

# Congress Timetable 25-08 PDF Format

Monday August 25<sup>th</sup>

09:00	Plenary Lecture: <b>Prof. Guglielmo Lanzani</b>				
10:00	<i>"Engineering carbon-based phototransducers for cell stimulation and vision restoration"</i>				
10:00	Coffee break				
	PDT and immunotherapy of cancer	Oral communications on photochemistry and photophysics	Photosynthetic biohybrids	Environmental antimicrobial PDT	Phototherapy
	<b>Chair: Pål Selbo</b>	<b>Chair: Massimo Trotta</b>	<b>Chair: Matteo Grattieri</b>	<b>Chairs: Kristjan Pläetzer &amp; Giovanni Romano</b>	<b>Chair: Franz Trautinger</b>
	Room "A"	Room "B"	Room "C"	Room "D"	Room "E"
10:30	<i>"Photodynamic therapy and immunogenic cell death in cancer immunotherapy"</i>	10:30 <i>"Singlet molecular oxygen in biological systems: Mechanistic studies using <sup>18</sup>O-labeled dioxygen, mass spectrometry, and near-infrared light emission measurements"</i>	10:30 <i>"Cyanobacteria as Living Biohybrids: Porous PEDOT:PSS Interfaces for Environmental Electrophysiology"</i>	10:30 <i>"UVC light source to prevent airborne infection transmission"</i>	10:30 <i>"Photopheresis: 40 Years on"</i>
	<b>Invited: Dmitri Krysko</b> (Ghent University, BE)		<b>Invited: Paulo Rocha</b> (University of Coimbra, PT)	<b>Invited: Giovanni Romano</b> (Università degli Studi di Firenze, IT)	<b>Invited: Franz Trautinger</b> (University Hospital of St. Poelten, AT)
10:55	<i>"Enhancing Photodynamic Therapy and Anti-Tumor Immunity: The Critical Role of Drug Delivery"</i>	10:45 <i>"Unveiling the Hidden Architecture of the Brain: the Power of Super-Resolution Shadow Imaging and Optogenetics"</i>	10:55 <i>"Photosynthetic biohybrids for sensing, current generation, and solar fuels"</i>	10:55 <i>"Photodynamic materials for the prevention and treatment of multidrug-resistant bacterial infections in humans and animals"</i>	10:55 <i>"Phototherapy of Mycosis fungoides"</i>
	<b>Invited: Lúgia Catarina Gomes da Silva</b> (University of Coimbra, PT)		<b>Invited: Matteo Grattieri</b> (Università degli Studi di Bari, IT)	<b>Invited: Reza Ghiladi</b> (North Carolina State University, US)	<b>Invited: Johanna Latzka</b> (University Hospital of St. Poelten, AT)
11:20	<i>"Enhancing CD8<sup>+</sup> T-Cell Responses with PCI-Based Therapeutic Cancer Vaccination"</i>	10:55 <i>"Investigating the Impact of Blue Light and UVB on Skin DNA Repair and Pigmentation: In Vitro and In Vivo Insights"</i>	11:20 <i>"Combining microbe and electrode modifications for improved biophotovoltaic performances"</i>	11:20 <i>"Rose Bengal photosensitizing effect on Candida albicans: new insights of an old molecule"</i>	11:20 <i>"Modification of extracorporeal photopheresis with 5-aminolevulinic acid"</i>
	<b>Invited: Pål Kristian Selbo</b> (Oslo University Hospital, NO)			<b>Invited: Nidia Maldonado Carmona</b> (Università degli Studi di Firenze, IT)	<b>Invited: Qian Peng</b> (Oslo University Hospital, NO)
11:45	<i>"Immunological effects after photodynamic therapy in blood and glioma tissue by using orthotopic Fisher glioma rat model"</i>	11:05 <i>"Blue Light from VR-HMDs: Unanswered Questions and the Need for Research"</i>	11:35 <i>"Enhancing Photosynthetic Bacteria-based Biohybrid Electrodes with Functionalized CeO2 Nanoparticles"</i>	11:45 <i>"Agricultural applications of Photodynamic Inactivation - 2025 update"</i>	11:45 <i>"Identification of clones by TCR Vb repertoire analysis supports diagnosis of leukemic cutaneous T-cell lymphoma"</i>
	Odrun Arna Gedeiras (University of Agder, NO)				<b>Invited: Johannes Woltsche</b> (Medical University of Graz, AT)
12:00	<i>"Utilizing Photoimmunotherapy to Combat Multidrug Resistance"</i>	11:15 <i>"Characterisation of urinary thymidine dimer excretion in hairless mice exposed to ultraviolet radiation"</i>	11:50 <i>"Biohybrid photoconverters from photosynthetic bacterial Reaction Centres and organic light harvesting dyes"</i>	12:00 <i>"Sustainable Synthesis and Photodynamic Antifungal Activity of a Chitosan-Riboflavin Conjugate for Agricultural Applications"</i>	12:00 <i>"Wavelength-Dependent Modulation of Inflammatory Cytokines by Photobiomodulation in Cutaneous Wound Healing"</i>
	Kaitlyn Moore (University of Maryland, US)				
12:15	<i>"Enhancing BCG immunotherapy with photochemical treatment"</i>	11:25 <i>"Photoactive MDM2 inhibitors: light related strategies to tackle hard to treat cancers"</i>	12:05 <i>"Hybrid Microalgae-based Photoelectrodes for Solar Energy-Assisted Catalytic Conversions"</i>	12:15 <i>"Sunlight-powered fungicide conjugates: fighting fungal resistance"</i>	12:25 <i>"Photocaged Small Molecule Inhibitor of CD73: A Strategy for Light-Guided Cancer Immunotherapy with Reduced Off-Target Effects"</i>
	Arno Bruel (Institute for Cancer Research, NO)				
12:30	<i>"Photoimmunotherapy Modulates P-glycoprotein Function In Vivo"</i>	11:35 <i>"Effects of CuInZnS/ZnS quantum dots on microalgae at different environment conditions"</i>	12:20 <i>"Cryo-EM of rationally designed photosystem I nanoassembly on graphene validates orientation-driven enhancement of photocatalytic performance"</i>	12:30 <i>"Taming the Swamp Thing: chlorophyllin-based Photodynamic Inactivation against Candida auris dynamic biofilm"</i>	12:40 <i>"Multifaceted Effects of a Multiple Mitic Oxide Photoreleaser and Its Photoproducts on Amyloid-β Aggregation"</i>
	Brian Schnoor (University of Maryland, US)				
12:45	<i>"Anti-tumoral effect of light-activated CD351 in breast and pancreatic cancer"</i>	11:45 <i>"Sunscreens: Yet another plea for a neutral grey filter"</i>	12:35 <i>Miriam Izzo (University of Warsaw, PO)</i>	12:45 <i>"Antimicrobial Photodynamic Inactivation: A Promising Approach to Prevent Bacterial Infections in Aquaculture Systems"</i>	12:45 <i>Francesca Laneri (Università degli Studi di Catania, IT)</i>
12:45	<i>"Anti-tumoral effect of light-activated CD351 in breast and pancreatic cancer"</i>	11:55 <i>"Arjan van Dijk (Centre for Environmental Safety and Security, NL)"</i>			
13:00	<i>"Cancer-Associated fibroblasts impact in Photodynamic therapy response through intercellular communication in Oral and Cutaneous Squamous Carcinoma cells"</i>	11:55 <i>"Depigmenting Action and Biomaging of Luminescent PiperazinyI Phenol Derivatives"</i>		12:50 <i>"Cell viability, ROS production, lipid peroxidation and membrane damage of L. monocytogenes after UVA and Blue Light treatment"</i>	
	<b>Invited: Angeles Juarraz</b> (Universidad Autónoma de Madrid, ES)				
13:15		12:05 <i>"Cellular Photodamage Induced by Dasatinib: Type I/II Mechanisms and Photoprotection in Reconstructed Epidermis"</i>		12:55 <i>"Photodynamic Decontamination of food: assessing surface challenges against Listeria monocytogenes"</i>	
		12:15 <i>"Carbon quantum dots as the latest component of sunscreen products to protect the skin from blue light"</i>			
		12:25 <i>"Predicting Singlet-Oxygen Quantum Yield in Porphyrinic and Non-Porphyrinic Photosensitizers via Novel Quantum Descriptors"</i>			
		12:35 <i>"Synthesis and characterization of new purpurin imide derivatives with functional groups from Purpurin 18 for PDT application"</i>			
		12:45 <i>"Supramolecular interactions between cationic porphyrins and anionic carboxymethyl cellulose"</i>			
		12:55 <i>Marachiara Sara (Università degli Studi di Messina, IT)"</i>			
13:00	Lunch break				
15:00	Keynote Lecture: <b>Prof. Angela Falciatore</b>				
15:30	<i>"Light Sensing in Marine Diatoms: from molecular mechanisms to ecosystems"</i>				
	Oral communications on PDT	Triplet Photosensitisers		Environmental and sustainable applications of photosynthetic microorganisms	Environment in Melanocyte and Melanoma
	<b>Chair: Virginie Lhiaubet</b>	<b>Chairs: Francesca Giuntini &amp; Fabienne Dumoulin</b>		<b>Chairs: Rossella Labarile &amp; Daniel Puyol</b>	<b>Chair: Lionel Larue</b>
	Room "A"	Room "B"		Room "D"	Room "E"
15:30	<i>"Photo-antibacterial efficiency of metalloporphyrins bearing triphenylphosphonium units"</i>	15:30 <i>"Activatable Photosensitizers: From Molecules to Nanoparticles"</i>		15:30 <i>"The Purple Power in Europe: Purple Phototrophic Bacteria for Resource Recovery from Organic Waste Sources"</i>	15:30 <i>"DNA damage remodels the MITF interactome to increase melanoma genomic instability"</i>
	M. Amparo F. Faustino (University of Aveiro, PT)	<b>Invited: Juan Chen</b> (University Health Network, CA)		15:55 <i>"Microbe-electrode interfaces for sustainable technologies"</i>	<b>Invited: Pakavarin Louphrasitthiphol</b> (University of Oxford, UK)
15:45	<i>"Engineering Hypoxia-Tolerant Photosensitizers: An Iridium-Phthalocyanine Approach"</i>	15:55 <i>"Supramolecular photosensitizers based on oligo- and polysaccharides: from self-assembly to applications in prevention and control of antibacterial infections"</i>			15:55 <i>"Targeting GRPR for sex hormone-dependent cancer after loss of E-cadherin"</i>
	Gloria Viguera (Universidad de Murcia, ES)	<b>Invited: Antonino Mazzaglia</b> (Università degli Studi di Messina, IT)		16:20 <i>"Invited: Melania Reggente (Ecole Polytechnique Fédérale de Lausanne, CH)"</i>	<b>Invited: Véronique Delmas</b> (Université Paris-Saclay, FR)
15:55	<i>"Potential of a radioluminescent light source for photobiomodulation in the treatment of Parkinson's disease"</i>	16:20 <i>"Triplet Lifetime Matters: Designing Photosensitizers for Effective Photodynamic Therapy in Hypoxic Tumors"</i>		16:20 <i>"Harnessing purple non-sulfur bacteria for gas to protein bioconversion"</i>	16:20 <i>"Molecular Mechanisms of Hair Graying: Role of Dicer"</i>
	Irene Muñoz Velasco (Univ. Grenoble Alpes, FR)	<b>Invited: Janusz M. Dąbrowski</b> (Jagiellonian University, PL)		16:45 <i>"Invited: Maria del Rosario Rodero Raya (University of Valladolid, ES)"</i>	<b>Invited: Lionel Larue</b> (Institut Curie, FR)
16:05	<i>"Ca2+ signals interplay with ROS in Br-SQ-C4 induced phototoxicity"</i>				
	Francesca Bianco (Università degli Studi di Torino, IT)				
16:15	<i>"A novel ruthenium-based PACT treatment for uveal melanoma: Formulation advancements and preclinical insights"</i>				
	Daria Kotova (Leiden University, NL)				
16:25	<i>"Impact of Cancer-Associated Fibroblasts on the response to Photodynamic Therapy in Oral Squamous Cell Carcinoma spheroid models"</i>				
	Andrea Barahona Lopez (Universidad Autónoma de Madrid, ES)				
16:35	<i>"Pre-treatment with topical 5-fluorouracil increases the efficacy of daylight photodynamic therapy for actinic keratoses – a randomized controlled trial"</i>				
	Stine Regin Wiegell (Copenhagen University Hospital Bispebjerg, DK)				
16:45					
17:15	Coffee break				
17:15	<i>"Image-Guided, Alcohol-Based Photodynamic Therapy for Inoperable Cancers"</i>	17:15 <i>"Phthalocyanines as triplet molecular and nanophotosensitisers"</i>		17:15 <i>"Photosynthetic bacteria-based electrolysis for green hydrogen production"</i>	17:15 <i>"Unraveling UVA1-induced Photo Modifications of Eumelanin and Pheomelanin in Human Skin: Insights into Pigment Darkening"</i>
	Kassa E. Tizale (University of Maryland, US)	<b>Invited: Fabienne Dumoulin</b> (Acibadem University, TR)		17:30 <i>"Chemical Engineering of Living Cell Surfaces via Melanin-Inspired Coatings for Biotechnological and Environmental Applications"</i>	Sandra Del Bino-Nokin (L'Oreal Research and Innovation, FR)
17:25	<i>"Tetrapyrrolic Photosensitizers in Cancer Radiotherapy: Dual Roles as Radiosensitizers and Radioprotective Agents — Current Insights and Future Perspectives"</i>	17:40 <i>"Platinum(II) porphyrin metal-organic frameworks: luminescent tools for optical oxygen sensing in biomineralisation-capable bacteria biofilms"</i>			17:30 <i>"The double-edged sword dilemma – photoreactivity and antioxidant action of melanin pigments demonstrated in synthetic and natural melanins"</i>
	Saullus Bagdonas (Vilnius University, LT)	Francesca Giuntini (Liverpool John Moores University, UK )		17:45 <i>"Alessandro Digregorio (Università degli Studi di Bari, IT)"</i>	Krzysztof Mokrzyński (Jagiellonian University, PL)
17:35	<i>"Efficacy and safety of daylight and artificial white light photodynamic therapy versus minocycline for papulopustular rosacea : A single-center, assessor-blinded, randomized, parallel-group, non-inferior"</i>	17:55 <i>"Bioluminescence-based Singlet Oxygen Generation"</i>			17:45 <i>"Amphiphilic fatty acid conjugates of pyrylium porphyrins in photodynamic therapy of melanoma cell lines"</i>
	Jian Li ( Army Medical University, CN)				18:00 <i>Martina Mušković (University of Rijeka, HR)"</i>
17:45	<i>"A Blueprint for Far-UVC Use in Airborne Pathogen Control"</i>	18:10 <i>"Modification of the efficiency of melanin to photogenerate singlet oxygen by selected quenchers of triplet excited states"</i>			
	James Montavon (Blueprint Biosecurity, US)	18:10 <i>Tadeusz Sarna (Jagiellonian University, PL)"</i>			
17:45	<i>"Bispecific aptamer-decorated nanoplatfoms targeting tumor and stromal cells in breast cancer derived organoids: implications for precision phototherapies"</i>				
	Loredana Ricciardi (Consiglio nazionale delle Ricerche, IT)				
18:05	<i>"Tamoxifen-mediated photodynamic therapy induces immunogenic cell death on head and neck cancer"</i>				
	Elena Catanzaro (Ghent University, BE)				
18:15	<i>"Cytocompatible hybrid NPs made of iron oxide/silver sulfide quantum dots with luminescence in the near-infrared region for combinational therapy of peritoneal metastasis"</i>				
	Mahshid Hashemkhani (Université Paris Cité, FR)				
18:25					
18:30	Ice cream event				
20:00					