

## ISF Young Conference

Monday 26 July (BST)

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

16:00	<b>Plenary: Enzymatic and Microbial Photobioelectrocatalysis</b> Shelley Minteer <i>University of Utah, USA</i>  <i>Session chair: Holly Jayne Redman</i>  30mins + 10mins Q&A
16:40	<b>Break session: Ask the Plenary speaker</b> <i>Chair: Holly Jayne Redman &amp; 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	<b>Welcome to day 2 from chair</b> <i>Session chair: Nolwenn Gueguen</i>  <b>Flash presentations</b> 3min presentations  <b>Photophysics of Fe-Fe hydrogenase mimics</b> Samantha L. Peralta-Arriaga <i>University of Sheffield, United Kingdom</i>  <b>Electrochemically 3D Printed Hematite Thin Films for Solar Fuel Cell Applications</b> Netrapal Singh <i>AcSIR, CSIR-Advanced Materials and Processes Research Institute, Bhopal, India</i>  <b>Effect of Varying Magnetic Field on the Alignment of Tandem Semiconductor Microparticles for Unassisted Water-splitting</b> Saumya Gulati <i>University of Louisville, USA</i>  <b>Development of a universal conductive platform for anchoring photo- and electroactive proteins using organometallic terpyridine molecular wires</b> Margot Jacquet <i>Center of New Technologies, University of Warsaw, Poland</i>  <b>Advancing the Design of Solar Water-Splitting Devices for Hydrogen Generation via Simulation Models</b> Radu Bors <i>Helmholtz-Zentrum Berlin, Germany</i>
12:20	<b>Poster session</b>
	<b>Presentations</b> 15mins + 5mins Q&A <i>Session chair: Nicolas Kaeffer</i>
13:20	<b>Light-induced random features of charge carrier kinetics of photocatalytic CO<sub>2</sub> reduction</b> Zhonghui Zhu <i>Nanjing University of Aeronautics and Astronautics, China</i>

13:40	<b>Molecular Photosystems hosted by Metal-Organic Frameworks for Solar CO<sub>2</sub> Reduction</b> Philip Stanley <i>Technical University of Munich, Germany</i>
14:00	<b>Revisiting amorphous molybdenum sulfide for the electro-driven reduction of N<sub>2</sub> and N-containing nitrogenases substrates</b> Kun Yang <i>University of Grenoble Alpes, France</i>
14:20	Break Virtual networking rooms open “Meet the speaker” networking rooms
14:20	<b>Break session: Careers in Chemistry</b> RSC Careers Team
	<b>Presentations</b> 15mins + 5mins Q&A <i>Session chair: Brian McCarthy</i>
15:20	<b>An open database for the visualisation and meta-analysis of experimentally demonstrated solar photo-electrochemical hydrogen production devices</b> Isaac Holmes-Gentle <i>École Polytechnique Fédérale de Lausanne, Switzerland</i>
15:40	<b>Enhancement of Direct Electron Transfer in Graphene Bioelectrodes Containing Novel Cytochrome c<sub>553</sub> Variants with Optimized Heme Orientation</b> Miriam Izzo <i>Centre of New Technologies, University of Warsaw, Poland</i>
16:00	<b>Electrocatalytic Conversion of Air Capture Solutions into CO in a Flow Reactor</b> Eric Lees <i>University of British Columbia, Canada</i>
16:20	<b>Closing remarks</b> Brian McCarthy
16:30	Close of formal sessions Virtual networking rooms remain open “Meet the speakers” networking rooms open