Sunday August 24th

Congress Timetable All Days PDF Format

Registration 18:30 18:30 Plenary Lecture: Prof. Kristian Berg 19:30 "Fortieth anniversary of the European Society of Photobiology. History and significance in the scientific community" 19:30 Welcome Party 20:30 Monday August 25th Plenary Lecture: Prof. Guglielmo Lanzani "Engineering carbon-based phototransducers for cell stimulation and vision restoration" 10:00 10:00 Coffee break 10:30 Oral communications on PDT and immunotherapy of cancer Environmental antimicrobial PDT Phototherapy Photosynthetic biohybrids photochemistry and photophysics Chairs: Kristjan Plaetzer & Chair: Pål Selbo **Chair: Massimo Trotta Chair: Matteo Grattieri Chair: Franz Trautinger** Giovanni Romano Room "D" Room "A" Room "B" Room "E" Room "C" 10:30 "Singlet molecular oxygen in biological systems: Mechanistic "Cyanobacteria as Living "Photodynamic therapy and studies using 18O-labeled dioxygen, Biohybrids: Porous PEDOT:PSS "UVC light source to prevent immunogenic cell death in cancer "Photopheresis: 40 Years on" mass spectrometry, and near-Interfaces for Environmental airborne infection transmission" immunotherapy" infrared light emission Electrophysiology" measurements" Invited: Giovanni Romano **Invited: Franz Trautinger** Invited: Dmitri Krysko (Ghent Paolo Di Mascio (Universidade de Invited: Paulo Rocha (University (Università degli Studi di Firenze, (University Hospital of St. Poelten, University, BE) São Paulo, BR) of Coimbra, PT) "Photodynamic materials for the "Unveiling the Hidden Architecture | 10:55 "Enhancing Photodynamic Therapy "Photosynthetic biohybrids for of the Brain: the Power of Superprevention and treatment of "Phototherapy of Mycosis and Anti-Tumor Immunity: The sensing, current generation, and Resolution Shadow Imaging and multidrug-resistant bacterial fungoides" solar fuels" Critical Role of Drug Delivery" Optogenetics" infections in humans and animals" Invited: Johanna Latzka Invited: Lígia Catarina Gomes da Virginia Puente (Biofisika Center, **Invited: Matteo Grattieri** Invited: Reza Ghiladi (North (University Hospital of St. Poelten **Silva** (University of Coimbra, PT) (Università degli Studi di Bari, IT) Carolina State University, US) "Investigating the Impact of Blue "Enhancing CD8+ T-Cell Responses "Combining microbe and electrode "Rose Bengal photosensitizing "Modification of extracorporeal Light and UVB on Skin DNA Repair effect on Candida albicans: new with PCI-Based Therapeutic Cancer modifications for improved photopheresis with 5-aminolevulinic and Pigmentation: In Vitro and In Vaccination" biophotovoltaic performances" insights of an old molecule" Vivo Insights" Invited: Nidia Maldonado Carine Jacques (Pierre Fabre Charlotte Roullier (Ecole Invited: Pål Kristian Selbo (Oslo Invited: Qian Peng (Oslo Dermo-Cosmetics & Personal Care, Polytechnique Fédérale de Carmona (Università degli Studi di University Hospital, NO) University Hospital, NO) Firenze, IT) Lausanne, CH) 11:45 | "Identification of clones by TCR Vb "Immunological effects after "Enhancing Photosynthetic "Blue Light from VR-HMDs: "Agricultural applications of photodynamic therapy in blood and Bacteria-based Biohybrid repertoire analysis supports Photodynamic Inactivation - 2025 Unanswered Questions and the diagnosis of leukemic cutaneous 7 Electrodes with Functionalized glioma tissue by using orthotopic Need for Research" CeO2 Nanoparticles" Fisher glioma rat model" cell lymphoma" Odrun Arna Gederaas (University of Rosa Matteucci (Politecnico di Bari, Stefanie Bauer (Federal Office for Kristjan Plaetzer (University of **Invited: Johannes Woltsche** 12:00 Agder, NO) Radiation Protection, DE) Salzburg, AT) (Medical University of Graz, AT) "Characterisation of urinary "Biohybrid photoconverters from | 12:00 | of Inflammatory Cytokines by "Utilizing Photoimmunotherapy to thymidine dimer excretion in hairless photosynthetic bacterial Reaction Photodynamic Antifungal Activity of a Chitosan-Riboflavin Conjugate for Photobiomodulation in Cutaneous Combat Multidrug Resistance" mice exposed to ultraviolet Centres and organic light Agricultural Applications" Wound Healing" Kaitlyn Moore (University of Roberta Ragni (Università degli Alexander Pinilla (Pontificia Giovana Tofoli (São Leopoldo Celina Pihl (Copenhagen University Studi di Bari, IT) 12:15 Universidad Católica de Chile, CL) 12:25 Maryland, US) Hospital, DK) Mandic, BR) 12:15 "Photocaged Small Molecule Inhibitor of CD73: A Strategy for "Photoactive MDM2 inhibitors: light "Hybrid Microalgae-based "Sunlight-powered fungicide "Enhancing BCG immunotherapy related strategies to tackle hard to Photoelectrodes for Solar Energyconjugates: fighting fungal Light-Guided Cancer with photochemical treatment" Assisted Catalytic Conversions" Immunotherapy with Reduced Off-Target Effects" Caio César Gonçalves Silva Edoardo Armano (Università degli Sina Katharina Goetzfried Arno Bruel (Institute for Cancer Alberto Nunez Bendinelli (Ramon (Universidade Estadual Paulista, Llull University, ES) Studi di Milano, IT) (Rijksuniversiteit Groningen, NL) 12:30 "Cryo-EM of rationally designed | 12:30 "Taming the Swamp Thing: "Multifaceted Effects of a Multiple "Effects of CuInZnS/ZnS quantum photosystem I nanoassembly on "Photoimmunotherapy Modulates Pchlorophyllin-based Photodynamic Nitric Oxide Photoreleaser and its dots on microalgae at different graphene validates orientation-Photoproducts on Amyloid-β glycoprotein Function In Vivo" Inactivation against Candida auris environment conditions" driven enhancement of dynamic biofilm" Aggregation" photocatalytic performance" Brian Schnoor (University of Agne Kalnaityte-Vengeliene (Vilnius Miriam Izzo (University of Warsaw, Linda Jernej (University of Francesca Laneri (Università degli Maryland, US) Studi di Catania, IT) University, LT) Salzburg, AT) "Antimicrobial Photodynamic "Anti-tumoral effect of light-activated "Sunscreens: Yet another plea for a Inactivation: A Promising Approach CD351 in breast and pancreatic to Prevent Bacterial Infections in neutral grey filter" cancer" Aquaculture Systems" Arjan van Dijk (Centre for Cristina Dias (University of Aveiro, Cátia Sofia Silva Vieira (University Environmental Safety and Security of Aveiro, PT) "Cancer-Associated fibroblasts impact in Photodynamic therapy "Cell viability, ROS production, lipid "Depigmenting Action and response through intercellular peroxidation and membrane Bioimaging of Luminescent communication in Oral and damage of L. monocytogenes after Piperazinyl Phenol Derivatives" Cutaneous Squamous Carcinoma UVA and Blue Light treatment" Invited: Angeles Juarranz Chiara Maria Antonietta Gangemi Alessia Lena (Università degli Studi (Universidad Autónoma de Madrid, (Università degli Stidi di Messina, di Udine, IT) 12:05 "Cellular Photodamage Induced by "Photodynamic Decontamination of Dasatinib: Type I/II Mechanisms and food: assessing surface challenges Photoprotection in Reconstructed against Listeria monocytogenes" Epidermis" Inmaculada Andreu (Universitat Anabel Santiago Cenit (University Politècnica de València, ES) 12:15 "Carbon quantum dots as the latest component of sunscreen products to protect the skin from blue light" Viktoriia Lyzhniuk (Kyiv National University of Technologies and 12:25 "Predicting Singlet-Oxygen Quantum Yield in Porphyrinic and Non-Porphyrinic Photosensitizers via Novel Quantum Descriptors" Jackson J. Alcázar (Universidad del Desarrollo, CL) 12:35 "Synthesis and characterization of new purpurin imide derivatives with functional groups from Purpurin 18 for PDT application" Sol Vincent (University of Limoges, "Supramolecular interactions between cationic porphyrins and anionic carboxymethyl cellulose" Mariachiara Sarà (Università degli Studi di Messina, IT) Lunch break 15:00 15:00 Keynote Lecture: Prof. Angela Falciatore 15:30 "Light Sensing in Marine Diatoms: from molecular mechanisms to ecosystems" Environmental and sustainable Environment in Melanocyte and applications of photosynthetic Oral communications on PDT **Triplet Photosensitisers** microorganisms Chairs: Francesca Giuntini & Chairs: Rossella Labarile & Daniel **Chair: Virginie Lhiaubet Chair: Lionel Larue** Fabienne Dumoulin Puyol Room "A" Room "B" Room "D" Room "E" "The Purple Power in Europe: "DNA damage remodels the MITF "Photo-antibacterial efficiency of "Activatable Photosensitizers: From Purple Phototrophic Bacteria for metalloporphyrins bearing interactome to increase melanoma Molecules to Nanoparticles" Resource Recovery from Organic triphenylphosphonium units" genomic instability" Waste Sources" Invited: Pakavarin M. Amparo F. Faustino (University of Invited: Juan Chen (University Invited: Daniel Puyol (Universidad Louphrasitthiphol (University of Aveiro, PT) Health Network, CA) Rey Juan Carlos, ES) Oxford, UK) 15:55 15:55 "Supramolecular photosensitizers "Engineering Hypoxia-Tolerant based on oligo- and "Targeting GRPR for sex hormone-"Microbe-electrode interfaces for polysaccharides: from self-assembly Photosensitizers: An Iridiumdependent cancer after loss of Esustainable technologies" Phthalocyanine Approach" to applications in prevention and cadherin" control of antibacterial infections" Invited: Antonino Mazzaglia Invited: Melania Reggente (Ecole Gloria Vigueras (Universidad de Invited: Véronique Delmas (Università degli Studi di Messina, Polytechnique Fédérale de Murcia, ES) (Université Paris-Saclay, FR) Lausanne, CH) "Potential of a radioluminescent light 16:20 "Triplet Lifetime Matters: Designing 16:20 "Harnessing purple non-sulfur "Molecular Mechanisms of Hair Photosensitizers for Effective source for photobiomodulation in the bacteria for gas to protein Photodynamic Therapy in Hypoxic Graying: Role of Dicer" treatment of Parkinson's disease" bioconversion" Tumors" Invited: Maria del Rosario Irene Muñoz Velasco (Univ. Invited: Janusz M. Dabrowski Invited: Lionel Larue (Institut Rodero Raya (University of Grenoble Alpes, FR) (Jagiellonian University, PL) Curie, FR) Valladolid, ES) 16:45 16:05 Ca2+ signals interplay with ROS in Br-SQ-C4 induced phototoxicity" Francesca Bianco (Università degli 16:15 Studi di Torino, IT) 16:15 "A novel ruthenium-based PACT treatment for uveal melanoma: Formulation advancements and preclinical insights" 16:25 Daria Kotova (Leiden University, NL) "Impact of Cancer-Associated Fibroblasts on the response to Photodynamic Therapy in Oral Squamous Cell Carcinoma spheroid Andrea Barahona Lopez (Universidad Autónoma de Madrid, 16:35 "Pre-treatment with topical 5fluorouracil increases the efficacy of daylight photodynamic therapy for actinic keratoses – a randomized controlled trial" Stine Regin Wiegell (Copenhagen 16:45 University Hospital Bispebjerg, DK) 16:45 Coffee break 17:15 17:15 "Unraveling UVA1-induced Photo "Photosynthetic bacteria-based "Image-Guided, Alcohol-Based "Phthalocyanines as triplet Modifications of Eumelanin and Photodynamic Therapy for molecular and electrolysis for green hydrogen Pheomelanin in Human Skin: Inoperable Cancers" nanophotosensitisers" production" Insights into Pigment Darkening" Dario Lacalamita (Università degli Kassa E. Tizale (University of **Invited: Fabienne Dumoulin** Sandra Del Bino-Nokin (L'Oreal Maryland, US) (Acibadem University, TR) Studi di Bari, IT) Research and Innovation, FR) | 17:25 | "Tetrapyrrolic Photosensitizers in | 17:40 | "Platinum(II) porphyrin metal-"The double-edged sword dilemma "Chemical Engineering of Living Cancer Radiotherapy: Dual Roles organic frameworks: luminescent photoreactivity and antioxidant Cell Surfaces via Melanin-Inspired as Radiosensitizers and tools for optical oxygen sensing in action of melanin pigments Coatings for Biotechnological and Radioprotective Agents — Current biomineralisation-capable bacteria demonstrated in synthetic and Environmental Applications" Insights and Future Perspectives" biofilms" natural melanins" Francesca Giuntini (Liverpool John Alessandro Digregorio (Università Krystian Mokrzyński (Jagiellonian Saulius Bagdonas (Vilnius degli Studi di Barì, IT) University, LT) Moores University, UK) 17:45 University, PL) 17:35 | "Efficacy and safety of daylight and 17:55 artificial white light photodynamic therapy verse minocycline for "Amphiphilic fatty acid conjugates of "Bioluminescence-based Singlet papulopustular rosacea: A singlepyridylporphyrins in photodynamic Oxygen Generation" therapy of melanoma cell lines" center, assessor-blinded, randomized, parallel-group, noninferior" Jian Li (Army Medical University, Valeska Viereckt (Marburg Martina Mušković (University of University, DE) "Modification of the efficiency of "A Blueprint for Far-UVC Use in melanin to photogenerate singlet Airborne Pathogen Control" oxygen by selected quenchers of triplet excited states" Tadeusz Sarna (Jagiellonian James Montavon (Blueprint University, PL) Biosecurity, US) "Bispecific aptamer-decorated nanoplatforms targeting tumor and stromal cells in breast cancer derived organoids: implications for precision phototherapies" Loredana Ricciardi (Consiglio 18:05 nazionale delle Ricerche, IT) "Temoporfin-mediated photodynamic therapy induces immunogenic cell death on head and neck cancer" Elena Catanzaro (Ghent University, 18:15" "Cyto/hemocompatible hybrid NPs made of iron oxide/silver sulfide quantum dots with luminescence in the near-infrared region for combinational therapy of peritoneal metastasis" Mahshid Hashemkhani (Université Paris Cité, FR) 18:30 Ice cream event 20:00 Tuesday August 26th 09:00 Plenary Lecture: **Prof. Sherri McFarland** 10:00 "Molecules to Medicine: Multidisciplinary Integration of the Photosciences with Metal Complexes" 10:00 Coffee break

10:30 Light management by photosynthetic Intimicrobial Photodynamic Therapy Photophysics of fluorescent probes for Ultrafast spectroscopy methods in sitivity, Photodiagnostics and Photoprotection for Clinical Applications biological application photosynthesis and photobiology micro-organisms **Chairs: Agathe Espagne & Marie Chairs: Nicoletta Liguori & Pavel Chairs: Angela Falciatore & Chair: Luis Arnaut Chair: Sally Ibbotson Erard** Gianluca Farinola Room "D" Room "E" Room "A" Room "B" Room "C "Photochemistry of fluorescent "Combination of ultrafast "Positioning Antimicrobial PDT "Living Materials for Solar Energy "Photosensitivity - the Role of proteins: from mechanistic studies Between Antiseptics and Conversion from Photosynthetic Photodiagnostics" to new fluorescence imaging spectroelectrochemistry, a tool to Antibiotics" Microorganisms and Biopolymers" methods" control excited-state dynamics" Invited: Luis Arnaut (CQC-IMS, Invited: Agathe Espagne (Ecole Invited: Tomas Polivka University Invited: Gianluca M. Farinola **Invited: Sally Ibbotson** (Ninewells 10:55 Coimbra Chemistry Centre, PT) 10:55 Normale Supérieure, FR) of South Bohemia, CZ) (Università degli Studi di Bari, IT) 10:55 Hospital & Medical School, UK) "Photogeneration of Reactive "Microscale imaging sheds light on Oxygen and Iodine Species by "Development of Multiscale Time-"What is Wrong with "From Quantum Dots to Fluorescent species-specific strategies for Resolved Circular Dichroism for Modified Porphyrinoids: From Organic Nanoparticles: bright photo-regulation and photo-Photoprotection in the General Molecular Mechanisms to Investigating Conformational nanotools for biosensing" acclimation of microphytobenthic Population" Advanced Preclinical Models in Changes of Biomolecules" diatoms" **Invited: Pascale Changenet** Invited: Piergiacomo Calzavara-Invited: Bruno Jesus (Nantes Invited: Chloe Grazon (Université Invited: Janusz Dabrowski (CNRS-INSERM-Ecole Pinton (Università degli Studi di de Bordeaux, FR) Université, FR) (Jagiellonian University, PL) Polytechnique, FR) Brescia, IT) "Ultrafast multi-exciton spectroscopy 11:20 "Breaking down the resistance of 11:20 "Sense and Switch across the "Photobiological Hydrogen bacteria to antibiotics and the scales - GFP-like and "Photoprotection in the Production Using Photosynthetic tracks excitation energy transport Bacteriophytochromes in optical photosensitivity diseases" treatment of pneumonia resistant Microorganisms" through molecular photosystems" imaging from mice to cells" using photoreaction" Invited: Rossella Labarile Invited: Vanderlei S. Bagnato **Invited: Andre-Christian Stiel** Invited: Pavel Maly (Charles Yolanda Gilaberte (Miguel Servet (Consiglio Nazionale delle Ricerche, (University of Sao Paulo, BZ) (Helmholtz Munich, DE) University, CZ) University Hospital, ES) "Upcycling agri-food by-product with 11:45 "Fluorescent Protein 1:45 | "Spatio-Temporal Imaging of Exciton | 11:45 | "Exploring the Repurposing of "Photodynamic therapy of acne Energy Transfer below Sunlight ExpoDose® for Disease Photobleaching: Spectroscopic and hidradenitis suppurativa" phototrophic purple bacteria" Impact and Molecular Basis" Management of Photodermatoses" Invited: Piergiacomo Calzavara-Invited: Niek van Hulst (ICFO -Invited: Marie Erard (Université Invited: Baptiste Leroy (Université Ewan Eadie (Ninewells Hospital Pinton (Università degli Studi di The Institute of Photonic Sciences and Medical School, UK) Paris-Saclay, FR) de Mons, BE) Brescia, II) 12:10 12:10 12:00 12:10 12:10 "A two-year follow-up of EPP "Excited-state dynamics of patients during afamelanotide "Biocompatible Strategies for "Antimicrobial properties and safety "Dye-based Fluorescent neorhodopsin, an bistable microbial treatment indicates increases in the Microalgae-based Bio-photoanode profile of Protoporphyrin IX and Nanoparticles for Optogenetics" rhodopsin: retinal to retinal energy quality of life, time spent outside pexiganan conjugate" Fabrication and Electron Extraction" transfer and nonlinear effects" and demasking of pre-existing pigmented lesions" Maciej Jaśkiewicz (University of Daniel Jonathan (Université de Invited: John Kennis (Vrije Cesar Vicente-Garcia (Università Marie Jürgens (Heinrich-Heine-Gdansk and Medical University of Universiteit Amsterdam, NL) University Duesseldorf, DE) Bordeaux, FR) degli Studi di Bari, IT) Gdansk, PL) "Shedding Light on Biofilms: "Bridging Diamond and "Tracking Energy Transport in Antimicrobial Efficacy of Low "Engineering material-friendly Cyanobacteria: the Role of "A New Photoprotective Photosynthetic Systems: Does Irradiance Violet-Blue Light Polydopamine in Photocurrent proteins" Technology" Nature Know Better?" Exposure" Generation" Lucy Sinclair (University of Juan Pablo Fuenzalida Werner Giulia Lo Gerfo Morganti (Institut de Nora Colson (Hasselt University, Ana López Sánchez (Cantabria Strathclyde, UK) (University of Navarra, ES) Ciencies Fotoniques, ES) 12:30 Labs, ES) 12:45 "Real-time tracking of ground- and 12:30 "Antibacterial mechanisms of "Selective Mitochondrial Targeting excited-state responses of action of a new Ru(II) polypyridyl Using TAPY Vectors: From Cancer photoactive molecules to a change "Systemic photoprotection" photosensitizer in Photodynamic Cells to Patogenic Yeast" of microenvironment, from Therapy" femtoseconds to milliseconds " Maria Auset Vallejo (Universitat Jean Colombari Neto (Universitat Antonio Sampaoli (Institut de Aheen Faisal (Aalborg University Ramon Llull, ES) Jaume I, ES) Ciencies Fotoniques, ES) Hospital, DK) "Molybdenum cluster-based "Independent assessment of DNA photosensitizers in antimicrobial damage from high exposures to photodynamic therapy and their Far-UVC in a human volunteer trial applications" Michaela Kubáňová (University of Paul O'Mahoney (UK Health Chemistry and Technology Prague, Security Agency, UK) CZ) 13:00 Lunch break 15:00 14:30 Springer Meeting 15:30 Photosensitization of Natural and Computational methods in Photoprotection Light in dentistry Oral communications on PDT Synthetic Molecules and Biomolecules photosynthesis and photobiology **Chairs: Andres Thomas & Giorgia Chairs: Nicoletta Liguori & Lorenzo Chair: Martha Ribeiro** Chair: Amparo Faustino **Chair: Yolanda Gilaberte** Miolo Cupellini Room "B" Room "E" Room "A" Room "C Room "D" 15:30 "Advancing Dental Care with "Photosensitized oxidation of free "Photoactivation and quenching 15:30 | "Prediction of non-additive effects of | 15:30 | "Photoprotection and climate mechanism of Orange Carotenoid Nonthermal Light-Based and peptide tryptophan to Ncomplex UV sources: application to change" Technologies" Protein from multiscale simulations' DNA photochemistry" formylkynurenine" Invited: Martha S. Ribeiro **Invited: Andrés Thomas** Invited: Lorenzo Cupellini Thierry Douki (Université Grenoble Invited: Yolanda Gilaberte (Miguel (Instituto de Pesquisas Energéticas (Universidad Nacional de La Plata, (Università degli Studi di Pisa - IT) Servet University Hospital, ES) e Nucleares, BR) 15:55 "An N Doped Carbon Dots "Light-Activatable Hyaluronic Acid-"Antimicrobial Photodynamic "Quantum-classical dynamics in the Nanoconjugate for the "The role of the microbiome on Derivatives Releasing Nitric Oxide Simultaneous Generation of Nitric Therapy in the Oral Cavity: Impacts sunlight effects and study of scotopic and photopic on the Oral Microbiom" and Their Delivery in the Skin" Oxide and Singlet Oxygen with photoprotection" Invited: Salvatore Sortino Cristina Parisi (Università degli Invited: Silvia Cristina Núñez Invited: Massimo Olivucci **Invited: Peter Wolf** (Medical (Università degli Studi di Catania, (Universidade Brasil, BR) (Università degli Studi di Siena, IT) Studi di Catania, IT) University of Graz, AT) IT) "Assessment of cationic "The use of aPDT mediated by "The PUVA (Psoralen + UVA) "Molecular modelling of the last "Present and future of systemic phthalocyanines and doxycycline steps of the Kok-Joliot cycle in Butyl Toluidine blue to inactivate Process in the Light of Timeagainst resistant microbes – photoprotection" Candida albicans" Resolved Spectroscopy" Photosystem II" innovative approach or dead end?" Invited: Leonardo Guidoni **Invited: Renato Araujo Prates** Invited: Gilch Peter (Heinrich-Daniel Ziental (Poznan University of **Invited: Salvador Gonzalez** (Università degli Studi de L'Aquila, 16:45 (Universidade Nove de Julho, BR) 16:45 Heine-University Düsseldorf, DE) Medical Sciences, PL) (University of Alcalá, ES) IT) "Fluorescence lifetime imaging microscopy FLIM with BODIPY2 "Thermodynamics of the molecular rotor used to measure Amotosalen-DNA Intercalation" cancer cell membrane microviscosity" A. Theresa Ott (Heinrich-Heine-Liubov Shimolina (Privolzhsky University Düsseldorf, DE) 16:15 Research Medical University, RUS) "Molecular and biological mechanism studies of protein photooxidation to control cell fate and their therapeutic applications" Mingyu Park (Ulsan National Institute of Science and Technology, 16:25 "Novel Peptide-Based Prodrugs for Targeted Delivery in ALA-PDT" Ian Eggleston (University of Bath, "Time-resolved Study of a C4h Phthalocyanine Interacting with Guanine-rich Nucleic Acid Sequences" Robert Edkins (University of Strathclyde, UK) Coffee break 17:15 "Beyond a single excitation: "Proof-of-concept for systemic "Nuclear DNA Lesions Drive "Photosensitization by topical calculating multi-exciton dynamics photodynamic therapy with "Non-Adiabatic Dynamics study on Metabolic Reprogramming in and Interaction in highly nonlinear retinoids: from photophysics to microhydrated DNA probe" Keratinocytes Following Acute UVB methylene blue in a murine model photobiology" spectroscopy of molecular of disseminated Candida auris" Exposure" photosystems" Virginie Lhiaubet (Universitat Tania Mateus Yoshimura (Nuclear Politècnica de València-Consejo Invited: Pavel Maly (Acibadem Elise Lognon (Université Paris Cité, Hadi Younes (Univ. Bordeaux, FR) Energy Research Institute, BR) University, TR) Superior de Investigaciones Científicas, ES) 17:30 "Chemico-physical and biological "Evaluating Photoprotective "Modelling the interplay between properties of two monoclonal "A novel water-in-oil emulsion for Properties of UK Garments with antibodies, Bevacizumab (Avastin®) structure and energy transfer in photoimmunotherapy delivery" Integrating-Sphere and Durvalumab (Imfinzi®) under biosystems" Spectrophotometry" real-life light doses" Giorgia Miolo (Università degli Studi **Invited: Carles Curutchet** Kathryn McNaughton (University of Rebecca Meehan (University of St di Padova, IT) (University of Barcelona, ES) Maryland, US) Andrews, UK) "NIR-Responsive Plasmonic "Uncovering Mutagenic Cascades: Nanoparticle-loaded Mesoporous "First-principles simulations unveil A UV-Triggered Crosslink Between "Vitamin D Receptor and Oxidative the effect of mutations on light Silica Nanostructures for Photo-Etheno-Cytosine and Thymine Stress" harvesting" Assisted Gram-Positive Bacteria" Drives Additional DNA Lesions" Eradication" Carlos Montero Galán (Universitat Politècnica de València-Consejo Piermarco Saraceno (Università Federica Rizzi (Consiglio Nazionale Ángeles Juarranz (Cantabria Labs, degli Studi di Pisa, IT) delle Ricerche, IT) Superior de Investigaciones Científicas, ES) 18:00 "From Reduced to Oxidized: How 18:00 *"Urinary Thymidine Dimer Excretion* "Unveiling the Cell Death "Molecular determinants of the Eumelanin Oxidation State in Tanning Bed Users Compared mechanism of action of PSBS under Mechanisms Induced by LUZ51-Modulates Excited States and with Sun Exposure During a Danish Mediated PDT" the computational microscope" Photoprotective Efficacy" Summer" Catharina Margrethe Lerche Gregor Hill (Institut de Ciencies Joanna Waresiak (Jagiellonian Livia Stenico Tanajura (University of (Copenhagen University Hospital, University, PL) Fotoniques, ES) Coimbra, PT) "Computational Insights into The 17:55 "Discovering the Potential of Amino-"Carnosine oxidation mediated by Dynamic Interaction of FCP-LHCX1 Based Flavylium Dyes for singlet molecular oxygen" Photodynamic Therapy" Complexes in Diatoms" Patricia Correia (REQUIMTE/LAQV, Marisa H. G. Medeiros Boutheina Zender (University of 18:30 (Universidade de São Paulo, BR) Patras, GR) "A Kinetic Approach to the "Ru-coubpy complexes as potent Photoinduced Crosslinking of photosensitizers for cancer Unmodified Bovine Serum Albumin phototherapy" Functional Consequences" Claudia Cecilia Vera (Instituto de Vicente Marchán (University of 18:35 Bionanotecnología del NOA, AR) Barcelona, ES) 18:15 "Metallochlorins for photodynamic therapy: Experimental results and theoretical calculations" Ana Margarida Silva (REQUIMTE/LAQV, PT) "Molybdenum Clusters for Enhanced Photodynamic and X-ray-Induced Cancer Therapy" Tomas Pribyl (University of

Chemistry and Technology Prague, CZ)

UV radiation and climate effects

Effects Assessment Panel

Chair: Janet Bornman

Room "D"

"Introduction"

Janet Bornman (Food Futures

Institute Murdoch University -

"How stratospheric ozone, air-

pollution, and climate will shape

surface UV radiation in the 21st

century?"

Murdoch University, W. Australia) | 10:45

10:30

through the lens of the Environmental skin aging and pigmentation - curren

fects of solar visible light on huma

status and options for treatment

Chair: Ludger Kolbe

Room "E"

10:30 "Effects of solar visible blue light on

human skin aging and pigmentation

- current status and options for

protection and treatment"

Ludger Kolbe (Applied Skin

Research, DE)

"Analytical imaging and functional

analysis of reactive lipids -

connecting photodamage and

senescence"

Walking tour

Nobel Lecture: Prof. Martin Chalfie

Coffee break

Wednesday August 27th

Material Interfaces for

Photostimulation

Chair: Giuseppe Paternò

Room "C"

"Phototaming of Bacterial

Bioelectricity"

Invited: Giuseppe Maria Paternò

(Politecnico di Milano, IT)

10:55 *"Conjugated polymer nanoparticles* | 10:35 |

for biophotonic applications:

biohybrid photo-sensitive interfaces

for living cells"

Nature's Quest: Discovery and

Applications of Natural

Photosensitizers

Chair: Bianca Siewert

Room "B"

"Nature's Photosensitizers: What

They Are, Where They Hide, and

How to Discover Them"

Invited: Anzhela Galstyan

(University of Duisburg-Essen, DE)

"Natural Dye Extracts as

photosensitizers for sustainable

antimicrobial applications"

18:30

21:00

09:00

10:00 10:00

10:30

10:30

10:55

Hypoxia in PDT (ESP/ASP Symposia)

Chairs: Santi Nonell & Sherri

McFarland
Room "A"

"Photocatalytic water oxidation for

oxygen-independent PDT"

Invited: Santi Nonell (Institut

Quimic de Sarria - Universitat

Ramon Llull, ES)

"ROS dosimetry and effect of

oxygen consumption on PDT

efficacy"

Invited: Manuela Ciocca (Libera Invited: Alkiviadis Bais (Aristotle Invited: Tim Zhu (University of Invited: Anzhela Galstyan Florian Gruber (Medical University Università di Bolzano, ÌT) Pennsylvania, US) 11:20 (University of Duisburg-Essen, DE) 11:20 University, GR) of Vienna, AT) "Integrated global assessment of | 11:10 "Fungal Photosensitizers: Dual the interactive effects of UV "Redefining sun protection -"Selective targeting of proteins and Potential for Photodynamic "Fluorescence proteins: a light radiation, climate and stratospheric Protection strategies to defend solar pathways using Antimicrobial and Cancer management mechanism in Corals" ozone depletion on polar and alpine induced damages beyond the UV photopharmacology" Applications?" ecosystems, photodegradation of spectrum" plant material and of pesticides" Invited: Pamela Vrabl (University of **Invited: Thomas Matthew Robson** Invited: Edtih Glazer (North Ariel García Fleitas (Politecnico di Julianne C Nayar (The University of Carolina State University, US) Innsbruck, AT) Milano, IT) (University of Cumbria, UK) Sydney, AU) "Cyclic AMP Response Element-"Unconventaional Reactive Oxygen Binding Protein (CREB): A Novel "Unconventaional Reactive Oxygen "Optical Characterization of 3D "Potential impacts of solar radiation Early Biomarker for Predicting the Generation and Biological Generation and Biological Light-Driven Bio-Hybrid Actuators' modification (SRM) on ecosystems" Outcomes" Outcomes" Efficacy of Sun Protective Agents in Preventing Skin Carcinogenesis" Invited: Tae-Hyuk Kwon (Ulsan Hilda Mercado-Uribe (Centro de Invited: Kelsey E. Roberts Julianne Clare Nayar (The Andrea Pianetti (Politecnico di Investigación y de Estudios National Institute of Science and (University of Massachusetts, US) Milano, IT) University of Sydney, AU) Technology, KR) Avanzados del IPN, MX) 12:00 12:10 12:00 11:50 11:50 "Assessing Quality of Life in Patients with Photodermatoses: An Examination of the relationship "BODIPYs as Photodynamic and "PFAS or non-PFAS? The between Dermatology Life Quality Photothermal Agents with Index (DLQI), Hospital Anxiety and "On Novel Angular Furocoumarins "Engineering of Light Sensitivity in photochemistry of new(er) CFC Unprecedented Phototoxic Indexes and Their Interaction With DNA" Chlamydomonas reinhardtii" replacements and implications for Depression Scale (HADS), and under Normoxic and Hypoxic Patient-Reported Impact of climate change" Conditions" Dermatological Disease (PRIDD) Scores and Photodiagnostic Investigation Results" Invited: Mads P. Sulbæk **Invited: Bernhard Spingler** Michelle P. Rademacher (Heinrich Anna Bosc (Politecnico di Milano, Marese O'Reilly (Ninewells Hospital Andersen (California State (University of Zurich, CH) Heine University Düsseldorf, DE) and Medical School, UK) University Northridge, US) 12:35 12:15 "Feeding skin cellular regeneration: "UV radiation and climate effects on "B. subtilis membrane potential the importance of 1C metabolism "Experimental challenges in hypoxia photomodulation through newly-"Pterin-Thymidine Adducts" fiber material degradation: research: a panel discussion" and the potential of 5-MTHF to synthesized azobenzenes" Challenges and sustainable design" counteract UV-induced damage' Alessia Luccarini (Università Invited: Sherri A. McFarland (The Carolina Lorente (Universidad Edoardo Cianflone (Politecnico di Invited: Liping Zhu (Donghua Politecnica delle Marche, IT) 13:00 University of Texas at Arlington, US) 12:30 Nacional de La Plata, AR) Milano, IT) University, CN) 12:30 "Biotin-Functionalized Aloe Emodin: 12:20 "Novel photoactuators for bacterial A Novel Photosensitizer for modulation: design, synthesis and Receptor-Mediated Photodynamic characterization" Paula Rivero-Jerez (Pontificia Marta Ghidoli (Politecnico di Milano, 12:45 Universidad Católica de Chile, CL) 12:35 12:45 "Contribution of 2,4-Heptadienal, an 12:35 oxidation product of w-3 "Spatiotemporal Control of Bacterial polyunsaturated fatty acids, to Adhesion via Light-Responsive photoreactivity of peroxidised Modulators" docosahexaenoate" Anna Pawlak (Jagiellonian Alessio Colleoni (University of 12:50 University, PL) Milan, II) 12:50 "The Genesis of Porphyrin Virucidal 12:50 "Investigating The Mechanism of Cardiac Cell Excitability Modulation Photosensitizers from Abiotic by a Membrane-Targeted Processing of Glycine" Photoswitch" Anna Pawlak (Jagiellonian Chiara Florindi (Università degli University, PLFederico Fiori Studi Milano-Bicocca, IT) 12:55 (Università degli Studi di Sassari, IT) 13:00 "Photodynamic inactivation of Alicyclobacillus acidoterrestris spores using different photosensitizers and Xenon Test Chamber Q-SUN®" Leonardo do Prado Silva (University 13:00 of São Paulo, BR) 13:00 Lunch break 14:30 14:30 Young Investigator Award Lectureship Antonio Francés-Monerris: Emergent Photoactivated Anticancer Therapies: A Nicoletta Liguori: Photosynthetic proteins in action! Towards a real-time investigation of how light-harvesting is regulated in photosynthetic organisms Molecular Description 15:30 15:30 Poster Session (click to open the poster list) 18:00 18:00 **ESP General Assembly** 19:00 20:00 Gala Dinner 23:00 Thursday August 28th Plenary Lecture: Prof. Roberta Croce 10:00 "Photosynthesis in the Far-Red: From Cyanobacteria to Plants" 10:00 Coffee break 10:30 Multiscale time-resolved structural notodynamic Priming and Targetin Influencing factors of human UVargeting with light: emerging tools for dynamics of light sensitive Plant UV Photobiology to Overcome Resistance advanced diagnosis and therapy exposure **Chair: Greta Varchi Chair: Michel Sliwa Chair: Alois Schmalwieser Chair: Huang Chiao-Huang Chair: Gareth Jenkins** Room "A" Room "B" Room "C" Room "D" Room "E" "Multiscale time resolved "Photodynamic drug delivery: "Clothing in dependence of "Benzoporphyrin derivative-based spectroscopy to decipher the photo-Designing liposomes for light-"UVR8 photoreceptor action in temperature, gender and age as nanoparticles for the targeted activation mechanism of a influencing factors for everyday life controlled release and enhanced plant responses to UV-B radiation' photodynamic therapy of ovarian switchable near-infrared fluorescent chemotherapy efficacy" UVR exposure" cancer" bacteriophytochromes" Invited: Alois W. Schmalwieser Invited: Carla Arnau del Valle Invited: Michel Sliwa (Université de Invited: Mans Broekgaarden **Invited: Gareth Jenkins** (University of Veterinary Medicine, (Universitat Politècnica de València, (Université Grenoble-Alpes, FR) Lille, FR) (University of Glasgow, UK) 10:55 "Targeted Nanoplatform to "How hydroxylated carotenoids "Environmental and behavioral Overcome Delivery Barriers in enable ultrafast energy transfer in "UV-B perception and signaling in "Porphyrin-peptide targeting Photoimmunotherapy and factors influencing childhood UVR systems for PDT applications" the Kin4B8 rhodopsin: A multiscale plants" Chemotherapy for Peritoneal exposure" computational study" Cancer" Invited: Peter A. Philipsen Invited: Enrico Caruso (Università Invited: Poman IIIm (University of Invited: Sumiao Pana (University of Invited: Laura Pedraza-González

11:20	Invited: Enrico Caruso (Università dell'Insubria, IT)	11:20	Invited: Laura Pedraza-González (Università degli Studi di Pisa, IT)	11:20	Invited: Roman Ulm (University of Genéve, CH)	11:20	Invited: Peter A. Philipsen (Department of Dermatology, Copenhagen University Hospital, DK)	11:20	Invited: Sumiao Pang (University o Maryland, US)
11:20	"Cancer-Associated fibroblasts impact in Photodynamic therapy response through intercellular communication in Oral and Cutaneous Squamous Carcinoma cells"	11:20	"Integrated structural dynamics of a vitamin B12-dependent photoreceptor"	11:20	"Chloroplast movements in alpine plant species along an elevational gradient in UV radiation in the Tatra Mountains"	11:20	"Increasing solar UV radiation in Central Europe"	11:20	"Tuning nanoliposomes for pancreatic cancer chemotherapy by balancing photodynamic therapy, priming, and drug release"
11:45	Invited: Angeles Juarranz (Universidad Autónoma de Madrid, ES)	11:45	Invited: Martin Weik (Institut de Biologie Structurale, FR)	11:45	Invited: Justyna Labuz (Jagiellonian University, PO)	11:45	Invited: Sebastian Lorenz (Federal Office for Radiation Protection, DE)	11:45	Invited: Mans Broekgaarden (Université Grenoble-Alpes, FR)
11:45	"Systematic Targeting of GD2- positive Neuroblastoma Tumors with Photooncolytic Phage Nanobots"	11:45	"The relevance of amino acid- chromophore interaction in protein conformational changes and their impact on chromophore relaxation dynamics"	11:45	"UV-B-mediated acclimation of Norway spruce and Scots pine to high light stress depends on photoperiod"	11:45	"UV radiation exposure of outdoor workers with respect to the Ultraviolet Protection Factor (UPF) of working garments"	11:45	"Investigating photodynamic priming radiotherapy synergy: A mechanisti insight into the efficacy of nanoscintillator-mediated PDT"
12:00	Alberto Danielli (Università degli Studi di Bologna, IT)	12:00	Sara Hernandez Mejias (IMDEA Nanoscience, ES)	12:00	Lara García Campa (Örebro University, SE)	11:55	Alois W. Schmalwieser (Unit of Physiology and Biophysics, University of Veterinary Medicine, AT)	12:00	Invited: Anne-Laure Bulin (Université Grenoble-Alpes, FR)
12:00	"Sensing melanoma cells with hyaluronic acid decorated magnetoplasmonic nanoassemblies: from diagnosis to future therapeutic applications"	12:00	"Electron Return Kinetics in Successive Two-Photon DNA Repair by (6-4) Photolyase"	12:00	"Transcriptional responses to UV-B radiation in Arabidopsis are shaped by PAR intensity and genetic variation"		communication in Environmental Photobiology	12:00	"Overcoming Chemoresistance in Cancer: A Mechanistic Look at PD and ABC Transporters"
12:15	Giuseppe Nocito (Consiglio Nazionale delle Ricerche, IT)	12:15 12:15	Pavel Müller (Université Paris- Saclay, FR)	12:15 12:15	Luis Orlando Morales Suarez (Örebro University, SE)	12:00		12:25 12:25	Huang Chiao Huang (University o Maryland, US)
	"Enhancing Tumor Uptake of Silicon Phthalocyanine and Improving PDT Efficacy in a Triple-Negative Breast Cancer Murine Model via In Situ Sonoporation"	12.13	"Time-resolved structural dynamics of natural and engineered photoreceptors containing non- canonical amino acids"	12.13	"Screening overrules damage repair: layers of protection for enhanced UV tolerance in Botrytis cinerea"	12.00	"Mitochondrial intercellular transfer in response to UV-induced stress"	12.23	"Localization of laser thermal therapy in gliomas using plasmoni gold nanorods"
12:30	Martina Capozza (Università degli Studi di Torino, IT)	12:30	Gustavo Fuertes (Institute of Biotechnology of the Czech Academy of Sciences, CZ)	12:30	Aruppillai Suthaparan (Norwegian University of Life Sciences, NO)	12:15	Sophie Amouret (Université Laval, CA)	12:40	Rebecca Johnson (University of Maryland, US)
12:30	"Fully reversible control over DNA- intercalation with visible light"	12:30	"Dynamics and Fate of the CO2 Photoproduct in Fatty Acid Photodecarboxylase"	12:30	"Physiological response of Porphyra linearis (Rhodophyta) to different UV radiation doses"	12:15	"Dynamic Transcriptomic Responses of Human Dermal Stem Cells to Ultraviolet Radiation: Implications for Melanoma Origin"	12:40	"N-Acetylcysteine as a co-adjuvan in photodynamic therapy for the treatment of cutaneous squamous cell carcinoma"
12:45 12:45	David Grantz (University of Groningen, NL) "Lighting Up the Hypoxic Tumor:	12:45 12:45	Damien Sorigue (Ecole Polytechnique, FR)	12:45 12:45	• ,	12:30 12:30	Mouna Mhamdi-Ghodbani (Elbe Kliniken Stade-Buxtehude, DE) "Effects and uptake of luminescent	12:55 12:55	María Gallego-Rentero (Universida Autónoma de Madrid, ES)
	Folate-targeted, oxygen-generating nanoparticles for synergistic photodynamic and chemotherapeutic treatment"		"Multi-step 11-cis to all-trans retinal photoisomerization in bestrhodopsin, an unusual microbial rhodopsin"		"Detection of chloroplast movements through changes in the leaf ability to depolarize light: application of the Umov effect"		micro- and nanoplastics labelled with lanthanide-doped upconverting nanoparticles in small aquatic organisms"		"Mission to Kill - Investigating nove photochemical strategies to eliminate cholangiocarcinoma"
13:00	Luca Menilli (Università degli Studi di Padova, IT)	13:00	John T.M. Kennis (Vrije Universiteit Amsterdam, NL) "Conformational heterogeneity and	13:00	Pawel Hermanowicz (Jagiellonian University, PO)	12:45 12:45	Joanna Musiał (Adam Mickiewicz University, PL)	13:00	Riccarda Katharina Læret (Oslo University Hospital, NO)
			protonation equilibria shape the photocycle branching in channelrhodopsin-2"				"Bifunctional natural antioxidants targeting mitochondria for UVA-induced photoprotection"		
		13:10 13:10	Matteo Capone (Consiglio Nazionale delle ricerche, IT) "Mechanism and Dynamics of			13:00	Charareh Pourzand (University of Bath, UK)		
		13:20	Photoswitchable Flavoprotein Charge-Transfer Complexes" Bo Zhuang (Peking University, CN)	-					
13:00 15:00					Lunch break				
15:00 15:30			neoretical Photochemistry and		eynote Lecture: Prof. Franz Trauting "Photodermatology - Quo Vadis?"	jer			
	f-assembled photosensitizers. Inomaterials for phototherapy		chemiexcitation in Biology and Medicine		ecision Photobiology: Tailoring ght Environments in Controlled Environment Agriculture	F	Photosynthetic Efficiency and Resilience		hototherapy a valuable treatmention in dermatology nowadays?
	Chair: Gema de la Torre		Chair: Antonio Monari		Chair: Matt Jones		Chair: Maya Lambreva	С	hair: Piergiacomo Calzavara Pinton
15:30	Room "A" "Light-induced disruptive	15:30	Room "B" "Don't Help them to Bury the lights	15:30	Room "C" "Developmental Plasticity in	15:30	Room "D"	15:30	Room "E" "PUVA - Still an Invaluable Option
	porphysomes with improved photodynamic applications against cancer and bacterial infections" Invited: Ali Makky (Institut Galien		Multiscale methods to Simulate Photobiological Processes" Invited: Antonio Monari (Université		Vertical Farms" Invited: Matt Jones (University of		"Bioenergetics of the cyanobacteria during mixotrophy" Invited: Yagut Allahverdiyeva-		for Skin Disease?" Invited: Sally Ibbotson (Ninewell
15:55 15:55	Paris-Saclay, University Paris- Saclay, FR) "Harnessing Dynamic Supramolecular Polymers for	15:55 15:55	Paris Cité, FR) "Multiscale Simulation of a Fluorescent Probe Sensitive to	15:55 15:55	Glasgow, UK) "The Role of Phytochrome Interacting Factors (PIFs) in	15:55 15:55	Rinne (University of Turku, FI) "Photosynthesis regulation impacts carbon and nitrogen assimilation in	15:55 15:55	Hospital & Medical School, UK) "Phototherapy of atopic dermatitis
	Targeted Photodynamic Therapy" Invited: Miguel García-Iglesias	-	Different DNA Structural Conformations" Invited: Marco Marazzi	-	Reducing Food Waste" Invited: Amanda Burridge		the diazotrophic cyanobacterium Anabaena sp. PCC 7120" Invited: Giorgio Perin (Università	-	Maria Teresa Rossi (Università deg
16:20 16:20	(Universidad de Cantabria, ES) "Nanostructured amphiphilic phthalocyanines and metallosupramolecular porphyrinoid	16:20 16:20	(Universidad de Alcalá, ES) "Leveraging computational methods to characterize the photophysical	16:20 16:20	(University of Bristol, UK) "Translating academic photobiology	16:20 16:20	degli Studi di Padova, IT) "Aquatic photosynthesis in extreme	16:20 16:20	Studi di Brescia, IT) "Phototherapy for psoriasis at the age of biologicals (originators and
	assemblies for targeted phototherapy" Invited: Gema de la Torre		features of emerging light-activated anticancer agents" Invited: Marta Erminia Alberto		to the context of a vertical farm" Invited: Phil Butlin (Crop	_	temperatures" Invited: Volha Chukhutsina (Vrije	_	biosimilars)" Invited: Peter Wolf (Medical
16:45 16:45 17:15	(Universidad Autónoma de Madrid, ES)	16:45	(Università della Calabria, IT)	16:45	Research Centre, UK) Coffee break	16:45	Universiteit Amsterdam, NL)	16:45	University of Graz, AT)
17:15	"Cluster and kill: the use of clustering-triggered emission materials for antimicrobial photodynamic therapy"	17:15	"Photodynamics of DNA fragments by mixed quantum classical dynamical"	17:15	"Controlling light-energy use in a minimal protein network to understand how plants regulate light harvesting"	17:15	"Nanomaterials for enhanced photoprotection in photosynthetic microorganisms"	17:15	"Phototherapy of vitiligo"
17:30 17:30	Roger Bresoli Obach (Universitat Ramon Llull, ES)	17:30 17:30	Roberto Improta (Consiglio Nazionale delle Ricerche, IT)	17:30	Anjali Pandit (Leiden Institute of Chemistry, NL)	17:40 17:40	Invited: Maya Dimova Lambreva (Consiglio Nazionale delle Ricerche, IT)	17:30 17:30	Piergiacomo Calzavara-Pinton (Università degli Studi di Brescia, l'
	"Modular nanoparticles for bioimaging and photodynamic therapy of breast cancer"		"QM/MM-MD investigations of DNA probes and photoDNAzymes: towards molecular design"	17:30	"Genetic Basis of Tillering Plasticity in Response to Plant Density in Sorghum"		"Photoprotection by non- photochemical quenching compensates for less cortical screening in pale versus melanic sympatric pairs of lichen species"		"Omalizumab therapy for solar urticaria is associated with behavioural and quality-of-life benefits"
17:45	Veronika Huntošová (PJ Šafárik University, SK)	17:45	Elise Dumont (Université Côte d'Azur, FR)	17:45	Asad Riaz (University of Queensland, AU)	17:55	Knut Asbjørn Solhaug (Norwegian University of Life Sciences, NO)	17:45	Kirsty J Rutter (Manchester Academic Health Science Centre UK)
17:45	.	17:45	"Copper Nanoclusters as Vector to			17:55	"Understanding the impact of photoprotection mechanisms on ROS regulation in the moss	17:45	"Identifying new markers that predi the effectiveness of photoprotectiv agents in reducing skin
	"Smart Photoactivatable Assemblies for Eradicating Local Antibiotic-resistant Bacterial Infections"		Cure Menkes Disease: Insights from Molecular Modeling"				Physcomitrium patens"		carcinogenesis"
	Assemblies for Eradicating Local Antibiotic-resistant Bacterial	18:00				18:10	Francesco Paolo Tranne (Università degli Studi di Padova, IT)	18:00	
	Assemblies for Eradicating Local Antibiotic-resistant Bacterial Infections" Khatia Merabishvili (Université	18:00 18:00	Molecular Modeling" Éric Brémond (Université Paris Cité,			18:10 18:10	Francesco Paolo Tranne (Università degli Studi di Padova, IT) "Interactive Effects of Ultraviolet Radiation and Elevated CO2 on Estuarine Phytoplankton: Constant vs Variable Treatments"	18:00	Katie M Dixon (University of Sydne
18:00	Assemblies for Eradicating Local Antibiotic-resistant Bacterial Infections" Khatia Merabishvili (Université Paris-Saclay, FR) "Synthesis and Self-Assembly of Glycosylated Aza-BODIPY		Molecular Modeling" Éric Brémond (Université Paris Cité, FR) "Deciphering the Chemiexcitation Step of Luminol: A Computational			-	Francesco Paolo Tranne (Università degli Studi di Padova, IT) "Interactive Effects of Ultraviolet Radiation and Elevated CO2 on Estuarine Phytoplankton: Constant	18:00	Katie M Dixon (University of Sydne
18:00 18:00 18:15 18:15	Assemblies for Eradicating Local Antibiotic-resistant Bacterial Infections" Khatia Merabishvili (Université Paris-Saclay, FR) "Synthesis and Self-Assembly of Glycosylated Aza-BODIPY Derivatives for Bioimaging" Irene Paramio (Universidad Autónoma de Madrid, ES) "Phthalocyanine-Encapsulated Lignin Nanoparticles for Photodynamic Applications: Data Analysis Assisted	18:00	Molecular Modeling" Éric Brémond (Université Paris Cité, FR) "Deciphering the Chemiexcitation Step of Luminol: A Computational Mechanistic Study" Juliana Cuéllar-Zuquin (Universitat			18:10	Francesco Paolo Tranne (Università degli Studi di Padova, IT) "Interactive Effects of Ultraviolet Radiation and Elevated CO2 on Estuarine Phytoplankton: Constant vs Variable Treatments" Patrick J. Neale (Smithsonian Environmental Research Center,	18:00	Katie M Dixon (University of Sydne
18:00 18:15	Assemblies for Eradicating Local Antibiotic-resistant Bacterial Infections" Khatia Merabishvili (Université Paris-Saclay, FR) "Synthesis and Self-Assembly of Glycosylated Aza-BODIPY Derivatives for Bioimaging" Irene Paramio (Universidad Autónoma de Madrid, ES) "Phthalocyanine-Encapsulated Lignin Nanoparticles for Photodynamic Applications: Data	18:00 18:05 18:05	Molecular Modeling" Éric Brémond (Université Paris Cité, FR) "Deciphering the Chemiexcitation Step of Luminol: A Computational Mechanistic Study" Juliana Cuéllar-Zuquin (Universitat de València, ES) "Computational Inspection of Light-Sensitive Compounds Properties in			18:10	Francesco Paolo Tranne (Università degli Studi di Padova, IT) "Interactive Effects of Ultraviolet Radiation and Elevated CO2 on Estuarine Phytoplankton: Constant vs Variable Treatments" Patrick J. Neale (Smithsonian Environmental Research Center,	18:00	Katie M Dixon (University of Sydne

Closing Remarks

the dioxetane of melatonin"

Clara Cabrero-Tejero (Universitat Politècnica de València, ES)

18:30