

ISF Young Conference

Monday 26 July (BST)

Time	Session
12:00	Welcome from the committee Holly Jayne Redman & Damien Le Moigne
	Presentations 15mins + 5mins Q&A per speaker <i>Session chair: Marco Lorenzi</i>
12:10	Haem protein scaffolds for photoactivated ruthenium and cobalt water-oxidation catalysts Laura Opdam <i>Leiden Institute of Chemistry, Netherlands</i>
12:30	Proton-Coupled Electron Transfer in a Tyrosine Containing Model Protein Astrid Nilsen-Moe <i>Uppsala University, Sweden</i>
12:50	Understanding molecular systems for solar fuels synthesis in liposomes Santiago Rodriguez Jimenez <i>University of Cambridge, United Kingdom</i>
13:10	Break "Meet the speakers" networking rooms Facilitated virtual networking rooms
14:10	Flash presentations 3min presentations <i>Session chair: Damien Le Moigne</i> Controlling Proton Transfer Rates of Hydrogen Evolution Reaction using Cobalt Carbonyl Clusters Santanu Pattanayak <i>University of California Davis, United States</i> Photocatalytic system for olefin oxidation based on laccase, a renewable dioxygen dependent oxidoreductase Claudio Righetti <i>Aix-Marseille Université, France</i> Efficient and stable conversion of carbon dioxide to propylene on copper nanoparticles Jing Gao <i>École polytechnique fédérale de Lausanne - EPFL, Switzerland</i> Photoelectrochemical Hydrogen Production from Silicon Nanowires Photocathode Jingxian Wang <i>University of Grenoble Alpes, France</i> Immobilization of molecular catalysts on electrode surfaces using host-guest interactions Laurent Severy <i>University of California Berkeley, United States</i>
14:30	Poster session

16:00	Plenary: Enzymatic and Microbial Photobioelectrocatalysis Shelley Minteer <i>University of Utah, USA</i> <i>Session chair: Holly Jayne Redman</i> 30mins + 10mins Q&A
16:40	Break session: Ask the Plenary speaker <i>Chair: Holly Jayne Redman & Brian McCarthy</i>
17:00	Close of day 1 formal sessions Virtual networking rooms remain open

Tuesday 27 July 2021 (BST)

Time	Session
12:00	Welcome to day 2 from chair <i>Session chair: Nolwenn Gueguen</i> Flash presentations 3min presentations Photophysics of Fe-Fe hydrogenase mimics Samantha L. Peralta-Arriaga <i>University of Sheffield, United Kingdom</i> Electrochemically 3D Printed Hematite Thin Films for Solar Fuel Cell Applications Netrapal Singh <i>AcSIR, CSIR-Advanced Materials and Processes Research Institute, Bhopal, India</i> Effect of Varying Magnetic Field on the Alignment of Tandem Semiconductor Microparticles for Unassisted Water-splitting Saumya Gulati <i>University of Louisville, USA</i> Development of a universal conductive platform for anchoring photo- and electroactive proteins using organometallic terpyridine molecular wires Margot Jacquet <i>Center of New Technologies, University of Warsaw, Poland</i> Advancing the Design of Solar Water-Splitting Devices for Hydrogen Generation via Simulation Models Radu Bors <i>Helmholtz-Zentrum Berlin, Germany</i>
12:20	Poster session
	Presentations 15mins + 5mins Q&A <i>Session chair: Nicolas Kaeffer</i>
13:20	Light-induced random features of charge carrier kinetics of photocatalytic CO₂ reduction Zhonghui Zhu <i>Nanjing University of Aeronautics and Astronautics, China</i>

13:40	Molecular Photosystems hosted by Metal-Organic Frameworks for Solar CO₂ Reduction Philip Stanley <i>Technical University of Munich, Germany</i>
14:00	Revisiting amorphous molybdenum sulfide for the electro-driven reduction of N₂ and N-containing nitrogenases substrates Kun Yang <i>University of Grenoble Alpes, France</i>
14:20	Break Virtual networking rooms open “Meet the speaker” networking rooms
14:20	Break session: Careers in Chemistry RSC Careers Team
	Presentations 15mins + 5mins Q&A <i>Session chair: Brian McCarthy</i>
15:20	An open database for the visualisation and meta-analysis of experimentally demonstrated solar photo-electrochemical hydrogen production devices Isaac Holmes-Gentle <i>École Polytechnique Fédérale de Lausanne, Switzerland</i>
15:40	Enhancement of Direct Electron Transfer in Graphene Bioelectrodes Containing Novel Cytochrome c₅₅₃ Variants with Optimized Heme Orientation Miriam Izzo <i>Centre of New Technologies, University of Warsaw, Poland</i>
16:00	Electrocatalytic Conversion of Air Capture Solutions into CO in a Flow Reactor Eric Lees <i>University of British Columbia, Canada</i>
16:20	Closing remarks Brian McCarthy
16:30	Close of formal sessions Virtual networking rooms remain open “Meet the speakers” networking rooms open