

Overview

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

Overview

		Session ID	Session/Slot	Chair	Speaker(s)
TUE 17.09.	08:30 - 09:00	O	Opening		Ronald Sroka Adrian Rühm
	09:00 - 10:00	S1	Photosensitizers 1		Jana Alhoussein Suzan Ghaddar Morgane Moinard Sneha Mishra
	10:00 - 10:30	COFFEE			
	10:30 - 11:00	K1	Keynote: <i>Nanoparticles in PDT</i>		Sara Abdel Gaber
	11:00 - 11:45	S2	Nanoparticles for PDT and aPDT		Céline Frochot Mine Demir Qingyan Jia
	11:45 - 12:30	C	45 min Company Pitches	LIFE-Center	
	12:30 - 13:30	LUNCH			
	13:30 - 14:00	K2	Keynote: <i>PDT-related activation mechanisms</i>		Timothy Zhu
	14:00 - 14:30	K3	Keynote: <i>Overview of clinical PDT- related activities / studies worldwide</i>		Colin Hopper
	14:30 - 15:30	S3	Clinical PDT 1		Peter Hillemanns Hiroyuki Kodama Sebastian Kwiatek
	15:30 - 16:00	COFFEE			
	16:00 - 17:00	S4	Clinical PDT 2		Aleksandr Obornev Xiaoyun Wang Timothy Zhu Gal Shafirstein
	17:30	TRANSFER	Bus + cable car (90 min!)		
	19:00	SOCIAL	Dinner at Herzogstand		

Overview

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

Overview

		Session ID	Session/Slot	Chair	Speaker(s)
THU 19.09.	08:30 - 09:30	S11	PDT in-vitro & in-vivo studies		Paromita Sarbadhikary Sergei Sokolovski Dangfeng Wei Odrun Geederas
	09:30 - 10:00	K6	Keynote: Clinical light application and clinical light dosimetry including image-dosimetry in iPDT		Gal Shafirstein
	10:00 - 10:30	COFFEE			
	10:30 - 11:30	S12	Light Dosimetry & Light Application		Shuran Wang Tina Saedi Emily Oakley-Gawrys Alexander Rudl
	11:30 - 12:30	S13	Photosensitizers 2 (aPDT)		Hendrik Koliwer-Brandl Auguste Eclancher Valentine Guilbaud Maria Auset
	12:30 - 13:30	LUNCH			
	13:30 - 14:00	K7	Keynote: Interstitial Photodynamic Therapy in Neurosurgery in Germany		Walter Stummer / Juliane Schröteler
	14:00 - 15:00	S14	PDT in Neurosurgery		Nicolas Reyns Jiro Akimoto Kenta Nagai Mohamed El Fahim
	15:00 - 15:30	S15	Endoscopic & Endovascular Light Delivery		Lothar Lilge Giovanni Romano
	15:30 - 16:00	COFFEE			
	16:00 - 17:00	S16	Wound Healing and Disinfection		Nikita Somov Hongwei Wang Sara Abdel Gaber Xiang Wen
	19:00	SOCIAL	Dinner at Heimatbühne Kochel am See & Award Night		

Overview

		Session ID	Session/Slot	Chair	Speaker(s)
FRI 20.09.	08:30 - 09:30	S17	PDT Mechanisms: Immune Response and Cell Death		Ludovic Bretin Daphne Dorst Tiffany Campion Guolong Zhang
	09:30 - 10:00	S18	Microscopy		Daniela dos Santos Angelika Rueck
	10:00 - 10:30	COFFEE			
	10:30 - 11:00	K8	Keynote: Antimicrobial PDT in a One Health World		Kristjan Plaetzer
	11:00 - 12:00	S19	PDT in One Earth One Health		Linda Jernej Ramtin Rahmanzadeh Andreas Fellner Mohamed Vanderzehr
	12:00 - 12:30	E	Closing		
	12:30 - 13:30	LUNCH			
		Program End			

Session	PDT-School	Chair(s): Ronald Sroka; Adrian Rühm; Max Aumiller
	Topic	Lecturer
13:00 – 13:45	Chemistry in PDT: Molecular aspects, photophysics, photochemistry, selectivity, lethal dose, photosensitizer, etc.	Santi Nonell
13:45 – 14:30	Biology in PDT: Mechanisms of cell death, bacteria vs cell, selectivity, lethal dose, cell and immune response; role of $1O_2$ and ROS, etc.	Tim Maisch

14:30 - 15:00	Coffee Break
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15:00 – 15:45	Physics in PDT: Laser and light sources, light application system, dosimetry concepts, monitoring concepts, temperature, etc.	Lothar Lilge
15:45 – 16:15	Basics of Antimicrobial PDT and its application in human medicine, plant protection and food safety	Kristjan Plaetzer
16:15 – 16:45	PDT in the Clinics: Oncologic and non-oncologic application and treatment possibilities.	Xiuli Wang
16:45 – 17:15	Discussion & Round Table	Ronald Sroka

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

O	Opening
08:30 - 09:00	Conference and Opening Remarks at Heimatbühne

S1	Photosensitizers 1	Chair(s)
09:00-10:00		
09:00	Design of novel generation of Porphysomes with improved and tunable photothermal photodynamic properties against prostate cancer cells	
	Jana Alhoussein <i>Institut Galien Paris-Saclay</i>	
09:15	New Photosensitizers Encapsulated within Arene-Ruthenium Complexes Active in Photodynamic Therapy: Intracellular Signaling and Evaluation in Colorectal Cancer Models	
	Suzan Ghaddar <i>Univ. Limoges, LABCiS, UR 22722, Faculty of Pharmacy, F-87000 Limoges, France</i> <i>Laboratory TMPA, Lebanese University, Beirut, Lebanon</i>	
09:30	Deciphering the Impact of Alpha vs. Gamma Coupling in Folic Acid Analogues: Implications for Photodynamic Therapy in Ovarian Cancer	
	Morgane Moinard <i>Université de Lorraine, CNRS, LRGP, F-54000 Nancy, France</i>	
09:45	Near infrared absorbing Curcuminoid BF2 chelate for applications in Photodynamic therapy	
	Sneha Mishra <i>School of Chemical Sciences, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina, Santacruz (E), Mumbai- 400098, India</i>	

10:00 - 10:30	Coffee Break
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K1	Keynote: Nanoparticles	Chair(s)
10:30	Nanoparticles in PDT	
	Sara Abdel Gaber <i>Institute of Nanoscience and Nanotechnology, Kafrelsheikh University, Egypt</i>	
S2	Nanotechnology for PDT	Chair(s)
11:00-11:45		
11:00	X-ray activated PDT with AGuIX nanoparticles	
	Céline Frochot <i>Université de Lorraine, CNRS, France</i>	
11:15	Gold sulfide nanoparticles for image-guided long wavelength photothermal-/radio-combination therapy using folate receptor targeting	
	Mine Demir <i>Department of Chemistry, Graduate School of Sciences and Engineering, Koç University, 34450, İstanbul, Türkiye</i>	
11:30	Optoelectronic Nanomaterials and Flexible Devices for Photodynamic Therapy	
	Qingyan Jia <i>Institute of Flexible Electronics, Northwestern Polytechnical University, China</i>	
11:45	Study on the effect and mechanism of ALA-PDT in promoting the formation of tertiary lymphoid structures to inhibit cutaneous squamous cell carcinoma	
<i>rescheduled from Friday 9:15</i>	Guolong Zhang <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai 200443, China</i>	
C	Company Pitches	Chair(s): LIFE-Center
12:00	12:10 Omicron	(4 min)
-	12:15 Oberon	(2 min)
12:30	12:18 Modulight	(4 min)
	12:23 Life Photonics	(1 min)

12:25 MedLight (3 min)
1 min gap between pitches

12:30 - 13:30 Lunch

K2	Keynote: Different PDT Mechanisms
13:30	PDT-related activation mechanisms
	Timothy Zhu
	<i>Department of Radiation Oncology, University of Pennsylvania, Philadelphia, PA, USA</i>
K3	Keynote: Clinical PDT
14:00	Overview of clinical PDT-related activities & studies worldwide
	Colin Hopper
	<i>University College London, UK</i>
S3	Clinical PDT 1
14:30-15:30	Chair(s)
14:30	APL-1702 efficacy for reducing the histological grade of cervical precancerous lesions: results from a randomized phase 3 global study.
	Peter Hillemanns
	<i>Hannover Medical School, Hannover, Germany</i>
14:45	Photoimmunotherapy with ASP-1929 for Head and Neck Cancer: Innovative Approaches for Difficult-to-Illuminate Tumors
	Hiroyuki Kodama
	<i>Rakuten Medical Inc.</i>
15:00	Autofluorescence endoscopy in modern endoscopic therapies of Barrett's Esophagus.
	Sebastian Kwiatek
	<i>Department of Endoscopy. Hospital MSWiA in Katowice, Poland</i>
15:15	Autofluorescence imaging in endoscopic therapy of colorectal laterally spreading tumors (LST).
	Sebastian Kwiatek
	<i>Department of Endoscopy. Hospital MSWiA in Katowice, Poland</i>

15:30 - 16:00 Coffee Break

S4	Clinical PDT 2
16:00-17:00	Chair(s)
16:00	Results of Photodynamic Therapy of Intrathoracic Malignant Tumors
	Aleksandr Osbornev
	<i>Saint-Petersburg State Research Institute of Phthisiopulmonology</i>
16:15	Comparative study of ALA-PDT and LEEP treatment of cervical high-grade squamous intraepithelial lesions
	Xiaoyun Wang
	<i>Department of Gynecology, The Second Affiliated Hospital of Zhejiang University School of Medicine</i>
16:30	Palliative X-Ray Radiotherapy Enhancing Tumor Response to Interstitial Photodynamic Therapy
	Gal Shafirstein
	<i>Roswell Park Comprehensive Cancer Center, Buffalo, USA</i>
16:45	Real-time Navigation system for pleural PDT
	Timothy Zhu
	<i>Department of Radiation Oncology, University of Pennsylvania, Philadelphia, PA, USA</i>
17:00	Sc. Session Closed Organisatory Announcement for Social Event

Mountain hut dinner at Herzogstand	
17:30	Bus transfer to cable car, meet in front of the conference venue (Heimatbühne)
19:00	Dinner at Herzogstand Mountain Hut

K4	Keynote: aPDT	Chair(s)
08:30	Breaking down the resistance of bacteria to antibiotics	
	Vanderlei Bagnato	
	<i>Universidade de São Paulo, Brazil</i>	
	<i>BMEN – Texas A&M University, USA</i>	
S5	Clinical aPDT: Infections and Surgery	Chair(s)
09:00-10:00		
09:00	Antimicrobial photodynamic activity of chlorophyllin against <i>Pseudomonas aeruginosa</i>	
	Mona Mahmoud	
	<i>Department of Biology, Microbiology Division, Friedrich-Alexander-Universität Erlangen-Nürnberg, 91058 Erlangen, Germany.</i>	
	<i>Dairy Department, National Research Centre, Dokki, Giza 12622, Egypt.</i>	
09:15	Pulmonary antimicrobial photodynamic therapy: comparison of two clinically-approved nebulizers to deliver ruthenium(II) polypyridyl complex and curcumin	
	Tony Le Gall	
	<i>INSERM, Univ Brest, EFS, UMR 1078, GGB-GTCA, 29200 Brest, France</i>	
09:30	Photodynamic therapy with protoporphyrin IX precursors using artificial daylight improves skin antisepsis for orthopaedic surgeries	
	Tiziano Angelo Schweizer	
	<i>Department of Dermatology, University Hospital Zurich, University of Zurich, Switzerland</i>	
09:45	Methylene blue- mediated photodynamic therapy in an alveolar model: antimicrobial, kinetics and cytotoxicity studies	
	Ana Juliá Barbosa Tomé	
	<i>University of São Paulo</i>	

10:00 - 10:30 Coffee Break

S6	Photodynamic Inactivation and Disinfection	Chair(s)
10:30-11:45		
10:30	Determination of the optimal effective concentration combination (OECC) for binary applications of antiseptics with antimicrobial PDT	
	Tim Maisch	
	<i>Department of Dermatology, University Hospital Regensburg, 93053 Regensburg, Germany</i>	
10:45	Can UVC Light Safely Suppress Airborne Infections? An innovative approach from in vitro to in vivo experiments	
	Giacomo Insero	
	<i>Department of Experimental and Clinical Biomedical Sciences, University of Florence, Italy</i>	
11:00	ANTIMICROBIAL PHOTODYNAMIC INACTIVATION – AN EFFICIENT APPROACH IN THE FIGHT AGAINST MICROBIAL BIOFILMS	
	Helena Bujdaková	
	<i>Comenius University in Bratislava, Faculty of Natural Sciences, Department of Microbiology and Virology</i>	
11:15	Photodynamic disintegration of bacteria for single cell diagnostics	
	Rainer Wittig	
	<i>Biology group, Institute for Laser Technologies in Medicine & Metrology at Ulm University, Ulm, Germany</i>	
11:30	Nanoagents and wearable devices for antimicrobial phototherapy	
	Peng Li	
	<i>Northwestern Polytechnical University, China</i>	

S7 11:45-12:30	Dermatology 1	Chair(s)
11:45	Update on photodynamic therapy for acne vulgaris in China	
	LingLin Zhang	
	<i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai 200443, China</i>	
12:00	IPL-PDT is an effective treatment for moderate-to-severe rosacea: a prospective, single-center, self-controlled study	
	Jia Yan	
	<i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai 200443, China</i>	
12:15	Neoadjuvant use of photodynamic therapy for Skin Tumors	
	Xiuli Wang	
	<i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai 200443, China</i>	

12:30 - 13:30 Lunch

K5 12:30	Keynote: Oxygen	Chair(s)
	Singlet Oxygen Detection in PDT	
	Steffen Hackbarth	
	<i>Humboldt-Universität zu Berlin, Germany</i>	
S8 14:00-15:00	Oxygen in PDT	Chair(s)
14:00	Molecular mechanism of Br-SQ-C4 phototoxicity: the role of Ca²⁺ and ROS interplay	
	Francesca Bianco	
	<i>Department of Life Sciences and Systems Biology, NIS Interdepartmental, University of Torino, Italy</i>	
14:15	Singlet Oxygen in the heart of the photodynamic process	
	Philippe Arnoux	
	<i>CNRS LRGP Nancy France</i>	
14:30	Singlet oxygen luminescence detection using superconducting strip photon detector	
	Zheng Huang	
	<i>Fujian University, China</i>	
14:45	Continuous singlet oxygen luminescent dosimetry (CSOLD) for PDT	
	Timothy Zhu	
	<i>Department of Radiation Oncology, University of Pennsylvania, Philadelphia, PA, USA</i>	
S9 15:00-15:30	Hypoxia and PDT	Chair(s)
15:00	Hypoxia-active photosensitisers. Where are we?	
	Santi Nonell	
	<i>IQS-Universitat Ramon Llull, Spain</i>	
15:15	BODIPY-Based Photothermal Agents with Unprecedented Phototoxic Indexes under Normoxic and Hypoxic Conditions	
	Bernhard Spingler	
	<i>University of Zurich</i>	

15:30 - 16:00 Coffee Break

<i>P</i>	Poster Session	Chair(s)
16:00 – 17:00	Get in Touch with the presenters at their Posters	
S10 17:00-18:00	PDT in Dermatology 2	Chair(s)
17:00	SmartPDT®: a digital solution for natural daylight PDT in dermatology	
	Dagmar Richter-Hintz	
	<i>Praxis für Dermatologie, Erfstadt</i>	
17:15	A prospective, randomized, multicenter study comparing the efficacy of ALA-PDT with isotretinoin for moderate-to-severe acne vulgaris	
	Lei Shi	
	<i>Department of Dermatology, Huadong Hospital Affiliated to Fudan University, China</i>	
17:30	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).	
	Serge Mordon	
	<i>Hemerion Therapeutics</i>	
17:45	Hemoporphin-mediated photodynamic therapy for the treatment of port-wine stain:A multicenter retrospective study	
	Yan Yan	
	<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
18:05	Social Service in Kochel am See: Mountain & Water Rescue Service
18:20	New Rescue Center in Kochel am See - Visit of Construction Site

S11	In-Vitro & In-Vivo Studies	Chair(s)
08:30-09:30		
08:30	Photodynamic Therapy against Chemo-resistant Cancer cells	
	Paromita Sarbadhikary	
	<i>Laser Research Centre, Faculty of Health Sciences, University of Johannesburg, South Africa</i>	
08:45	Inhibition of Glioblastoma Expansion in Rats Using Near-Infrared Laser: Exploring Mechanisms and Irradiation Protocols	
	Sergei Sokolovski	
	<i>AIPT, Aston University, Birmingham, UK</i>	
09:00	Imaging and Selective Photokilling of Colorectal Cancer with a Near-Infrared A33scFv-Fc-IR700 Conjugate	
	Dangfeng Wei	
	<i>Department of Dermatology, West China Hospital, Sichuan University, Chengdu 610041, China</i>	
09:15	Photochemical internalization with fimaporfin; a summary of in vitro and in vivo models	
	Odrun Geederas	
	<i>University of Agder, Department of Natural Sciences, UiA, Kristiansand, Norway</i>	
K6	Keynote:	Chair(s)
	Light Application and Dosimetry	
09:30	Clinical light application and clinical light dosimetry including image dosimetry in i PDT	
	Gal Shafirstein	
	<i>Roswell Park Comprehensive Cancer Center, Buffalo, USA</i>	

10:00 - 10:30 Coffee Break

S12	Light Dosimetry and Light Application	Chair(s)
10:30-11:30		
10:30	Treatment Planning Tool Robustness Under Source Power Uncertainty	
	Shuran Wnag	
	<i>Department of Electrical and Computer Engineering, University of Toronto</i>	
10:45	Impact of Photosensitizer Heterogeneity on Photodynamic Therapy Treatment Planning: Insights from Simulated Brain Tumor Models	
	Tina Saeidi	
	<i>University of Toronto(ON), Canada</i>	
	<i>University Health Network, Toronto(ON), Canada</i>	
11:00	A Novel Method to Evaluate Tissue Optical Properties and Their Impact on Light Dose Volume Histogram in Interstitial Photodynamic Therapy	
	Emiliy Oakley-Gawrys	
	<i>Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA</i>	
11:15	Advanced Cylindrical Diffuser Body with X-ray Visibility Properties	
	Alexander Rudl	
	<i>Schott AG, Mainz, Germany</i>	

S13	Photosensitizers 2 (aPDT)	Chair(s)
11:45-12:30		
11:30	High-fluence accelerated photoactivated chromophore for keratitis cross-linking (PACK-CXL) to treat porcine corneas infected with Staphylococcus aureus or Pseudomonas aeruginosa	
	Hendrik Koliwer-Brandl	
	<i>Institute of Medical Microbiology, University of Zurich, Switzerland</i>	
11:45	Near-infrared targeted guanidinium-porphyrin conjugates for antimicrobial photodynamic therapy	
	Auguste Eclancher	
	<i>Université de Strasbourg, Strasbourg, France</i>	
12:00	Photoactivatable Rhenium(I) complexes: Tuning the excitation wavelength and 1O₂/CO production for antibacterial therapy	
	Valentine Guilbaud	
	SPCMIB	
12:15	Antibacterial Evaluation of New Ru(II) Polypyridyl Photosensitisers for Photodynamic Therapy	
	Marie Auset	
	<i>IQS-Universitat Ramon Llull, Spain</i>	

12:30 - 13:30 Lunch

K7	Keynote: Neurosurgery	Chair(s)
12:30	Interstitial Photodynamic Therapy in Neurosurgery in Germany	
	Walter Stummer, Juliane Schröter	
	<i>Department of Neurosurgery University Hospital Münster, Germany</i>	
	<i>Department of Neurosurgery, Hospital Osnabrück, Germany</i>	
S14	Neurosurgery	Chair(s)
13:00-14:00		
13:00	Long term follow-up of patients with newly diagnosed glioblastoma treated by intraoperative photodynamic therapy: an update from the INDYGO trial (NCT03048240)	
	Nicholas Reyns	
	<i>Department of Neurosurgery, Lille University Hospital, France</i>	
13:15	Promotion, domestic distribution and clinical contribution of PDT for malignant brain tumors~10 years' experience in Japan	
	Jiro Akimoto	
	<i>Kohsei Chuo General Hospital</i>	
13:30	Efficacy of interstitial photodynamic therapy using talaporfin sodium and a semiconductor laser for a mouse allograft glioma model	
	Kenta Nagai	
	<i>Tokyo Medical University Hospital, Tokyo, Japan</i>	
13:45	MRI Changes after iPDT for malignant gliomas	
	Mohamed El Fahim	
	<i>Laserforschungslabor, LIFE-Center, LMU Hospital, LMU Munich, Germany</i>	
S15	Endoscopic and Endovascular Light Delivery	Chair(s)
15:00-15:30		
15:00	Endovascular light delivery for downstaging of Prostate Cancer: A Proof-of-Concept Study in the Porcine	
	Lothar Lilge	
	<i>Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada</i>	
15:15	Multicolor endoscopic source for intragastric phototherapy against Helicobacter pylori	
	Giovanni Romano	
	<i>University of Florence, Italy</i>	

15:30 - 16:00 Coffee Break

S16	Wound Healing & Wound Disinfection	Chair(s)
16:00-17:00		
16:00	Efficacy of photodynamic therapy in the improving quality of life in patients with venous trophic ulcers	
	Nikita Somov	
	<i>Faculty Surgery № 2, Russian National Research Medical University, Moscow, Russia</i>	
16:15	A novel chlorine derivative ShengTaiBuFen mediated photodynamic therapy on a mouse wound model infected with methicillin-resistant Staphylococcus aureus	
	Hongwei Wang	
	<i>Huadong Hospital Affiliated to Fudan University</i>	
16:30	Nail penetration enhancer vesicles loaded with methylene blue for photodynamic therapy mediated treatment of onychomycosis	
	Sara Abdel Gaber	
	<i>Institute of Nanoscience and Nanotechnology, Kafrelsheikh University, Egypt</i>	
16:45	Rose Bengal diacetate-based antimicrobial photodynamic therapy: potentiation by potassium iodide and acceleration of wound healing in MRSA-infected diabetic mice	
	Xiang Wen	
	<i>Department of Dermatology, West China Hospital, Sichuan University, Chengdu 610041, China</i>	

19:00 Dinner at Heimatbühne**Dinner and Award Ceremony at Heimatbühne Kochel am See**

S17 08:30-09:30	Immune Response and Cell Death Mechanisms	Chair(s)
08:30	Photo indexes are irrelevant to predict in vivo response of photomedicine drugs: a case study comparing photocaging of RAD51 inhibitor by ruthenium	
	Ludovic Bretin <i>Leiden Institute of Chemistry, The Netherlands</i>	
08:45	The limited effect of FAP-tPDT on immune cells in a 3D collagen model of systemic sclerosis	
	Daphne Dorst <i>Radboudumc, Nijmegen, The Netherlands</i>	
09:00	Low-dose photodynamic therapy: a new cell mechanism discovered thanks to polymeric nanovectors	
	Tiffany Campion <i>Softmat laboratory, Toulouse, France</i>	
09:15	Study on the effect and mechanism of ALA-PDT in promoting the formation of tertiary lymphoid structures to inhibit cutaneous squamous cell carcinoma	
rescheduled to Tue 11:45	Guolong Zhang <i>Institute of Photomedicine, Shanghai Skin Disease Hospital, School of Medicine, Tongji University, Shanghai 200443, China</i>	
S18 09:30-10:00	Microscopy - Metabolic Imaging	Chair(s)
09:30	Optimizing Photodynamic Therapy through Metabolic Intracellular Pattern Segmentation	
	Daniela dos Santos <i>University Ulm, ZBMF, 89081 Ulm, Germany</i>	
09:45	Follow up of oxygen consumption and cell metabolism during PDT using luminescence lifetime imaging	
	Angelika Rueck <i>University Ulm, ZBMF, 89081 Ulm, Germany</i>	

10:00 - 10:30 Coffee Break

K8 10:30	Keynote: One Health One Earth	Chair(s)
	Antimicrobial PDT in a One Health World	
	Kristjan Plaetzer <i>Paris Lodron University Salzburg, Austria</i>	
S19 11:00-12:00	PDT in One Earth One Health	Chair(s)
11:00	Photodynamic Inactivation against Postharvest Decay Inducing Molds: A Green Technology for Fruit Treatment	
	Linda Jernej <i>Laboratory of Photodynamic Inactivation of Microorganisms, Department of Biosciences and Medical Biology, Paris Lodron University Salzburg, Austria</i>	
11:15	A porphyrin based optical sensor to access food spoilage	
	Ramtin Ramanzadeh <i>University of Lübeck</i>	
11:30	Fly into the Light: Eliminating Drosophila melanogaster with Chlorophyllin-based Photodynamic Inactivation.	
	Andreas Fellner <i>Laboratory of Photodynamic Inactivation of Microorganisms, Department of Biosciences and Medical Biology, Paris Lodron University of Salzburg, Salzburg, Austria.</i>	
11:45	Photodynamic mediated bacteria inactivation in extended seminal plasma fluid	
	Mohammad Varzandeh <i>Humboldt-Universität zu Berlin</i>	

<i>E</i>	Conference Closing	Chair(s)
12:00 - 12:30	Closing Remarks Heimatbühne Kochel am See	

12:30 - 13:30	Lunch
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**Program End
Farewell!**