ICP2025

32nd International Conference on Photochemistry

13th – 18th July 2025

# List of Poster Presentations

# Including Last-Minute Posters

Status: July 13, 2025

RWTH AACHEN UNIVERSITY

FAU Friedrich-Alexander-Universität Erlangen-Nürnberg

**Welcome to the 32nd International Conference on Photochemistry in Aachen**

We are delighted to host this esteemed conference in Aachen, the westernmost city in Germany and a vibrant hub in the heart of Europe, nestled near the borders of Belgium and the Netherlands. Historically significant, Aachen has served as the coronation site for kings over the past 600 years. The city's centerpiece, the Aachen Cathedral, stands proudly in the heart of the old town, a testament to its rich history. The city's diverse character encompasses a wealth of historical context, cultural attractions, major events, and an array of museums, alongside its important economic and scientific contributions. We encourage you to explore the many facets of Aachen during your stay at the 32nd International Conference on Photochemistry. The conference will take place from July 13 (Sunday) to July 18 (Friday), 2025, and is jointly organized by RWTH Aachen University (Dominik Wöll) and Friedrich-Alexander-Universität Erlangen-Nürnberg (Dirk M. Guldi). We will dive into a range of relevant scientific topics, including:

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| Frontiers in Photochemical Sciences |
| The Photophysics and Photochemistry of Solar Energy Conversion |
| Pushing the Spectroscopic and Microscopic Limits of Single Molecules |
| Plasmonics & Photonics |
| Photochemical Reaction Kinetics and Mechanisms |
| Industrial Photochemistry |
| Photochemistry and the Sustainable Environment |
| Photoswitches for Super-resolution Fluorescence Microscopy |
| New Theoretical Tools in Photochemistry |
| Advanced Spectroscopic Methods |
| Molecular Photomedicine |
| Photoredox Catalysis |
| Enriching Materials Science with Photochemistry |
| Light-Driven Functional Molecular Systems |

The poster sessions are set to take place on Monday, July 14, 2025 (Poster Session I), and Tuesday, July 15, 2025 (Poster Session II), from 6:00 PM to 8:00 PM. These events will be held in the foyer of the Eurogress Aachen building.

**Information for Poster Presenters:** The maximum poster size permitted is DIN A0 (84.1 cm x 118.9 cm). Please print your posters in portrait orientation. They will be attached to the poster boards using pins, which will be provided by the organizers. Posters can be set up on the designated poster wall starting at 11 a.m. on Monday for Poster Session I and on Tuesday for Poster Session II. If you require assistance, our staff will be more than happy to help. We kindly ask that you remove your poster immediately after the poster session to ensure that the poster walls remain available for the subsequent presentations. Thank you!

We look forward to welcoming you in Aachen. For more information and to access the registration form, please visit the official conference website at www.icp2025.de.

Dominik Wöll (RWTH Aachen University)
Dirk M. Guldi (FAU Erlangen-Nürnberg)

## Poster Session I: Monday, July 14 (18:00 – 20:00)

### Frontiers in Photochemical Sciences

**A1:** Angerer, Simon (University of Regensburg), “Exploring New Bond Insertions of Photogenerated Donor Donor Diazo Compounds”

**A2:** Avila-Serna, Michelle (Instituto de Química UNAM), “Design and Photochemical properties of donor-π-acceptor asymmetric Stenhouse salts”

**A3:** Cora, Diego (Universidade de Santiago de Compostela), “Cas9 aggregation studied at the single-molecule level”

**A4:** Govind, Chinju (University of Geneva), “Excited state symmetry breaking with a twist”

**A5:** Heitmann, Mara (Saarland University), “Unsymmetrically Substituted Pyrene-based Photoacids”

**A6:** Jana, Madhurima (University of Bologna), “Electrochemiluminescence-based detection of clinically relevant pathogens”

**A7:** Jiménez, María Consuelo (Universitat Politècnica de València), “Photoinduced Labeling of Cysteine with Fluorescent Probes”

**A8:** Larios, Alejandro (Instituto de Quimica, Universidad Nacional Autonoma de Mexico), “Experimental and theoretical insight into the nature of the intersystem crossing pathway in 9-nitroanthracene, an extension to the El-Sayed’s rules”

**A9:** Law, Tsz-Kit (The Hong Kong Polytechnic University), “Hemi-Protonated Cytosine-Cytosine Base Pair Controls Ultrafast Excited State Dynamics in Human Telomere and c-MYC Promoter i-Motifs”

**A10:** Lazarevski, Bruno (University of Basel - Department Of Chemistry), “Long-Lived Metal-to-Ligand Charge-Transfer Excited States in Nickel(II) Complexes”

**A11:** Marin, Maria Luisa (Instituto de Tecnología Química, Universitat Politècnica de València-Consejo, Superior de Investigaciones Científicas), “New $TiO_2$-Coated Sand Composite for Scalable Continuous-Flow Photocatalytic Degradation of Microplastics”

**A12:** Markovitsi, Dimitra (CNRS), “Studying UV-induced electronic relaxation in DNA at the frontier of time-resolution”

**A13:** Mejia, Mariana (Massachusetts Institute of Technology), “Primary Photophysics of Nicotinamide Chromophores in Their Oxidized and Reduced Forms”

**A14:** Morgan, Luca (Università Degli Studi di Padova), “Regenerative chemiluminescence from reduction reactions with amino-pyrene derivatives”

**A15:** Olivier, Wesley (RWTH Aachen University), “A photochemical method for the selective oxidative cleavage of arenes over alkenes”

**A16:** Ortega Valdovinos, Luis Ramón (Insitituto de Química, UNAM), “Synthesis and study of amphiphilic photo-switches controlled by two-photon absorption applied to carrier systems.”

**A17:** Paczelt, Viktor (Ruhr-Universität Bochum), “Generation and UV-photolysis of N-methyleneformamide”

**A18:** Tsutskiridze, Armaz (Universität Regensburg), “Advances in Photoinduced Catalysis and Photochemistry Enabled by Near-Infrared Light”

**A20:** Wenzel, Jonas Oliver (Karlsruhe Institute of Technology), "BPI Ligands for Visible-Light Homolysis of E–C Bonds in Main Group Chemistry"

**A21:** Wong, Man-Sing (The University of Edinburgh), “Fluorogenic and Photocatalytic Amino Acids for Imaging T Cell Activity”

**A22:** Zank, Simon (FAU Erlangen-Nürnberg), “Nanohoops Favour Light-Induced Energy Transfer over Charge Separation in Porphyrin/[10]CPP/Fullerene Rotaxanes”

**A23:** De, Arijit (Indian Institute Of Science Education & Research, Mohali), “Dissecting triple emission from a fluorescent protein” (poster presented by Kumari, Anita)

**A24:** Paul, Sasthi (Indian Institute of Science Education and Research Mohali), “New insights into ultrafast excited-state dynamics of green fluorescent protein” (poster presented by Kumari, Anita)

## Poster Session I: Monday, July 14 (18:00 – 20:00)

Industrial Photochemistry

**B1:** Itoh, Akichika (Gifu Pharmaceutical University), "Development of an automation system of ibuprofen synthesis through flow photo Favorskii reaction with robot"

**B2:** Petko, Filip (Cracow University of Technology), “Photoinduced Cationic Frontal Polymerization as a New Method for Curing Thick Composites Materials Using Visible Light”

**B3:** Yen, Shun-Chang (National Taiwan Ocean University), “Applying optical systems for chemical combustion and physical property analyses: Schlieren, Shadowgraph, and Mie Scattering”

## Poster Session I: Monday, July 14 (18:00 – 20:00)

Light-Driven Functional Molecular Systems

**C1:** Banerjee, Debarshi (International Centre for Theoretical Physics (ICTP)), “Heavy Water Induces Intrinsic Fluorescence in Bioorganic Crystals”

**C2:** Basquill, Cody (Florida State University), “Excimer Formation in Solution and Surface-Bound Pyrene Dicarboxylic Acids”

**C3:** Boonmong, Nutnicha (Kyushu University), “Enhancing photon upconversion efficiency via steric protection of π-electron systems with sterically controlled intermolecular interaction”

**C4:** Bravo-Romero, Melissa (Universidad Nacional Autónoma de México), “Indirect Photo-transformation of Molecular Switches using a Pyrrolo-pyrrole Two-Photon Absorbing Antenna”

**C6:** Cingolani, Matteo (Università di Bologna - Dipartimento di Chimica "G. Ciamician"), “Detection of early protein aggregates with fluorogenic hyaluronan nanogels”

**C7:** Drichel, Alwin (DWI – Leibniz Institute for Interactive Materials), “Dynamic Covalent Spiropyran Exchange Systems”

**C8:** Dvoracek, Metodej (TU Dublin), “Unprecedented visible light-initiated topochemical [2+2] cycloaddition in a functionalized bimane dye”

**C9:** Schwarz, Denise (RWTH Aachen University), “Computational Investigation of Photochemistry and Reactivity in Macrocyclic Diarylethenes Photoswitches”

**C10:** Hernandez Mejias, Sara (IMDEA Nanoscience), “Protein-promoted chromophore excited state decay modulation”

**C11:** Hruzíková, Anna (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences), “Towards a Unified Methodology for Half-life Determination of Photoswitches with Highly Stable Z isomer”

**C12:** Kuevda, Alexey (University of Groningen), “Polarization-Sensitive Single-Object Microscopy Resolves Theoretical Debate on the Structure of a Synthetic Light-Harvesting Complex”

**C13:** Kumar, Rohit (ISM, Université de Bordeaux), “Photochemical Control of Gel Disassembly mediated by Singlet Oxygen”

**C14:** Lienert, Jonas (Goethe University Frankfurt), “Multistate Dihydroazulene-Spiropyran Dyads: Path-Dependent Switchings and Refinement of the “Meta-rule” of Photoactivity”

**C15:** Maity, Nishith (Christian Albrechts University of Kiel), “Unraveling Excited-State Intramolecular PCET in a Dinuclear Ir(III) Complex via Ultrafast Spectroscopy and Strategic Hydroquinone Core Modifications”

**C16:** Matasovic, Lujo (University of Cambridge), “Role of Molecular Topology on Quartet-Derived Luminescence in Emissive Radicals”

**C17:** Metzen, Christian (RWTH Aachen University), “Photoswitchably Crosslinked Microgels and their Super-resolved Visualization”

**C18:** Moghtader, Julian Amir (JGU Mainz, Kerzig Group), "At the “peak” of TTA upconversion: clear advantages of TIPS substituents"

**C19:** Nakase, Kotaro (Ritsumeikan University), “Multistep Photochromic Reactions of a Stilbene-Anthraquinone Conjugate Based on Self-Accelerating Photoreduction”

**C20:** Omist, Alicia (DIPC), “Non-kasha photo-emission behavior in organic molecules”

**C21:** Orozco-Barrera, Diego (Instituto de Química, UNAM), “One Excitation, Two Isomerizations: Second Generation Oxazolones Photochemistry.”

**C22:** Pereira, Ana Margarida (Maastricht University), “Synthesis of red light photoswitches – The case of Konrad’s azobenzene”

**C23:** Raffy, Guillaume (Institut des Sciences Moléculaires (ISM) - UMR5255), “Structural and Dynamic Studies of Low Molecular Weight Molecular Organogels using Multimodal FLIM, Hyperspectral, Polarization and Super-Resolution Fluorescence Microscopy”

**C24:** Reza-González, Francisco A. (UNAM), “Developing novel two-photon switching systems for non-linear optical super-resolution microscopy”

**C25:** Ricci, Gaetano (Donostia International Physics Center), “Optically addressability of the arylnitrene spin triplet”

**C26:** Rodriguez, Aolani (Instituto de Química, UNAM), “Two-photon release of a radical species and generation of a highly fluorescent probe”

**C27:** Seinfeld, Mathilde (Laboratoire de Chimie, ENS de Lyon), “Unraveling the AIE Mechanism in Red-Emitting Fluorophores: Stereoselective Synthesis and Physicochemical Studies”

**C28:** Shahsavari, Hamid Reza (Institute for Advanced Studies in Basic Sciences (IASBS)), “Luminescent cycloplatinated(II)-thiolate complex stabilized by interaction with a borane compound”

**C29:** Sucre-Rosales, Estefania (University of Geneva), “Ultrafast charge transfer photodynamics in polymeric materials”

**C30:** Thielert, Philipp (University of Freiburg), “Supramolecular light-induced multi-spin systems as qubit candidates”

**C31:** Tideland, Hannah (University of Gothenburg), “Synergetic Photoinduced Electron Transfer and triplet-triplet annihilation upconversion for highly sensitive $K^+$ detection”

**C32:** Wang, Qunying (Niederrhein University of Applied Sciences), “Pattern of Cyanines Controls Photopolymerization via Activated Photoinduced Electron Transfer between 700-1100nm”

**C33:** Yagi, Masayuki (Niigata University), “Non-electric bias hydrogen peroxide production by visible light in a photoelectrochemical cell using an organic polymer photocathode”

**C34:** Yoshioka, Rengo (Okinawa Institute of Science and Technology), “Efficient Organic Long-Persistent Luminescence Enabled by Thermally Activated Delayed Fluorescence Molecule”

## Poster Session I: Monday, July 14 (18:00 – 20:00)

New Theoretical Tools in Photochemistry

**D1:** Guhl, Jasper (Heinrich Heine Universität Düsseldorf), “Design of efficient, NIR-luminescent Pd/Pt(0) complexes”

**D2:** Kremper, Jennifer (Heinrich-Heine University), “Photophysical Properties of a TADF Emitter in Complex Environments”

**D3:** Olivier, Yoann (University of Namur), “Optically addressable organic radicals for quantum information and photochemical upconversion applications: A computational perspective.”

**D4:** Perumal Marisami, Janaarthana Babu (DIPC), "Enhancing RASCI Excitation Energy Accuracy with Second-Order Perturbation Theory"

**D5:** Ueda, Sakuya (The University of Electro-communications), “Deciphering carbon–sulfur rotational distribution in a crystalline host for enhanced red persistent organic phosphorescence”

**D6:** Valverde, Danillo (University Of Namur), “Theoretical Investigation on the Reverse Intersystem Crossing Mechanism in Inverted Singlet-Triplet Gap Molecules”

## Poster Session I: Monday, July 14 (18:00 – 20:00)

Photochemistry and the Sustainable Environment

**E1:** Avcu, M. Tuğrul (Koç University), “Photocatalytic Water Splitting with Ta and Ti Doped 2D Niobate Perovskites”

**E2:** Brettschneider, Sarah (RWTH Aachen University), “Modular Solid-State Sono-Piezo-Photocatalysts for Efficient Hydrogen Peroxide Production”

**E3:** Duong, Thi Thanh Hoa (Leibniz Institute For Catalysis e.V. (LIKAT)), “Boosting photocatalytic performance of bismuth molybdate in DCF degradation by controlling the molar Bi to Mo synthesis ratio”

**E4:** Eggenweiler, Henri (Universität Basel), “Copper(I) Isocyanide Complexes Featuring High Triplet Energies”

**E5:** Fan, Yu (City University of Hong Kong), “Design and Study of Luminescent Re(I) Complexes with Strong $\pi$-Accepting Anionic Ligands”

**E6:** Fischer, Alexander (JGU Mainz AK Heinze), “A blessing and a curse: remote ligand functionalization modulates 3MLCT relaxation in group 6 tricarbonyl complexes”

**E7:** Förster, Moritz (Johannes Gutenberg-Universität Mainz), “Luminescent Octahedral Group 14 Complexes”

**E8:** Gao, Mengyue (The University of Hong Kong), “Dinuclear Cyclometalated Pincer Nickel(II) Complexes with Metal-Metal-to-Ligand Charge Transfer Excited States and Near-Infrared Emission”

**E9:** Grigoras, Amalia Malina (University of Perugia), “Adsorption and Light dating: photocatalytic water remediation based on $\alpha$-$Bi_2O_3$”

**E10:** Hartkorn, Marco (Ulm University), “Photocatalytic On-demand Hydrogen Evolution - A Water-soluble Copolymer for Storage and Catalytic Conversion of Electrons”

**E11:** Häser, Leonie S. (ITMC, RWTH Aachen University), “Accessing Photocatalytically Active Covalent Triazine-based Frameworks by Ball Milling: A Fast and Facile Synthesis Method”

**E12:** Hübner, Daniella (Universität Osnabrück), “Red-to-blue photon upconversion nanoparticles and their photocatalytic activity for polymerization in water”

**E13:** Kabeer K, Adhil (IMDEA Nanoscience, Madrid), “Towards Orchestrating TADF Properties with Proteins as Scaffolds”

**E14:** Lee, Byeong-Kyu (University of Ulsan), “Internal electric field engineering for boosting visible-light-driven $H_2$ production”

**E15:** Leistikow, Georg (University of Heidelberg), "Light-Induced Metal-Free Generation of Cyanocarbenes from Alkynyl Triazenes for the Synthesis of Nitrile Derivatives"

**E16:** Leśniewicz, Aleksandra (Adam Mickiewicz University in Poznan), "Probing Mechanism of Rhodamine B Decolorization under Homogeneous Conditions via pH-Controlled Photocatalysis with Anionic Porphyrin"

**E17:** Liu, Wu-Han (ITRI), "Exploring $Al_2O_3$–ZnO Composite Coatings as Photocatalysts: A Novel Approach Using Thermal Spraying Technique"

**E18:** Marlina, Dini (University of Potsdam), "Polymer-Peptide Conjugates for Enhanced Lanthanide Recovery: A Comparative Study Using Time-Resolved Laser-Induced Fluorescence Spectroscopy (TRLFS)"

**E19:** Rahman, Atikur (IIMDEA Nanociencia), "Harnessing Energy and Electron Transfer Processes in Engineered Bio-Hybrids for Enantioselective Photocatalysis"

**E20:** Rein, Alexandra Stefanie Jessica (Ulm University), "Supramolecular manipulation of heteroleptic iron(II) chromophores"

**E21:** Säbb, Emil (Uppsala University), "Photophysical properties of monobenzopentalene and its derivatives"

**E22:** Sethi, Mukul (Ulm University), "Designing B-$TiO_2$ photoelectrodes for efficient photochemical water splitting with an operando focus on the modular photoreactor"

**E23:** Takagi, Toranosuke (Institute of Science Tokyo), "Ligand exchange of $CsPbBr_3$ perovskite nanocrystals and observation of single-particle electroluminescence"

**E24:** Tamay, Ilayda Meltem (Koç University), "Investigation on the Photocatalytic Methanol Oxidation Activity of Layered Niobate Perovskites Coupled with Metal Sulfide Nanoparticles"

**E25:** Tran, Phuong Anh (Leibniz Institute for Catalysis. e.V.), "Synthesis and photocatalytic applications of carbon dots/polymeric carbon nitride composites"

**E26:** Valaei, Akbar (Ulm University), "Integrating Photocharging of $TiO_2$ Aerogels and $N_2$-Reduction in Taylor Flow for On-Demand Ammonia Synthesis"

**E28:** Witas, Kamil (Ulm University), "Beyond the First Coordination Sphere – Manipulating Excited States in Heteroleptic Iron(II) Chromophores with Protons"

**E29:** Wu, Minghui (Maastricht University), "Non-Innocent Behavior of Aromatic Isocyanides under Visible Light: A Pathway to Thioformimidates"

**E30:** Bag, Debdulal (Tata Institute of Fundamental Research), "Solar Renewable Battery and Dark Photocatalysis"

## Poster Session I: Monday, July 14 (18:00 – 20:00)

### Pushing the Spectroscopic and Microscopic Limits of Single Molecules

**F1:** Chen, Xiong (KU Leuven University), "Sequence-Specific Fluorescent Labeling of DNA Leveraging Natural Mechanisms"

**F2:** Höche, Hannah (RWTH Aachen University), "Estimating the local water content in polymer systems using super-resolution fluorescence microscopy"

**F3:** Malsbenden, David (RWTH Aachen University), "Formation of Three-Dimensional Cross-Linked Polymer Networks Studied by Single Molecule Tracking"

**F4:** Schöngen, Damian (RWTH Aachen University), "FEDUP: extending the range of feasible diffusion imaging"

**F5:** Shimura, Riku (The University of Electro-Communications), "Oxygen quantification based on the persistent phosphorescence lifetime of host–guest nanocrystals"

**F6:** Trottenberg, Leon (RWTH Aachen University), "Influence of Nile Red on the internal structure of pNIPAM microgels investigated with combined spectral and lifetime measurements"

## Poster Session I: Monday, July 14 (18:00 – 20:00)

### The Photophysics and Photochemistry of Solar Energy Conversion

**G1:** Ahn, Da Hee (Chungbuk National University), "Enhancement of the Photoelectrochemical Performance of CoreShell Structured Hematite Photoanode with Homojunction Configuration"

**G2:** Beneventi, Giovanni Mariano (FAU Erlangen-Nürnberg), "Length-Dependent Optoelectronic Behavior in Nanographenes"

**G3:** Biebl, Sonja Maria (Eberhard Karls Universität Tübingen), "Functionalized 1,2-dihydro-1,2-azaborinines for Molecular Solar Thermal energy storage"

**G4:** Bisht, Jyoti (Friedrich Schiller University Jena), "Insight into excited state dynamics of PM6:Y6 Bulk-Heterojunction: deposited via Langmuir Schaefer deposition technique"

**G5:** Bo, Yifan (FAU Erlangen-Nürnberg), "Intramolecular Down- and Up-Conversion in Dimeric Tetracene Complexes Centered via Platinum(II) and Palladium(II)"

**G6:** Burgoyne Morris, Georgina (University of Cambridge), "Effect of Host Oxygen Permeability on the Efficiency of Solid-State Photon Upconverters for Photovoltaics"

**G7:** Cantoni, Roberto (University of Perugia), "Aggregation-Induced Singlet Fission in Push-Pull Diketopyrrolopyrrole Water Dispersed Nanoaggregates and Thin Films"

**G8:** Choi, Seoung Heon (Chungbuk National University), "Revealing the Origin of the Improved OER Activity of Ni-Based ZIFs on α-$Fe_2O_3$ Photoanode using NF-HD-TG Spectroscopic and PEIS Techniques"

**G9:** Das, Shirsendu (University of Twente), "The mechanism of hole diffusion and the role of coherent phonon modes in lithium doped bismuth vanadate photoanodes"

**G10:** Dumitrascu, Alexandru George (LEMPI), "Photo-assisted recharge of Lithium Ion battery"

**G11:** Dunlop, David (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences), "Positional Isomerism of Sulfur Determines Which $C_8H_6S$-Heterocycles are Candidates for Anti-Kasha $S_2$-$T_1$ Singlet Fission"

**G12:** Eberhart, Michael (New Jersey Institute of Technology), "Controlling Electron Transfer Reactions for Artificial Photosynthesis"

**G13:** Furube, Akihiro (Tokushima Univ.), "Enhanced Visible Light Response and Photoinduced Charge Transfer Dynamics of Gold/SiC Nano-Composite Photocatalysts"

**G14:** García González, Asier (IMDEA Nanoscience), "Understanding the impact of aminoacid networks on protein-based artificial photosystems"

**G15:** Gómez, Roberto (University of Alicante), "Metal tungstates as photoanodes for water oxidation: computational and experimental results"

**G16:** Greißel, Phillip (FAU Erlangen-Nürnberg), "Intramolecular Singlet Fission in Individual Graphene Nanoribbons–Competition with Charge Transfer"

**G17:** Herm, Maximilian (FAU Erlangen-Nürnberg), "The Photochemical E/Z-Isomerization Pathway of the NIR Photoswitch peri-Anthracenethioindigo"

**G18:** Hong, Aram (Chungbuk National University), "Photoelectrochemical Water Splitting and Charge Transfer Dynamics of Bismuth Vanadate ($BiVO_4$) Photoanode with Chiral Perovskite"

**G19:** Itagaki, Ren (Kyoto University), "Phase-Migrating Z-Scheme Charge Transportation Enables Photoredox Catalysis Harnessing Water as an Electron Source"

**G20:** Jana, Bikash (CIC biomaGUNE), "Mechanism of photocatalytic hydrogen generation in carbon nanodots photocatalysts"

**G21:** Jang, Seong Kyu (Chungbuk National University), "Estimations of the Activation Energies for the Charge Transfers of the Long-Lived Holes at the Semiconductor/Electrolyte Interfaces of α-$Fe_2O_3$ and α-$Fe_2O_3$/Co-Pi Photoanodes."

**G22:** Jeong, Seung Hyeon (Chungbuk National University), "Investigation of Hole Transfer Efficiency in $MAPbI_3$ Perovskite Solar Cells with Various Copper-based Hole Transport Materials Using Near-Field Heterodyne Transient Grating Spectroscopy"

**G23:** Kandappa, Sunil (Uppsala University), "Understanding the Mediator Enhanced Triplet-Triplet Annihilation Upconversion"

**G24:** Kim, Gun Woo (Chungbuk National University), "Investigation of the Charge Carrier Dynamics in $MAPbBr_3$ and $MAPbI_3$ Perovskites Using a Near-Field Heterodyne Transient Grating Spectroscopic Technique"

**G25:** Kippes, Mathieu (FAU Erlangen-Nürnberg), "Influence of linkers between norbornadiene and perylenediimide at the N-position on photoswitching and photochemical properties"

**G26:** Krishna, Swathi (FAU Erlangen-Nürnberg), "Pushing the Limits Towards Long-Lived Charge Separation in Ruthenium (II) Phthalocyanine-Subporphyrazine Conjugates"

**G27:** Leung, Chi-Fai (Department of Science and Environmental Studies, The Education University of Hong Kong), "Function-integrated Cyclometalated Diruthenium Photocatalyst for $CO_2$ Reduction"

**G28:** Li, Yi (Technical Institute of Physics and Chemistry, Chinese Academy of Sciences), "Crystalline hydrogen-bonded organic framework for air-tolerant triplet-triplet annihilation upconversion"

**G29:** Mikie, Tsubasa (Hiroshima University), "Impact of semiconducting polymer crystallinity on hydrogen evolution in organic p/n heterojunction nanoparticle photocatalysts"

**G30:** Odutola, Jokotadeola (Tampere University), "Just add Salmiakki: Photophysics of $NH_4Cl$-Modified Potassium Poly (Heptazine Imide) for Enhanced Photocatalytic Hydrogen Peroxide Production"

**G31:** Thiel, Dominik (FAU Erlangen-Nürnberg), „Intramolecular Triplet Diffusion Facilitates Triplet Dissociation in a Pentacene Hexamer"

**G32:** Raj, Amar (Nanoscience Center, University of Jyväskylä), "Ultrafast Insights into Monohybrid CN- via femtosecond-TA and In-Situ Gaseous Raman Spectroscopy"

**G33:** Reimann, Louise (ICIQ), "De novo protein design for efficient solar energy conversion"

**G34:** Seth, Sudipta (KU Leuven), "Unveiling Microscopic Charge Carrier Dynamics of Perovskite Solar Cells in Action"

**G35**: Shim, Yeon Gyo (Chungbuk National University), "Anodic Potential Shift in Hematite Photoanode Induced by $TiO_2$ Underlayer: Origin and Mitigation"

**G36:** Sivanarayanan, Jibin (IISER Thiruvananthapuram), "Unlocking the Room Temperature Phosphorescence through Halogen Engineering in Carbazole Dimer"

**G37:** Suzuki, Hajime (Kyoto University), "Interface Engineering between Layered Oxyhalide Photocatalyst and Cocatalyst for Enhancing Water Oxidation"

**G38:** Szychta, Kamil (University of Warsaw), "Aromatic α-hydroxy Schiff bases for Molecular Solar Thermal Energy Storage applications"

**G39:** Takahashi, Reiya (Kyoto University), "Enhancing Photocatalytic $O_2$ Evolution over Double-Layered Perovskite Oxyiodide through Flux Synthesis and Surface Modifications"

**G40:** Tingare, Yogesh (National Taipei University of Technology), "Fluorinated Nitrogen-rich heterocycle-based hole transport materials for defect passivation in inverted perovskite solar cells"

**G41:** V. Muralidharan, Anjana (IISER Thiruvananthapuram), "Long-Lived Intramolecular Charge Transfer in Persubstituted Perylenediimide"

**G42:** Yoosefi, Sahar (Ulm University), "Ruthenium(II) Complexes with Functionalized Phenanthroline Ligands: Synthesis, Structural Characterization"

**G43:** Sheeja Sury, Adhra (Indian Institute of Science Education and Research), "Triplet-Triplet Annihilation Upconversion Mediated Photocatalysis Using Quantum Dots"

**G44:** Park, JaeHong (Ewha Womans University), "A ROLE OF INTERMOLECULAR INTERACTIONS ON EXCITON DYNAMICS"

## Poster Session II: Tuesday, July 15 (18:00 – 20:00)

### Advanced Spectroscopic Methods

**H1:** Alebardi, Martina (University of Perugia, Department of Chemistry, Biology and Biotechnology), "Ultrafast Features of Intermolecular Singlet Fission in Quinoidal Push-Pull Molecules"

**H2:** Gensch, Thomas (Institute of Biological Information Processing 1 (IBI-1; Molecular And Cellular Physiology); Forschungszentrum Jülich), "Molecular Basis of Nitric Oxide Sensing by a Blue Fluorescent Protein"

**H3:** Hou, Yuqi (Dalian University of Technology), "Efficient intersystem crossing in donor-Bodipy dyads/triads and photon upconversion application"

**H4:** Kalal, Bhavika (Indian Institute of Technology, Hyderabad), "Spectroscopic Characterization of 2-(2'-pyridyl)-benzimidazole-(water)1,2 Complexes Isolated in the Gas Phase"

**H5:** Li, Chunyu (The Institute of Photonic Sciences-ICFO), "A novel ultrafast spectroscopic method to determine how and how fast the light-harvesting complexes sense and respond to changes in pH: proof of principle"

**H6:** Montanari, Chiara (University of Perugia), "Red Thermally Activated Delayed Fluorescence with nearly zero gap in phenothiazine-naphthalimide derivatives"

**H7:** Pal, Chandrani (Indian Institute of Technology Kanpur), "Conformational Switching of a Nano-Size Urea-bridged Zn(II)Porphyrin Dimer by External Stimuli"

**H8:** Saha, Abhijit (Indian Institute of Technology Kanpur), "Fine-tuning the Excited State Dynamics of Ruthenium(II) Polypyridyl Complexes with Benzazole-Substituted 8-Hydroxyquinolines"

**H9:** Wega, Johannes (University of Geneva), "Ground-State Structure and Excited-State Dynamics of a Donor-Acceptor Complex with Two Charge-Transfer Bands"

**H10:** Zhang, Xue, (Dalian University of Technology), "The spatial distribution of triplet state wave function in molecules with large π-conjugated systems"

**H11:** Zimmermann, Simon L. (Heinrich Heine University Düsseldorf), "Assignment of Transient States in Copper(I) Complexes by Femtosecond Near Infrared Spectroscopy"

**H12:** Arvanitakis, Georgios (Edinburgh Instruments Ltd.), "Probing Excited-State Dynamics in $TiO_2$ and $TiO_2$/rGO Hybrids via Transient Absorption"

## Poster Session II: Tuesday, July 15 (18:00 – 20:00)

### Enriching Materials Science with Photochemistry

**I1:** Auria-luna, Fernando (Universidad del País Vasco (UPV/EHU)), "The BOLD project: Applying organic chemistry and photochemistry to particle physics by means of Barium tagging"

**I2:** Casnati, Francesco (Università di Bologna), "Photoinduced cleavage of triarylmethane crosslinked polymers with photoacid"

**I3:** Coccimiglio, Mariafrancesca (University of Salento - University of Perugia), "Integrating deployment of bio-waste based complex-nanosystem' photo-active modulable behavior in colloidal aqueous solution"

**I4:** de Lange, Robert Dirk (Institute of Physical Chemistry, RWTH Aachen University), "UV-Induced Response of Dual Stimuli-Responsive pNIPAM Microgels Functionalized with Photolabile Protected Amines"

**I5:** Duarte, Luís (Institute of Chemical Research of Catalonia (ICIQ)), "Bio-Inspired Chromophore-Protein Complexes as Color Converting Layers of LEDs"

**I6:** Hauza, Karol (Adam Mickiewicz University), "Photochemistry of chiral porphyrin assemblies on thin ferromagnetic films"

**I7:** Hicguet, Matthieu (Institut des Sciences de Chimie de Rennes), “Synthesis and optoelectronic properties of original bicarbazole-based π-conjugated helical chiral structures”

**I8:** Hirai, Yuichi (NIMS), “Photofunctional Behavior and Tunability of Molecular Solids under Mechanical Stimuli”

**I9:** Huang, Shufang (The University of Osaka), “Tuning phosphorescence through molecular rigidity: role of intramolecular hydrogen bonding in trans-bis(iminopyrazolato)platinum(II) complexes”

**I10:** Jiang, Lanting (UBC), “Photoactive stimuli-responsive flexible Lewis pair oligomers”

**I11:** Kundu, Sangita (Institut Lumière Matière, CNRS), “Ligand Effects on Photothermal Properties of Atomically Precise $Au_{25}$ Nanoclusters”

**I12:** Kunnumma Chelladath, Krishnapriya (Gothenburg University), “The effect of HOMO-FRET on the donor-acceptor FRET efficiency in thin films”

**I13:** Leray, Isabelle (ENS Paris Saclay PPSM), “Fluorescent sensor for monitoring pH in cementitious materials”

**I14:** Llanes Montesino, Luis Enrique (Physical-Chemistry Department, University of Geneva), “Au-25 atomically precise nanoclusters: on the way to elucidate a complex photophysics”

**I15:** Mack, Elena (FAU Erlangen-Nürnberg), “Morphological and electronic control of interfacial charge transfer in 2D transition metal dichalcogenides”

**I16:** Meng, Xinyue (Saarland University), “All-Carbon Mixed Valency: Thiele’s, Chichibabin’s, and Müller’s Radical Cations”

**I17:** Middelhoff, Christoph (FH Münster), “Efficient Blue to UV Up-Conversion through Energy Transfer between $Pr^{3+}$ and $Gd^{3+}$”

**I18:** Moll, Lena (JMU Wuerzburg), “Axially chiral NIR emitters”

**I19:** Moshniaha, Liliia (OIST), “Organic Long-Persistent Luminescence Enhanced by Charge-Transfer States in Donor–Acceptor Molecules”

**I20:** Murugesan, Chandran (Gachon University), “Electrochemical and fluorescence dual-mode detection of norepinephrine with a portable smartphone assay by nitrogen-doped $Ti_3C_2$ MXene quantum dots”

**I21:** Nagai, Kanato (Ritsumeikan University), “Excited-state dynamics of indium-doped zinc oxide nanocrystals”

**I22:** Nuti, Silvia (Alma Mater Studiorum – Università di Bologna - Dipartimento di Chimica "Giacomo Ciamician"), “Studying Thermochemiluminescence through rational design and nanoparticle integration”

**I23:** Park, Jungjin (Yonsei University), “Stabilizing Diketopyrrolopyrrole Radical Cations Through Carbazoles: Substitution Pattern vs. Spin-Delocalization”

**I24:** Pelorosso, Elisa (Università di Padova), “Enhancing Self-Assembly Complexity via Ligand Exchange in Luminescence Pt(II) Complexes”

**I25:** Ranieri, Donato (University of Perugia), “Encapsulation of silver nanoclusters to increase their luminescent properties”

**I26:** Takayama, Dai (Osaka Metropolitan University), “Exciton dynamics in CdTe quantum dot superlattices with minibands”

**I27:** Tong, Ka-Ming (University of British Columbia), “Photophysics of Platinum(II) Flexible Lewis Pairs Compounds”

**I28:** Uji, Masanori (Department of Chemistry, Graduate School of Science, The University of Tokyo), “In Vivo Optogenetics Based on Heavy Metal-Free Photon Upconversion Nanoparticles”

**I29:** Van Hout, Bob (KU Leuven), “Boosting the Stability and Optoelectronic Performance of $CsPbI_3$ Nanocrystals for the Design of Advanced Red-Emitting LEDs”

**I30:** Völlmecke, Katharina (Paderborn University), “Targeted therapy at the speed of light”

**I31:** Zeng, Yimin (University of British Columbia), “Antimicrobial textiles based on photocrosslinked poly(ethylene-co-acrylic acid)”

**I32:** Zhang, Wenhao (Institute of Science Tokyo), “From mechanosensitive to locked: environment-induced structural diversity in dendronized anthracene nanofibers”

## Poster Session II: Tuesday, July 15 (18:00 – 20:00)

| Molecular Photomedicine |
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| **J1:** Barczyk, Dominik (Jagiellonian University), “Modification of Tetrapyrrolic Photosensitizers as a Strategy to Enhance Photodynamic Therapy Efficiency” |
| **J2:** Dochtermann, Hannah (University of Cologne), “Fluorescent coumarins for the photoinduced activation of Artemisinin – A photopharmacological approach” |
| **J3:** Guo, Xudong (Institute of Chemistry, Chinese Academy of Sciences), “Chalcone Derivatives for β-gal and Aminopeptidase N Detection” |
| **J4:** Harris, Mariah (Institut des Sciences Molécularies d'Orsay (ISMO) - Université Paris Saclay), “Fluorescent Organic Nanoparticles: A Bright Nanotool for Early Detection in Biological Systems” |
| **J5:** Holovan, Denys (McGill University), “Development of a mitochondria-targeted fluorogenic probe for monitoring LDE reactivity during ferroptosis” |
| **J6:** Jeong, Hyunsun (Ewha Womans University), “Tumor-Targeted Exosome-based Heavy Atom-Free Nano-sensitizer for effective Sono-Photodynamic Therapy of Solid Tumors” |
| **J7:** Kolman, Aleksander (Adam Mickiewicz University, Poznań), “Spectroscopic insights into photophysical properties and interactions of m-THPC with Pluronic P123” |
| **J8:** Méndez, Erandi (UNAM), "Time-resolved fluorescence NADH signals as a tool to investigate the adaptative capacity of cell-lines towards changes in available metabolic substrates" |
| **J9:** Ossanna, Riccardo (Institut des Sciences Moléculaires d'Orsay (ISMO UMR 8214)), “Control of the optical absorption properties of nanovectors for photoacoustic imaging (CAP-PHOTOAC)” |
| **J10:** Ott, A. Theresa (Heinrich Heine University), “Photoreaction vs. Electron Transfer: Time-Resolved Spectroscopy on Amotosalen and Mixed DNA Oligomers” |
| **J11:** Rademacher, Michelle P. (HHU Düsseldorf), “(Time-Resolved) Spectroscopy on the Interaction of Novel Angelicins with DNA” |
| **J12:** Repetowski, Paweł (Uniwersytet Jagielloński), “Modified Zn(II) and Pt(II) Sulfonyl Phthalocyanines for Photodynamic and Theranostic Applications” |
| **J13:** van Stiphoudt, Jan (University of Cologne), “Illuminating Artemisinin: A Photochemical Approach to Unlock Its Pharmacological Potential Beyond Malaria” |
| **J14:** Wang, Lan (Leiden University), "Comparison of cis and trans cyclometalated Palladium photosensitizers on the photophysics and supramolecular self-assembly" |
| **J15:** Warszyńska, Marta (Jagiellonian University), “Enhancing Antitumor Immunity with Bacteriochlorin-Based Photodynamic Therapy and Immune Checkpoint Inhibition” |
| **J16:** Yoshihara, Toshitada (Gunma University), “Intracellular oxygen sensing based on time-resolved emission measurements using phosphorescent Ir(III) complexes” |

## Poster Session II: Tuesday, July 15 (18:00 – 20:00)

### Photochemical Reaction Kinetics and Mechanisms

**K1:** Arpa, Enrique Manuel (RWTH Aachen University), “Turning nitroarenes into photocatalysts for energy transfer: triplet energies and beyond”

**K2:** Berger, Julia (Saarland University), “Single-Molecule Spectroscopy of the Excited-State Proton Transfer”

**K3:** Diepold, Niklas (Bielefeld University), “Enhancing the Efficiency of Flavin Photoreduction Inside Enzymes for Application in Biocatalytic Halogenation”

**K4:** Drabkin, Vladimir (Ruhr-Universität Bochum), “H-Tunneling Rotamerization in Glycine Imine”

**K5:** Drizhinin, Sergey (Uni Siegen), “Fluorescent water-sensitive probes for dynamic polymer wetting”

**K6:** Einholz, Christopher (Institute of Physical Chemistry, University of Freiburg), “Unraveling biological magnetoreception by modulating cryptochrome photochemistry”

**K7:** El Moqaouil, Zineb (CEA-I2BC), “Mechanistic Insight into the Photocatalytic Deoxygenation of N–O Bonds Using $[Re(CO)_3bpyCl]$ Photocatalyst”

**K8:** Feldmann, Gereon (RWTH Aachen University), "Ab initio photochemical reaction modeling of the relaxation of $S_1$ photoexcited azobenzene to the ground state using RRK theory"

**K9:** Fella, Fabian (University of Würzburg), "$^{15}$N-labeling of Donor-Acceptor-Dyads for Investigations of the Magnetic Field Dependent Spin Interconversion"

**K10:** Fu, Xingjie (Institut de Physique et de Chimie des Matériaux de Strasbourg), "Effect of the Substitution Groups on the Excited-state Dynamics of Oxindole-based Photoswiches Revealed by Ultrafast Spectroscopies"

**K11:** Groß, Tobias (University of Wuerzburg), “Magnetic field dependent fluorescence in donor-acceptor-dyads”

**K12:** Heger, Dominik (Masaryk University), “Excimer of 1-Methylnaphthalene Originates in Ground State Dimer”

**K13:** Hoffmann, Norbert (CNRS, University of Strasbourg), “Photochemical reactions of oxazolones – Insights in the reaction mechanism”

**K14:** Hou, Yuxuan (University of Copenhagen), “Light in the Garratt–Braverman/[1,5]-H Shift of Ene-diallenes”

**K15:** Kang, Byeongjoo (Yonsei University), “Janus-Type Photophysics of Rotational Isomers in a Diphenylanthracene Dimer”

**K16:** Klaverkamp, David (Heinrich Heine Universität), “The Addition of Photoexcited Nitroarenes to Alkenes traced by Femtosecond Spectroscopy”

**K17:** Kobeleva, Elizaveta (Freie Universität Berlin), "Photo-induced electron transfer in [FeFe] hydrogenases studied by multiscale time resolved infrared spectroscopy"

**K18:** Kölbel, Joseph (Department of Physical Chemistry, University of Geneva), “Illuminating Single- and Multi-Branched Donor–Acceptor Systems with Multidimensional Spectroscopies: Intrinsic Asymmetry, Torsional Disorder and their Redox Dependence”

**K19:** Mahankudo, Sanat Kumar (Institute of Physical Chemistry, Polish Academy Of Sciences), “Early Time Photophysics of Atomically Precise Gold Nanoclusters”

**K20:** Mamusi, Fatemeh (Universitat de Barcelona), “Towards Understanding the Mechanism of Magnetoluminescence in Triarylmethyl-Based Diradicals”

**K21:** Mitra, Prajoy Kumar (IISER Thiruvananthapuram), “Ultrafast Charge Transfer Dynamics in Excited-state Donor-acceptor Benzylideneaniline”

**K22:** Niederst, Léo (LPIM - Université de Haute-Alsace), “An unexpected way to boost Type I photoinitiator reactivity: singlet-singlet energy transfer”

**K23:** Noguchi, Hikaru (University of British Columbia), “Substituent Effects on the Photochemistry of Sulfoxide-Bridged Anthracenes”

**K24:** Nozawa, Shunsuke (High Energy Accelerator Research Organization), "Structural Dynamics of Photo-functional Metal Complexes Studied by Time-resolved XAFS"

**K25:** Peterka, Lukáš (University of Chemistry and Technology, Prague), "Photoinduced Electron Transfer in Bilirubin Model - Oxygen Complex"

**K26:** Pfund, Björn (Michigan State University), "Breaking Kasha's rule to unlock higher excited state reactivity in photoredox catalysis"

**K27:** Putra, Miftahussurur Hamidi (Institute of Theoretical Chemistry Ulm University), "The Mechanistic Process of Catalyst Degradation on RuPt-Based Photochemical Molecular Devices: From Theoretical Perspective"

**K28:** Rabatinová, Kristína (Friedrich Schiller Universität Jena), "In-situ measurement cell integrated into photocatalytic setup for automated exploration of photocatalytic reactions"

**K29:** Santiago Diaz, Lukas (FAU Erlangen-Nürnberg), "Investigation of Iridium(III) Complexes for Organic Photocatalysis via Triplet-Triplet Energy Transfer"

**K30:** Spierling, Leander (University of Basel), "Phenothiazine Sulfoxides as Active Photocatalysts for the Synthesis of γ-Lactones"

**K31:** Toledo, Gabriela (Universidad Nacional Autónoma de México), "Intersystem Crossing in Nitroaromatics Through a $^{1}(\pi\pi^*)$ to a Twisted $^{3}(\pi\,\pi^*)$ Mechanism"

**K32:** Verma, Preetika (Indian Institute of Science Education And Research, Thiruvanthapuram), "Ultrafast Excited-state Dynamics of 4-Hydroxychalcone: Role of Intramolecular Charge Transfer and Photoacidity"

**K33:** Werner, Johannes (Karlsruhe Institute of Technology), "Ultrafast Bond Cleavage in Diorganyl Bis(pyridyl)imino Isoindolide Aluminum Complexes"

**K34:** Pauls, Mike (RWTH Aachen University), "Computational Investigation of Relaxation Pathways in Organic Donor-Functionalized Doublet Emitters"

## Poster Session II: Tuesday, July 15 (18:00 – 20:00)

### Photoredox Catalysis

**L1:** Ahuja, Sapna (CSIRO), "Breaking Energy Barriers: Red Light ConPET Photoredox Catalysis"

**L2:** Angelov, Plamen (University of Greenwich), "Iron-Catalysed LMCT Activation of Alcohol Derivatives for Sustainable Radical Alkylation"

**L3:** Bignardi, Camila, (Unesp), "Visible-Light Photocatalysis with Iron(II) Pyridine–NHC Complexes in Radical and Cationic Photopolymerizations"

**L4:** Chaudhuri, Amrita (University of Bonn), "Harnessing LMCT in Fe-Photocatalyzed Chlorooxygenation of Alkenes: A Gateway to Access Orthogonally Functionalized Synthetic Intermediates"

**L5:** Chen, Chiing-Chang (National Taichung University of Education), "Highly Selective Photocatalytic Conversion of C1 to C2+ Hydrocarbons, $H_2$ Evolution, and Photodegradation of CV Dye Using SbSI and SbSeI as Catalysts"

**L6:** Cristofaro, Silvia (University of Namur), "Controlling Cage Escape Yields of Transition Metal Complexes in Photoinduced Electron Transfer Processes"

**L7:** Gocht, Benedikt (University of Helsinki), "Visible-Light Mediated Synthesis of Substituted Furanones"

**L8:** Göcke, Cornelia (Universität Bielefeld), "Photoredox-catalysed cross-coupling reactions with halogenated amino acids"

**L9:** Heinz, Killiann (University of Chemistry and Technology of Prague), "Tri-oxo-triangulene: a new versatile photocatalyst of highly selective photoredox systems."

**L10:** Huth, Philipp (RWTH Aachen University), "Mechanistic Investigation and Optimisation of the Photocatalytic Production of Hydrogen Peroxide"

**L11:** Kanao, Shuhei (Ritsumeikan University), “Near-UV driven photocatalytic defluorination of PFAS by ZnO nanocrystals”

**L12:** Kumari, Anita (IISER Mohali), “Enhancing Visible-Light Driven Photocatalytic Hydrogen Evolution through Organic Conjugates Integrated with Graphitic Carbon Nitride”

**L13:** Laface, Zoe (University of Milan "la Statale"), “Advanced metal-free photocatalytic strategies for on-resin and in-solution synthesis of peptidomimetics”

**L14:** Merico, Dalila (University of Greenwich), "Supramolecular control of selectivity in photocatalytic C-H bond functionalisation"

**L15:** Nabiyan, Afshin (University of Potsdam), “Polypeptoid Micellar Photocatalysts for Visible-Light-Driven Arene Cyanation in Water”

**L16:** Nakada, Akinobu (Kyoto University), “Conjugated polymers with a built-in metal complex catalyst for visible-light-driven $CO_2$ reduction”

**L17:** Neuner, Julian (Johannes Gutenberg-Universität Mainz), “$[Cr(tpPO)_2]^{3+}$ – a highly photooxidizing and photostable photoredox catalyst”

**L18:** Nikitin, Maksim (University of Regensburg), “Photoredox-Assisted Nickel-Catalyzed Cross-Couplings Facilitated by Brønsted Acid”

**L19:** Nogueira, André (Aeronautics Institute of Technology), “Influence of cobalt precursors on the photocatalytic activity of $Nb_2O_5$-based composites for $CO_2$ reduction”

**L20:** Pérez-Ruiz, Raúl (Universitat Politècnica de València), “HIGHLY EFFICIENT TRIPLET PHOTOSENSITIZERS BASED ON BORON-CENTERED DYES”

**L21:** Seitz, Tobias (RWTH Aachen University), “Entatic State Model Systems in Photochemistry”

**L22:** Sharma, Sushil (The University of British Columbia, Vancouver, Canada), “Photoredox O-ATRP of Styrene via Molecular Design of Imidazole-based Organic TADF Photocatalysts”

**L23:** Toigo, Jessica (University of British Columbia), “Photophysical Properties of Tunable Co(III) Photosensitizers with Phenothiazine-based Ligands”

**L24:** Toyota, Yuto (Ritsumeikan University), “UVA-light induced photocatalytic defluorination of perfluoroalkyl substances by silver-loaded titanium dioxide”

**L25:** Treuheit, Johanna (Johannes Gutenberg University), “Visible light-driven hydrogen production by hydrated electrons in aqueous solutions using a single-molecule catalyst”

**L26:** Varma, Naisargi (Adam Mickiewicz University), “Novel Deazaalloxazine Derivatives for Photo-reductive Catalysis: Synthesis and Photophysical Insights”

**L27:** Zhang, Shen (Queen Mary University of London), “Photoredox catalysed difluoromethylation–triggered transformations of styrene derivatives”

**L28:** Zhang, Yuming (Imperial College London), “Heterostructured Redox Mediator for Photoelectrochemical HMF Oxidation with Simultaneous Hydrogen Production”

## Poster Session II: Tuesday, July 15 (18:00 – 20:00)

### Plasmonics & Photonics

**M1:** Chen, Jui-Kai (KU Leuven), “Exploring optical binding inside and outside laser irradiation area toward a rational design of optical matters”

**M3:** Li, Mu-En (National Yang Ming Chiao Tung University), “Optical binding and assembly outside irradiation area: gold nanoparticles guided by gold nanodisk pattern”

**M4:** Lin, Kuanjiuh (National Chung-Hsing University), “Nonoplasmonic Hybrid Photoelectrodes for One-step Immunosensing Devices“

**M5:** Matsumoto, Reiko (Kanagawa University), “Fabrication of a Plasmonic Tapered Fiber Probe using Gold Nanoparticle Assemblies for Surface-enhanced Raman Scattering”

**M6:** Nara, Ryuga (Kanagawa Univ), “Fabrication of Tapered Optical Fibers Modified with Gold Nanoparticle Assemblies toward Plasmonic Optical Trapping”

**M7:** Nayak, Samir Kumar (IIT MADRAS), “Achieving PFAS Degradation through Plasmon-Induced Hot Carrier Generation in Metal Nanoparticles”

**M9:** Satpathy, Jagannath (KU Leuven), “High-resolution imaging of non-equilibrium colloidal self-assembly by photo-fixation”

**M10:** Schaap, Jorik (University of Twente), “In-situ Transient Absorption Spectroscopy of the Photoreduction of $CO_2$ on Silver Nanoparticles”

**M11:** Shoji, Tatsuya (Kanagawa Univ.), “Development of Photofixation for Polymer Nanoparticles Trapped by Plasmonic Optical Tweezers”

**M12:** Skała, Karolina (Institute of Physical Chemistry, Polish Academy of Sciences), “Resonant enhancement of vibrational signal around atomically precise gold nanoclusters seen with stimulated Raman scattering”

**M13:** Steinke, Michael (Leibniz University Hannover), “Fiber-based Plasmonic Microreactor for Flow Chemistry”

**M14:** Willemsen, Andes (Brown University), “Ultrafast Hot Carrier Decay in Aggregated Plasmonic Systems”