de Lorraine, CNRS, LCPM, Nancy, France 4:Université de Lille, CNRS, UMR9020, Lille, France 5:School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia 6:Université de Lorraine, CNRS, CRAN, Nancy, France</i>	
<b>09:45</b>	<b>Near infrared absorbing Curcuminoid BF2 chelate for applications in Photodynamic therapy</b>	
	Sneha Mishra <sup>1</sup> , D. dos Santos <sup>2</sup> , A. Rueck <sup>2</sup> , K. C. Barick <sup>3</sup> and N. Agarwal <sup>1</sup> <i>1:School of Chemical Sciences, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina, Santacruz (E), Mumbai, India 2:University Ulm, ZBMF, Ulm, Germany 3:Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India</i>	
<b>10:00 - 10:30</b>	<b>Coffee Break</b>	
<b>K1</b>	<b>Keynote: Nanoparticles</b>	<b>Chair: Ronald Sroka</b>
<b>10:30</b>	<b>Nanoparticles in PDT</b>	
	Sara Abdel Gaber <i>Institute of Nanoscience and Nanotechnology, Kafrelsheikh University, Egypt</i>	
<b>S2</b>	<b>Nanotechnology for PDT</b>	<b>Chair(s): Santi Nonell; Sarah Abdel Gaber</b>
<b>11:00-12:00</b>		
<b>11:00</b>	<b>X-ray activated PDT with AGuIX nanoparticles</b>	
	B. Dhaini <sup>1</sup> , P. Arnoux <sup>1</sup> , J. Daouk <sup>2</sup> , H. Schohn <sup>2</sup> , V. Jouan-Hureau <sup>2</sup> , S. Acherar <sup>3</sup> , O. Tillement <sup>4</sup> , F. Lux <sup>4</sup> , G. Shafirstein <sup>5</sup> and Céline Frochot <sup>1</sup> <i>1:Université de Lorraine, CNRS, LRGP, Nancy, France 2:Université de Lorraine, CNRS, CRAN, Nancy, France 3:Université de Lorraine, CNRS, LCPM, Nancy, France 4:Université de Lyon, CNRS, ILM, Lyon, France 5:Roswell Park Comprehensive Cancer Center, Buffalo, New York, USA</i>	
<b>11:15</b>	<b>Gold sulfide nanoparticles for image-guided long wavelength photothermal-/radio-combination therapy using folate receptor targeting</b>	
	Mine Demir <sup>1</sup> , M. Natali Çizmeciyan <sup>2</sup> , A. E. Avşar <sup>3</sup> , İ. Acar <sup>4</sup> , M. Burcin Ünlü <sup>2</sup> and H. Yağcı Acar <sup>3</sup> <i>1:Department of Chemistry, Graduate School of Sciences and Engineering, Koç University, İstanbul, Türkiye 2:Department of Physics, Boğaziçi University, Bebek, İstanbul, Türkiye 3:Department of Chemistry, College of Sciences, Koç University, İstanbul, Türkiye 4:Department of Biomedical Sciences and Engineering, Graduate School of Sciences and Engineering, Koç University, İstanbul, Türkiye</i>	
<b>rescheduled to Thursday 11:15</b>	<b>Optoelectronic Nanomaterials and Flexible Devices for Photodynamic Therapy</b>	
	Qingyan Jia and L. Peng <i>Frontiers Science Center for Flexible Electronics (FSCFE), Xi'an Institute of Flexible Electronics (IFE), and Xi'an Institute of Biomedical Materials &amp; Engineering (IBME), Northwestern Polytechnical University, Xian, China</i>	
<b>11:30</b>	<b>Study on the effect and mechanism of ALA-PDT in promoting the formation of tertiary lymphoid structures to inhibit cutaneous squamous cell carcinoma</b>	
<b>rescheduled from Friday 9:15</b>	Y. Wu, G. Yan, X. Wang and Guolong Zhang <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai, China</i>	

C	Company Pitches	Chair(s): LIFE-Center
12:00	12:10 Omicron (5 min)	
-	12:16 Oberon (2 min)	
12:30	12:19 Modulight (4 min)	
	12:24 Life Photonics (1 min)	
	12:26 MedLight (3 min)	
	1 min gap between pitches	

12:30 - 13:30 Lunch

K3	Keynote: Clinical PDT	Chair: Ronald Sroka
13:30	<b>Overview of clinical PDT-related activities &amp; studies worldwide</b> Colin Hopper <i>University College London, UK</i>	
K4	Keynote: Neurosurgery	Chair: Ronald Sroka
14:00	<b>Interstitial Photodynamic Therapy in Neurosurgery in Germany</b> Walter Stummer <sup>1</sup> and Juliane Schröteler <sup>1,2</sup> <i>1:Department of Neurosurgery University Hospital Münster, Germany 2:Department of Neurosurgery, Hospital Osnabrück, Germany</i>	
S3	Clinical PDT 1	Chair(s): Colin Hopper; Lei Shi
14:30-15:30		
14:30	<b>APL-1702 efficacy for reducing the histological grade of cervical precancerous lesions: results from a randomized phase 3 global study.</b> Peter Hillemanns <sup>1</sup> , F Chen <sup>2</sup> , J. Lang <sup>2</sup> , L. Wölber <sup>3</sup> , T. Lin <sup>4</sup> , J. Cheng <sup>5</sup> , H. Zhao <sup>6</sup> , T. Qin <sup>7</sup> , F. Wang <sup>8</sup> , L. Feng <sup>9</sup> , Q. Zhou <sup>10</sup> , Y. Wang <sup>11</sup> , C. Zhang <sup>12</sup> , C.-L. Chen <sup>13</sup> , V. Dvorak <sup>14</sup> , X. He <sup>15</sup> and Y. Chen <sup>15</sup> <i>1:Hannover Medical School, Hannover, Germany 2:Peking Union Medical College Hospital, Beijing, China 3:Mammazentrum Hamburg am Krankenhaus Jerusalem, Hamburg, Germany 4:Foshan First People's Hospital, Foshan, China 5: Shanghai East Hospital, Shanghai, China 6:The First Affiliated Hospital of Wenzhou Medical University, Wenzhou, China 7:Urumqi Maternal and Child Health Hospital, Urumqi, China 8:The Fifth Affiliated Hospital Sun Yat-sen University, Guangzhou, China 9:Beijing Tiantan Hospital, Capital Medical University, Beijing, China 10:Chongqing University Cancer Hospital, Chongqing, China 11:Affiliated Hospital of Jiangnan University, Wuxi, China 12:The Central Hospital of Wuhan, Wuhan, China 13:Nanfang Hospital, Guangzhou, China 14:Centrum ambulatni gynekologie aprimarni pece, Brno., Czech Republic 15:Asieris MediTech Co., Ltd., Shanghai, China</i>	
14:45	<b>Photoimmunotherapy with ASP-1929 for Head and Neck Cancer: Innovative Approaches for Difficult-to-Illuminate Tumors</b> Hiroyuki Kodama <sup>1</sup> , H. Kanebako <sup>1</sup> , M. Kawashima <sup>1</sup> , R. Bays <sup>2</sup> and T. Suzuki <sup>1</sup> <i>1:Rakuten Medical Inc., CA, USA 2:Medlight S.A., Switzerland</i>	
15:00	<b>Autofluorescence endoscopy in modern endoscopic therapies of Barrett's Esophagus.</b> Sebastian Kwiatek <sup>1,2</sup> , K. Cesarz <sup>1,2</sup> , A. Gruszczynska <sup>1,2</sup> , M. Adamiec <sup>1,2</sup> , P. Zietek <sup>1,2</sup> , K. Gruca <sup>1,2</sup> , N. Gajdzinska <sup>1,2</sup> , E. Soja-Olejarz <sup>1,2</sup> , P. Szmajdzinski <sup>1,2</sup> , A. Sieroń <sup>3</sup> and K. Sieroń <sup>1,2</sup> . <i>1:Department of Internal Diseases, Oncology, with Department of Diabetology, Pulmonology, and Cardiology, Hospital MSWiA in Katowice, Poland 2:Department of Endoscopy. Hospital MSWiA in Katowice, Poland 3:Faculty of Health Sciences. Jan Dlugosz University in Czestochowa. Poland</i>	
15:15	<b>Autofluorescence imaging in endoscopic therapy of colorectal laterally spreading tumors (LST).</b> Sebastian Kwiatek <sup>1,2</sup> , K. Cesarz <sup>1,2</sup> , A. Gruszczynska <sup>1,2</sup> , M. Adamiec <sup>1,2</sup> , P. Zietek <sup>1,2</sup> , K. Gruca <sup>1,2</sup> , N. Gajdzinska <sup>1,2</sup> , E. Soja-Olejarz <sup>1,2</sup> , P. Szmajdzinski <sup>1,2</sup> , A. Sieroń <sup>3</sup> and K. Sieroń <sup>1,2</sup> . <i>1:Department of Internal Diseases, Oncology, with Department of Diabetology, Pulmonology, and Cardiology, Hospital MSWiA in Katowice, Poland 2:Department of Endoscopy. Hospital MSWiA in Katowice, Poland 3:Faculty of Health Sciences. Jan Dlugosz University in Czestochowa. Poland</i>	

15:30 - 16:00 Coffee Break



<b>S4</b> 16:00-17:00	<b>Clinical PDT 2</b>	<b>Chair(s):</b> Serge Mordon; Xiuli Wang
<b>16:00</b>	<b>Results of Photodynamic Therapy of Intrathoracic Malignant Tumors</b> <b>Aleksandr Obornev<sup>1</sup></b> , T. Grishacheva <sup>2</sup> , O. Maslak <sup>1</sup> , V. Pischik <sup>3</sup> and P. Yablonskiy <sup>1</sup> <i>1:Saint-Petersburg State Research Institute of Phthisiopulmonology of the Ministry of Healthcare of the Russian Federation, St. Petersburg, Russia 2:St.Petersburg First State Medical University, St. Petersburg, Russia 3:The Federal State Budgetary Institution "North-Western district scientific and clinical center named after L. G. Sokolov Federal Medical and Biological Agency", St. Petersburg, Russia</i>	
<b>16:15</b>	<b>Comparative study of ALA-PDT and LEEP treatment of cervical high-grade squamous intraepithelial lesions</b> <b>Xiaoyun Wang<sup>1</sup></b> , X. Xu <sup>2</sup> , Y. Ma <sup>1</sup> , Y. Tang <sup>1</sup> and <b>Zheng Huang<sup>3</sup></b> <i>1:Department of Gynecology and 2:Department of Pathology, The Second Affiliated Hospital of Zhejiang University School of Medicine, Hangzhou, China 3:MOE Key Laboratory of Medical Optoelectronics Science and Technology, Fujian Normal University, China</i>	
<b>16:30</b>	<b>Palliative X-Ray Radiotherapy Enhancing Tumor Response to Interstitial Photodynamic Therapy</b> <b>Emily Oakley-Gawrrys<sup>1</sup></b> , S. Chamberlain <sup>1</sup> , C. Lawson <sup>1</sup> N. Ivanick <sup>1</sup> T. Busch <sup>2</sup> , K. Cengel <sup>2</sup> and <b>Gal Shafirstein<sup>1</sup></b> <i>1:Roswell Park Comprehensive Cancer Center, Buffalo, New York, USA 2:Department of Radiation Oncology, University of Pennsylvania, Philadelphia, PA, USA.</i>	
<b>16:45</b>	<b>Real-time Navigation system for pleural PDT</b> <b>Timothy Zhu<sup>1</sup></b> , H. Sun <sup>1</sup> , D. Sourvanos <sup>1,2</sup> , K. Cengel <sup>1</sup> <i>1:Dept of Radiation Oncology, University of Pennsylvania, PA, USA 2:Department of Periodontics, School of Dental Medicine, University of Pennsylvania, PA, USA</i>	
<b>Mountain hut dinner at Herzogstand</b>		
<b>17:30</b>	<b>Bus transfer to cable car, meet in front of the conference venue (Heimatbühne)</b>	
<b>19:00</b>	<b>Dinner at Herzogstand Mountain Hut</b>	

<b>K4</b>	<b>Keynote: Different PDT Mechanisms</b>	<b>Chair:</b> Ronald Sroka
<b>08:30</b>	<b>PDT-related activation mechanisms</b> <b>Timothy Zhu</b> <i>Department of Radiation Oncology, University of Pennsylvania, Philadelphia, PA, USA</i>	
<b>S5</b> 09:00-10:00	<b>Clinical aPDT: Infections and Surgery</b>	<b>Chair(s):</b> Tim Maisch; Max Aumiller
<b>09:00</b>	<b>Antimicrobial photodynamic activity of chlorophyllin against <i>Pseudomonas aeruginosa</i></b> <b>Mona Mahmoud</b> <sup>1,2</sup> , P. Richter <sup>3</sup> , M. Lebert <sup>3</sup> and A. Burkovski <sup>1</sup> <i>1:Department of Biology, Microbiology Division, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany. 2:Dairy Department, National Research Centre, Dokki, Giza, Egypt. 3:Department of Biology, Cell Biology Division, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany</i>	
<b>09:15</b>	<b>Pulmonary antimicrobial photodynamic therapy: comparison of two clinically-approved nebulizers to deliver ruthenium(II) polypyridyl complex and curcumin</b> A. Nasir <sup>1</sup> , M. Bonnardot <sup>1</sup> , F. Thétiot <sup>2</sup> , A. Memboeuf <sup>2</sup> , A. Balasini <sup>3</sup> , G. Lemerrier <sup>4,5</sup> , U. Jonas <sup>3</sup> , T. Montier <sup>1</sup> and <b>Tony Le Gall</b> <sup>1</sup> <i>1:INSERM, Univ Brest, EFS, UMR 1078, GGB-GTCA, Brest, France 2:Univ Brest, CNRS, UMR 6521, CEMCA, Brest, France 3:Macromolecular Chemistry, Dept of Chemistry and Biology, University of Siegen, Siegen, Germany 4:ITODYS - UMR CNRS 7086, Université Paris Cité, Paris, France 5:Univ. Reims Champagne-Ardenne, UFR SEN, Reims, France</i>	
<b>09:30</b>	<b>Photodynamic therapy with protoporphyrin IX precursors using artificial daylight improves skin antiseptics for orthopaedic surgeries</b> <b>Tiziano A. Schweizer</b> <sup>1</sup> , J. S. Würmli <sup>1</sup> , J. Prinz <sup>1</sup> , M. Wölfle <sup>2</sup> , R. Marti <sup>3,4</sup> , H. Koliwer-Brandl <sup>3</sup> , R. Zbinden <sup>3</sup> , A. Egli <sup>3</sup> , H. Walt <sup>5</sup> , L. Imhof <sup>1</sup> , P. P. Bosshard <sup>1</sup> and Y. Achermann <sup>1,6</sup> <i>1:Department of Dermatology, University Hospital Zurich, University of Zurich, Zurich, Switzerland 2:Department of Infectious Diseases and Hospital Epidemiology, University Hospital Zurich, University of Zurich, Zurich, Switzerland 3:Institute of Medical Microbiology, University of Zurich, Zurich, Switzerland 4:Analytica Medizinische Laboratorien AG, Zurich, Switzerland 5:Department for Cranio-Maxillofacial and Oral Surgery, University Hospital Zurich, Zurich, Switzerland 6:Department for Internal Medicine, Hospital Zollikerberg, Zollikerberg, Switzerland</i>	
<b>09:45</b>	<b>Methylene blue- mediated photodynamic therapy in an alveolar model: antimicrobial, kinetics and cytotoxicity studies</b> <b>Ana Juliá Barbosa Tomé</b> <sup>1</sup> , G. Kassab <sup>2</sup> , M. L. F. Vicente <sup>3</sup> and C. Kurachi <sup>1</sup> . <i>1:Physics Institute of São Paulo, University of São Paulo, Brazil 2:University Health Network, Princess Margaret Cancer Centre, Canada 3:Mediterranean Institute of Oceanography, France</i>	

**10:00 - 10:30 Coffee Break**

<b>S6</b> 10:30-11:45	<b>Photodynamic Inactivation and Disinfection</b>	<b>Chair(s):</b> Kristjan Plaetzer; Tiziano Schweizer
<b>10:30</b>	<b>Determination of the optimal effective concentration combination (OECC) for binary applications of antiseptics with antimicrobial PDT</b> <b>Tim Maisch</b> <sup>1</sup> , K. J. Scholz <sup>2,3</sup> , E.-M. Forster <sup>1,2</sup> , V. Wenzl <sup>1,2</sup> , D. L. Auer <sup>2</sup> , F. Cieplik <sup>2,3</sup> and K.-A. Hiller <sup>2</sup> <i>1:Department of Dermatology, University Hospital Regensburg, Germany 2:Department of Conservative Dentistry and Periodontology, University Hospital Regensburg, Germany 3:Department of Dentistry and Periodontology, Center of Dental Medicine, Medical Center-University of Freiburg, Medical Faculty, University of Freiburg, Germany</i>	
<b>10:45</b>	<b>Can UVC Light Safely Suppress Airborne Infections? An innovative approach from in vitro to in vivo experiments</b> <b>Giacomo Inero</b> <sup>1,2</sup> , I. Baccani <sup>3</sup> , F. Fusi <sup>1</sup> , C. Piazza <sup>4</sup> , M. Pistello <sup>4</sup> , S. Pollini <sup>3</sup> , G. Romano <sup>1</sup> , F. Rossi <sup>5</sup> and G. Toci <sup>2</sup> <i>1:Dept. of Experimental and Clinical Biomedical Sciences, University of Florence, Italy 2:National Institute of Optics, National Research Council (INO-CNR), Florence, Italy 3:Dept. of Experimental and Clinical Medicine, University of Florence, Italy 4:Centro Retrovirus, Department of Translational Research, University of Pisa, Italy 5:Institute of Applied Physics "Nello Carrara" (IFAC-CNR), Florence, Italy</i>	
<b>11:00</b>	<b>ANTIMICROBIAL PHOTODYNAMIC INACTIVATION – AN EFFICIENT APPROACH IN THE FIGHT AGAINST MICROBIAL BIOFILMS</b> <b>Helena Bujdaková</b> <sup>1</sup> , M. Štefánek <sup>1</sup> , K. Bilská <sup>1</sup> , S. Kendra <sup>1</sup> , J. Czucz Varga <sup>1</sup> , B. Radochová <sup>1</sup> and J. Bujdák <sup>2,3</sup> <i>1:Comenius University in Bratislava, Faculty of Natural Sciences, Department of Microbiology and Virology, Bratislava, Slovak Republic 2:Comenius University in Bratislava, Faculty of Natural Sciences, Department of Physical and Theoretical Chemistry, Bratislava, Slovak Republic 3: Department of Inorganic Chemistry of SAV, Bratislava, Slovak Republic</i>	

<b>11:15</b>	<b>Photodynamic disintegration of bacteria for single cell diagnostics</b> Petra Kruse <sup>1</sup> , Thomas Stegmayer <sup>2</sup> , Michael Lehnert <sup>3</sup> and <b>Rainer Wittig<sup>1</sup></b> <i>1: Biology group, Institute for Laser Technologies in Medicine &amp; Metrology at Ulm University, Ulm, Germany</i> <i>2: Medical devices, Institute for Laser Technologies in Medicine &amp; Metrology at Ulm University, Ulm, Germany</i> <i>3: Hahn-Schickard Institute of Applied Research, Freiburg, Germany</i>
<b>11:30</b>	<b>Nanoagents and wearable devices for antimicrobial phototherapy</b> <b>Peng Li<sup>1,2</sup></b> , Q. Jia <sup>1</sup> , T. Wang <sup>1</sup> and T. Feng <sup>1</sup> <i>Northwestern Polytechnical University, China</i>
<b>S7</b> 11:45-12:30	<b>Dermatology 1</b> <span style="float: right;"><b>Chair(s):</b> Serge Mordon; Lei Shi</span>
<b>11:45</b>	<b>Update on photodynamic therapy for <i>ance vulgaris</i> in China</b> <b>Linglin Zhang</b> , Y. Zhang, Y. Wu, J. Yan, L. Shi, B. Wang, P. Wang and X. Wang <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai, China</i>
<b>12:00</b>	<b>IPL-PDT is an effective treatment for moderate-to-severe rosacea: a prospective, single-center, self-controlled study</b> Y. Wu, <b>Jia Yan</b> , P. Wang, L. Zhang and X. Wang <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai, China</i>
<b>12:15</b>	<b>Neoadjuvant use of photodynamic therapy for Skin Tumors</b> <b>Xiuli Wang</b> <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai, China</i>

**12:30 - 13:30 Lunch**

<b>K5</b>	<b>Keynote: Oxygen</b> <span style="float: right;"><b>Chair:</b> Ronald Sroka</span>
<b>13:30</b>	<b>Singlet Oxygen Detection in PDT</b> <b>Steffen Hackbarth</b> <i>Singlet Oxygen Lab, Humboldt-University of Berlin, Germany</i>
<b>S8</b> 14:00-15:00	<b>Oxygen in PDT</b> <span style="float: right;"><b>Chair(s):</b> Lothar Lilge; Steffen Hackbarth</span>
<b>14:00</b>	<b>Singlet Oxygen in the heart of the photodynamic process</b> <b>Philippe Arnoux<sup>1</sup></b> , S. Acherar <sup>2</sup> and C. Frochet <sup>1</sup> <i>1: Université de Lorraine, CNRS, LRGP, Nancy, France 2: Université de Lorraine, CNRS, LCPM, Nancy, France</i>
<b>14:15</b>	<b>Singlet oxygen luminescence detection using superconducting strip photon detector</b> S. Cui, X. Guo, X. Zhang and <b>Zheng Huang</b> <i>MOE Key Laboratory of Medical Optoelectronics Science and Technology, School of Optoelectronics and Information Engineering, Fujian Normal University, Fuzhou, China</i>
<b>14:30</b>	<b>Continuous singlet oxygen luminescent dosimetry (CSOLD) for PDT</b> <b>Timothy Zhu<sup>1</sup></b> , W. Yang <sup>1</sup> , B. Lu <sup>1</sup> , H. Sun <sup>1</sup> , M. Johnson <sup>1</sup> , V. Vikas <sup>2</sup> , R. H. Hadfield <sup>2</sup> and B. C. Wilson <sup>3</sup> <i>1: Dept. of Radiation Oncology, University of Pennsylvania, PA, USA 2: Department of Physics, University of Glasgow, Glasgow, UK 3: Department of Medical Biophysics, University of Toronto, Toronto, Canada</i>
<b>14:45</b>	

<b>S9</b> 15:00-15:30	<b>Hypoxia and PDT</b>	<b>Chair(s):</b> Lothar Lilge; Tina Saeidi
<b>15:00</b>	<b>Hypoxia-active photosensitisers. Where are we?</b> <b>Santi Nonell</b> <i>Institut Químic de Sarrià, Universitat Ramon Llull, Barcelona, Spain</i>	
<b>15:15</b>	<b>BODIPY-Based Photothermal Agents with Unprecedented Phototoxic Indexes under Normoxic and Hypoxic Conditions</b> <b>Bernhard Spingler<sup>1</sup>, L. Schneider<sup>1</sup>, M. Kalt<sup>1</sup>, S. Koch<sup>1</sup>, S. Sithampanathan<sup>1</sup>, V. Villiger<sup>1</sup>, J. Mattiat<sup>1</sup>, F. Kradolfer<sup>1</sup>, E. Slyshkina<sup>1</sup>, S. Luber<sup>1</sup>, M. Bonmarin<sup>2</sup> and C. Maake<sup>1</sup></b> <i>1:University of Zurich, Zurich, Switzerland 2:Zurich University of Applied Sciences, Winterthur, Switzerland</i>	

**15:30 - 16:00 Coffee Break**

<b>P</b>	<b>Poster Session</b>
<b>16:00</b> – <b>17:00</b>	<b>Get in Touch with the presenters at their Posters</b>

<b>S10</b> 17:00-18:00	<b>PDT in Dermatology 2</b>	<b>Chair(s):</b> Carsten Phillip; Xiuli Wang
<b>17:00</b>	<b>SmartPDT®: a digital solution for natural daylight PDT in dermatology</b> <b>Dagmar Richter-Hintz<sup>1</sup>, R. Temple<sup>2</sup>, E. Simeone<sup>2</sup> and M. Morelli<sup>2</sup></b> <i>1:Praxis für Dermatologie, Erfstadt 2:siHealth Ltd, Harwell Campus, Oxfordshire, UK</i>	
<b>17:15</b>	<b>A prospective, randomized, multicenter study comparing the efficacy of ALA-PDT with isotretinoin for moderate-to-severe acne vulgaris</b> <b>Lei Shi<sup>1</sup>, L. Zhang<sup>2</sup>, Y. Yang<sup>2</sup>, B.Wang<sup>3,4</sup>, Y. Zhao<sup>2</sup>, P. Wang<sup>2</sup>, J. Liu<sup>2</sup>, J. Yang<sup>2</sup>, Y. Wu<sup>2</sup>, T. Lv<sup>1</sup>, Z. Wei<sup>5</sup>, X. Liu<sup>2</sup>, R. Wang<sup>6</sup>, H. Wong<sup>3</sup>, Q. Ju<sup>5</sup> and X. Wang<sup>2</sup></b> <i>1:Department of Dermatology, Huadong Hospital Affiliated to Fudan University, China 2:Shanghai Skin Disease Hospital, Institute of Photomedicine, Tongji University School of Medicine, China 3:Department of Dermatology, University of Michigan, Ann Arbor, Michigan 4:Department of Dermatology, Avera Medical Group Dermatology Aberdeen, Aberdeen, South Dakota 5:Department of Dermatology, Renji Hospital, School of Medicine, Shanghai, Jiaotong University, Shanghai, China 6:Clinical Research Center, Shanghai Skin Disease Hospital, Tongji University, Shanghai, China</i>	
<b>17:30</b>	<b>Clinical evaluation of MAL-PDT in patients with multiple AK of the face and scalp with an artificial white light irradiation device (DermaRis®) and a short illumination duration (35 minutes).</b> <b>M. Fronville<sup>1</sup>, M. Creusot<sup>1</sup> and Serge R. Mordon<sup>2</sup></b> <i>1:Centre Dermatologique du Roy, Plancenoit, Lasne, Belgium 2:Hemerion Therapeutics, Villeneuve d'Ascq, France</i>	
<b>17:45</b>	<b>Hemoporphin-mediated photodynamic therapy for the treatment of port-wine stain: A multicenter retrospective study</b> <b>Yan Yan and B. Wang; presented by Zheng Huang</b> <i>Department of Dermatology, Plastic Surgery Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China</i>	

**18:05 - 18:40 Voluntary Public Service in Kochel am See**

<b>18:05</b>	<b>Social Service in Kochel am See: Mountain &amp; Water Rescue Service</b>
<b>18:20</b>	<b>New Rescue Center in Kochel am See - Visit of Construction Site</b>

<b>S11</b> 08:30-09:30	<b>In-Vitro &amp; In-Vivo Studies</b>	<b>Chair(s):</b> Herbert Stepp; Daniela dos Santos
<b>08:30</b>	<b>Photodynamic Therapy against Chemo-resistant Cancer cells</b> <b>Paromita Sarbadhikary</b> , B. P. George and H. Abrahamse <i>Laser Research Centre, Faculty of Health Sciences, University of Johannesburg, South Africa</i>	
<b>08:45</b>	<b>Inhibition of Glioblastoma Expansion in Rats Using Near-Infrared Laser: Exploring Mechanisms and Irradiation Protocols</b> <b>Sergei Sokolovski</b> <i>AiPT, Aston University, Birmingham, UK</i>	
<b>09:00</b>	<b>Photochemical internalization with fimaporfin; a summary of in vitro and in vivo models</b> <b>Odrun A. Gederaas</b> <sup>1,2</sup> , H. Dahl <sup>1,2</sup> , M. Lindgren <sup>2</sup> , K. Stigen <sup>2</sup> , A. Høgset <sup>3</sup> , H. Hirschberg <sup>4</sup> , G. Slupphaug <sup>5</sup> , A. Sharma <sup>5</sup> , B. Sporsheim <sup>5</sup> and L. Hagen <sup>5</sup> <i>1:University of Agder, Department of Natural Sciences, UiA, Kristiansand, Norway 2:Norwegian University of Science and Technology, NTNU, Department of Physics, Trondheim, Norway 3:PCI Biotech AS, Oslo, Norway 4:Beckman Laser Institute and Medical Clinic, University of California, Irvine, CA, USA 5:Norwegian University of Science and Technology, NTNU, Department of Clinical and Molecular Medicine, Trondheim, Norway</i>	
<b>09:15</b>		
<b>K6</b>	<b>Keynote:</b> <b>Light Application and Dosimetry</b>	<b>Chair:</b> Ronald Sroka
<b>09:30</b>	<b>Clinical light application and clinical light dosimetry including image dosimetry in iPDT</b> <b>Gal Shafirstein &amp; Emily Oakley-Gawrys</b> <i>Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA</i>	

**10:00 - 10:30 Coffee Break**

<b>S12</b> 10:30-11:30	<b>Light Dosimetry and Light Application</b>	<b>Chair(s):</b> Timothy Zhu; Adrian Rühm
<b>10:30</b>	<b>Treatment Planning Tool Robustness Under Source Power Uncertainty</b> <b>Shuran Wang</b> <sup>1</sup> , T. Saeidi <sup>2</sup> , L. Lilge <sup>2,3</sup> and V. Betz <sup>1</sup> <i>1:Edward S. Rogers Sr. Dept. of Elec. &amp; Comp. Engineering, University of Toronto, Toronto, ON, Canada 2:Department of Medical Biophysics, University of Toronto, Toronto, ON, Canada 3:Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada</i>	
<b>10:45</b>	<b>Impact of Photosensitizer Heterogeneity on Photodynamic Therapy Treatment Planning: Insights from Simulated Brain Tumor Models</b> <b>Tina Saeidi</b> <sup>1</sup> , S. Wang <sup>2</sup> , H. Contreras <sup>1</sup> , M. Daly <sup>1</sup> , V. Betz <sup>2</sup> and L. Lilge <sup>1,3</sup> <i>1:Department of Medical Biophysics, University of Toronto, Toronto, ON, Canada 2: Edward S. Rogers Sr. Dept. of Elec. &amp; Comp. Engineering, University of Toronto, Toronto, ON, Canada 3:Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada</i>	
<b>11:00</b>	<b>A Novel Method to Evaluate Tissue Optical Properties and Their Impact on Light Dose Volume Histogram in Interstitial Photodynamic Therapy</b> <b>Emily Oakley-Gawrys</b> , S. Chamberlain, E. Sperryak, A. Hutson and G. Shafirstein <i>Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA</i>	
<b>11:15</b> <i>rescheduled from Tuesday 11:30</i>	<b>Optoelectronic Nanomaterials and Flexible Devices for Photodynamic Therapy</b> <b>Qingyan Jia</b> and L. Peng <i>Frontiers Science Center for Flexible Electronics (FSCFE), Xi'an Institute of Flexible Electronics (IFE), and Xi'an Institute of Biomedical Materials &amp; Engineering (IBME), Northwestern Polytechnical University, Xian, China</i>	

<b>S13</b> 11:30-12:30	<b>Photosensitizers 2 (aPDT)</b>	<b>Chair(s):</b> Céline Frochet; Tiziano Schweizer
<b>11:30</b>	<b>High-fluence accelerated photoactivated chromophore for keratitis cross-linking (PACK-CXL) to treat porcine corneas infected with Staphylococcus aureus or Pseudomonas aeruginosa</b> N.-J. Lu <sup>1</sup> , Hendrik. Koliwer-Brandl <sup>2</sup> , A. Egli <sup>2</sup> and F. Hafezi <sup>1</sup> <i>1:Ocular Cell Biology Group, Center of Applied Biotechnology and Molecular Medicine, University of Zurich, Zurich, Switzerland 2:Institute of Medical Microbiology, University of Zurich, Zurich, Switzerland</i>	
<b>11:45</b>	<b>Near-infrared targeted guanidinium-porphyrin conjugates for antimicrobial photodynamic therapy</b> Auguste Eclancher <sup>1</sup> , N. S. Alavijeh <sup>1</sup> , C. Aisenbrey <sup>2</sup> , B. Bechinger <sup>2</sup> , P. Laval <sup>3</sup> and V. Heitz <sup>1</sup> <i>1:Laboratoire de Synthèse des Assemblages Moléculaires Multifonctionnels, UMR 7177, Institut de Chimie de Strasbourg, Strasbourg, France 2:Biophysique des membranes et RMN, UMR 7177, Institut de Chimie de Strasbourg, Strasbourg, France 3:Biomatériaux et bioingénierie, Inserm UMR-S 1121, Faculté de médecine de Strasbourg, Strasbourg, France</i>	
<b>12:00</b>	<b>Photoactivatable Rhenium(I) complexes: Tuning the excitation wavelength and 1O<sub>2</sub>/CO production for antibacterial therapy</b> Valentine Guilbaud <sup>1</sup> , P. Kumar <sup>2</sup> , E. Delfourne <sup>1</sup> , C. Vannucci-Bacqué <sup>1</sup> , M. Boggio-Pasqua <sup>2</sup> , I.M. Dixon <sup>2</sup> , E. Benoist <sup>1</sup> and S. Fery-Forgues <sup>1</sup> <i>1:Laboratoire SPCMIB, Université de Toulouse III, Toulouse, France 2:LCPQ, CNRS/Université Toulouse III, Toulouse, France</i>	
<b>12:15</b>	<b>Antibacterial Evaluation of New Ru(II) Polypyridyl Photosensitisers for Photodynamic Therapy</b> Maria Auset <sup>1</sup> , C. Rodríguez <sup>1</sup> , I. Romero <sup>2</sup> , R. Núñez <sup>3</sup> and S. Nonell <sup>1</sup> <i>1:Institut Químic de Sarrià, Universitat Ramon Llull, Barcelona, Spain 2:Departament de Química and Serveis Tècnics de Recerca, Universitat de Girona, Girona, Spain 3:Institut de Ciència de Materials de Barcelona (ICMAB-CSIC), Campus UAB, Bellaterra, Spain</i>	

**12:30 - 13:30 Lunch**

<b>S14</b> 13:30-14:30	<b>Neurosurgery</b>	<b>Chair(s):</b> Herbert Stepp; Adrian Rühm
<b>13:30</b>	<b>Long term follow-up of patients with newly diagnosed glioblastoma treated by intraoperative photodynamic therapy: an update from the INDYGO trial (NCT03048240)</b> Nicolas Reys <sup>1,2</sup> , I. Peciu <sup>2</sup> , Q. Vannod Michel <sup>3</sup> , A. Monfillette <sup>4</sup> , E. Vauleon <sup>4</sup> , and Serge Mordon <sup>5</sup> <i>1:Univ. Lille, Inserm, CHU Lille, U1189 - ONCO-THAI –Laser Assisted Therapies and Immunotherapies for Oncology, Lille, France 2:CHU Lille, Neurosurgery Dept, Lille, France 3:CHU Lille, Neuroradiology Dept, Lille, France 4:CHU Lille, Neuro-oncology Dept, Lille, France 5:Past director, Inserm, CHU Lille, U1189 - ONCO-THAI –Laser Assisted Therapies and Immunotherapies for Oncology, Lille, France Department of Neurosurgery, Lille University Hospital, France</i>	
<b>13:45</b> <b>VIDEO</b>	<b>Promotion, domestic distribution and clinical contribution of PDT for malignant brain tumors~10 years' experience in Japan</b> Jiro Akimoto <sup>1,2</sup> , S. Fukami <sup>2</sup> , Kenta Nagai <sup>2</sup> , Y. Saito <sup>2</sup> and M. Kohno <sup>2</sup> <i>1:Kohsei Chuo General Hospital, Tokyo, Japan 2:Department of Neurosurgery, Tokyo Medical University, Tokyo, Japan</i>	
<b>14:00</b>	<b>Efficacy of interstitial photodynamic therapy using talaporfin sodium and a semiconductor laser for a mouse allograft glioma model</b> Kenta Nagai <sup>1</sup> , J. Akimoto <sup>1</sup> , S. Fukami <sup>1</sup> , Y. Saito <sup>1</sup> , E. Ogawa <sup>2</sup> , M. Takanashi <sup>3</sup> , M. Kuroda <sup>3</sup> and M. Kohno <sup>1</sup> <i>1:Department of Neurosurgery, Tokyo Medical University, Tokyo, Japan 2:Faculty of Science and Technology, Tokyo, Japan 3:Department of Molecular Pathology, Tokyo Medical University, Tokyo, Japan</i>	
<b>14:15</b>	<b>MRI Changes after interstitial photodynamic therapy for malignant gliomas</b> Mohamed El Fahim <sup>1</sup> , M. Aumiller <sup>1,2</sup> , M. Foglar <sup>1</sup> , H. Stepp <sup>1,2</sup> , A. Buchner <sup>2</sup> , S. Quach <sup>3</sup> , K. Bochmann <sup>4,5</sup> , R. Forbrig <sup>4</sup> , N. Thon <sup>3</sup> , R. Sroka <sup>1,2</sup> and A. Rühm <sup>1,2</sup> <i>1:Laser-Forschungslabor, LIFE Center, University Hospital, LMU Munich, Munich, Germany 2:Department of Urology, University Hospital, LMU Munich, Munich, Germany 3:Department of Neurosurgery, University Hospital, LMU Munich, Munich, Germany 4:Max Planck Institute for Psychiatry, Max Planck Society, Munich, Germany 5:Institute of Neuroradiology, University Hospital, LMU Munich, Munich, Germany</i>	

<b>S15</b> 14:30-15:00	<b>Endoscopic and Endovascular Light Delivery</b>	<b>Chair(s): Herbert Stepp; Tina Saedi</b>
<b>14:30</b>	<b>Endovascular light delivery for downstaging of Prostate Cancer: A Proof-of-Concept Study in the Porcine</b> A. Garcia <sup>1</sup> , T. Saeidi <sup>2</sup> , J. Verde <sup>1</sup> , F. Wanert <sup>1</sup> , I. Spiridon <sup>3</sup> , A. Schmid <sup>4</sup> , L. Swanstrom <sup>1</sup> , <b>Lothar Lilge</b> <sup>2,5</sup> , and A. Bogaards <sup>6</sup> <i>1:IHU Strasbourg, Institute for image-guided surgery, Strasbourg, France 2:Department of Medical Biophysics, University of Toronto, Toronto, Canada 3:Department of Pathology, Grigore T. Popa University, Iasi, Romania 4:Institute of Radiology, Universitätsklinikum Erlangen, Erlangen, Germany 5:Princess Margaret Cancer Centre, University Health Network, Toronto, Canada 6:Vascular Oncology Biotechnologies B.V., the Netherlands</i>	
<b>14:45</b>	<b>Multicolor endoscopic source for intragastric phototherapy against Helicobacter pylori</b> <b>Giovanni Romano</b> <sup>1</sup> , G. Insero <sup>1</sup> , F. Fusi <sup>1</sup> , B. Orsini <sup>1,2</sup> , R.G. Donato <sup>1</sup> , F. Rossi <sup>3</sup> , G. Magni <sup>3</sup> , M. Biagini <sup>1</sup> , G. Lami <sup>4</sup> , M. Seghi <sup>5</sup> , P. Marconi <sup>6</sup> and A. Barducci <sup>6</sup> <i>1:Dept. of Experimental and Clinical Biomedical Sciences "Mario Serio", University of Florence, Florence, Italy 2 Probiomedica srl, Florence, Italy 3:Institute of Applied Physics "Nello Carrara" (IFAC-CNR), Florence, Italy 4:AOUUC, Clinical Gastroenterology, Florence, Italy 5:P.C.E. Computer System srl, Pistoia, Italy 6:Italian Color Solutions srl, Agliana, Italy</i>	
<b>K7</b>	<b>Keynote: Antibacterial PDT</b>	<b>Chair: Ronald Sroka</b>
<b>15:00</b>	<b>Breaking down the resistance of bacteria to antibiotics</b> <b>Vanderlei Bagnato</b> <i>Universidade de São Paulo, Brazil BMEN – Texas A&amp;M University, USA</i>	

**15:30 - 16:00 Coffee Break**

<b>S16</b> 16:00-17:00	<b>Wound Healing &amp; Wound Disinfection</b>	<b>Chair(s): Vanderlei Bagnato; Max Aumiller</b>
<b>16:00</b>	<b>A novel chlorine derivative ShengTaiBuFen mediated photodynamic therapy on a mouse wound model infected with methicillin-resistant Staphylococcus aureus</b> S. Wu <sup>1</sup> , J. Huang <sup>1</sup> , L. Shi <sup>1</sup> , M. Wu <sup>1</sup> , J. Shi <sup>2</sup> , H. Tao <sup>2</sup> , X. Wang <sup>2</sup> , S. Li <sup>3</sup> and <b>Hongwei Wang</b> <sup>1</sup> <i>1:Department of Dermatology, Huadong Hospital, Fudan University, Shanghai, China 2:Shanghai Skin Disease Hospital, Institute of Photomedicine, Tongji University School of Medicine, Shanghai, China 3:Department of Dermatology, The Fifth People's Hospital of Suzhou, The Affiliated Hospital of Infectious Diseases of Soochow University, Suzhou, Jiangsu, China</i>	
<b>16:15</b>	<b>Nail penetration enhancer vesicles loaded with methylene blue for photodynamic therapy mediated treatment of onychomycosis</b> <b>Sara A. Abdel Gaber</b> <sup>1</sup> and M. Nasr <sup>2</sup> <i>1:Nanomedicine Department, Institute of Nanoscience and Nanotechnology, Kafrelsheikh University, Kafrelsheikh, Egypt 2:Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Ain Shams University, Egypt</i>	
<b>16:30</b>	<b>Rose Bengal diacetate-based antimicrobial photodynamic therapy: potentiation by potassium iodide and acceleration of wound healing in MRSA-infected diabetic mice</b> D. Wei <sup>1,2</sup> , M. R. Hamblin <sup>3</sup> , H. Wang <sup>1,2</sup> , R. Fekrazad <sup>4</sup> and <b>Xiang Wen</b> <sup>1</sup> <i>1: Department of Dermatology, West China Hospital, Sichuan University, Chengdu, China 2:Laboratory of Dermatology, West China Hospital, Sichuan University, Chengdu, China 3:Laser Research Centre, Faculty of Health Science, University of Johannesburg, Doornfontein, South Africa 4:Radiation Sciences Research Center, Laser Research Center in Medical Sciences, AJA University of Medical Sciences, Tehran, Iran</i>	
<b>16:45</b>		

**19:00 Dinner at Heimatbühne**

**Dinner and Award Ceremony at Heimatbühne Kochel am See**

<b>S17</b> 08:30-09:30	<b>Immune Response and Cell Death Mechanisms</b>	<b>Chair(s):</b> Santi Nonell; Daniela dos Santos
<b>08:30</b>	<b>Photo indexes are irrelevant to predict in vivo response of photomedicine drugs: a case study comparing photocaging of RAD51 inhibitor by ruthenium</b>	
	<b>Ludovic Bretin<sup>1</sup></b> , C. van de Griend <sup>1</sup> , M. van Ginkel <sup>1</sup> , S. Zander <sup>2</sup> , R. T. Dame <sup>1</sup> and S. Bonnet <sup>1</sup> <i>1:Leiden Institute of Chemistry, Leiden University, Gorlaeus Laboratories, Leiden, The Netherlands</i> <i>2:Experimental Animal Pathology, Netherlands Cancer Institute, Amsterdam, The Netherlands</i>	
<b>08:45</b>	<b>The limited effect of FAP-tPDT on immune cells in a 3D collagen model of systemic sclerosis</b>	
	<b>Daphne N. Dorst<sup>1</sup></b> , T. Papadimitriou <sup>1</sup> , E.L. Vitters <sup>1</sup> , B. Walgreen <sup>1</sup> , M.M.A. Helsen <sup>1</sup> , C. Klein <sup>2</sup> , M.C. Vonk <sup>3</sup> , P.M. van der Kraan <sup>1</sup> , A.P.M. van Caam <sup>1</sup> and M.I. Koenders <sup>1</sup> <i>1.Department of Experimental Rheumatology, Radboud University Medical Centre, Nijmegen, The Netherlands</i> <i>2:Roche Pharma Research and Early Development, Roche Innovation Center Zurich, Schlieren, Switzerland</i> <i>3:Department of Rheumatology, Radboud University Medical Center, Nijmegen, The Netherlands</i>	
<b>09:00</b>	<b>Low-dose photodynamic therapy: a new cell mechanism discovered thanks to polymeric nanovectors</b>	
	<b>Tiffany Champion</b> , P. Vicendo, A.-F. Mingotaud and L. Gibot <i>Laboratoire Softmat, Université de Toulouse, CNRS UMR 5623, Université Toulouse III – Paul Sabatier, Toulouse, France</i>	
<b>09:15</b>	<b>Study on the effect and mechanism of ALA-PDT in promoting the formation of tertiary lymphoid structures to inhibit cutaneous squamous cell carcinoma</b>	
<b>rescheduled to Tue 11:45</b>	<b>Y. Wu</b> , G. Yan, X. Wang and <b>Guolong Zhang</b> <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai, China</i>	
<b>S18</b> 09:30-10:00	<b>Microscopy - Metabolic Imaging</b>	<b>Chair(s):</b> Timothy Zhu; Steffen Hackbarth
<b>09:30</b>	<b>Follow up of oxygen consumption and cell metabolism during PDT using luminescence lifetime imaging</b>	
	<b>Angelika Rueck<sup>1</sup></b> , J. Wieland <sup>1</sup> , K. Reess <sup>1,2</sup> and D. dos Santos <sup>1,2</sup> <i>1:University Ulm, ZBMF, Ulm, Germany</i> <i>2:University Ulm, Core Facility Light Microscopy, Ulm, Germany</i>	
<b>09:45</b>	<b>Optimizing Photodynamic Therapy through Metabolic Intracellular Pattern Segmentation</b>	
	<b>Daniela dos Santos<sup>1,2</sup></b> , K. Reess <sup>1,2</sup> and A. Rueck <sup>1</sup> <i>1:University Ulm, ZBMF, Ulm, Germany</i> <i>2:University Ulm, Core Facility Light Microscopy, Ulm, Germany</i>	
<b>10:00 - 10:30</b>	<b>Coffee Break</b>	



<b>K8</b>	<b>Keynote: One Health One Earth</b>	<b>Chair:</b> Ronald Sroka
<b>10:30</b>	<b>Antimicrobial PDT in a One Health World</b> <b>Kristjan Plaetzer</b> <i>Laboratory of Photodynamic Inactivation of Microorganisms, Department of Biosciences and Medical Biology, Paris Lodron University Salzburg, Austria</i>	
<b>S19</b> 11:00-12:00	<b>PDT in One Earth One Health</b>	<b>Chair(s):</b> Kristjan Plaetzer; Vanderlei Bagnato
<b>11:00</b>	<b>Photodynamic Inactivation against Postharvest Decay Inducing Molds: A Green Technology for Fruit Treatment</b> <b>Linda Jernej<sup>1</sup>, A.-S. Walker<sup>2</sup>, J. Liu<sup>3</sup>, M. Fefer<sup>3</sup> and K. Plaetzer<sup>1</sup></b> <i>1:Laboratory of Photodynamic Inactivation of Microorganisms, Department of Biosciences and Medical Biology, Paris Lodron University Salzburg, Austria 2:Université Paris-Saclay, INRAE, UR BIOGER, Palaiseau, France 3:Suncor AgroScience, Mississauga, ON, Canada.</i>	
<b>11:15</b>	<b>Fly into the Light: Eliminating Drosophila melanogaster with Chlorophyllin-based Photodynamic Inactivation.</b> <b>Andreas Fellner<sup>1</sup>, N. Bresgen<sup>2</sup>, M. Fefer<sup>3</sup>, J. Liu<sup>3</sup> and K. Plaetzer<sup>1</sup></b> <i>1:Laboratory of Photodynamic Inactivation of Microorganisms, Department of Biosciences and Medical Biology, Paris Lodron University of Salzburg, Austria 2:Working Group stress physiology, Department of Biosciences and Medical Biology, Paris Lodron University of Salzburg, Austria 3:Suncor AgroScience, Mississauga, ON, Canada</i>	
<b>11:30</b>	<b>Photodynamic mediated bacteria inactivation in extended seminal plasma fluid</b> <b>Mohammad Varzandeh<sup>1</sup>, A.-M. Luther<sup>2</sup>, C. Beckermann<sup>2</sup>, A. Preuß<sup>1</sup>, D. Waberski<sup>2</sup> and S. Hackbarth<sup>1</sup></b> <i>1:Singlet Oxygen Lab, Humboldt-University of Berlin, Germany 2:Unit for Reproductive Medicine, University of Veterinary Medicine Hannover, Germany</i>	
<b>11:45</b>		

<b>E</b>	<b>Conference Closing</b>
<b>12:00</b>	
-	<b>Closing Remarks Heimatbühne Kochel am See</b>
<b>12:30</b>	

<b>12:30 - 13:30</b>	<b>Lunch</b>
----------------------	--------------

**Program End  
Farewell!**