

Common scientific days of GDR Solar Fuels and Photo Electro Stimulation - 2024, June 24-25-26 - Grenoble

Monday, 24th

13:00-14:00	Arrival of participants - Reception		
14:00-14:10	Opening speech		
14:10-15:00	IL1	Oliver WENGER	Emergent photophysics and photochemistry of first-row transition metal complexes
15:00-15:20	C01	Caitilin McMANUS	Electrochemical CO ₂ reduction by an immobilised molecular bimetallic catalyst
15:20-15:40	C02	Jana MEHREZ	Stereochemical tuning of nickel based HER electro-catalysts
15:40-16:00	C03	Si-Thanh DONG	Assessment of Ni-Mo-Fe based catalysts for solar hydrogen production
16:00-16:30	Coffee break		
16:30-16:50	C04	Daniel CRUZ	On the Photophysics of a Triazatriangulenium Carbocationic Dye for Solar Fuel Production
16:50-17:10	C05	Julie DESCAMPS	Photoinduced electrochemiluminescence: a tool for imaging charge transfer at water-splitting photoanodes
17:10-17:30	C06	Mahdi SAAD	Electrocatalytic Reduction of CO ₂ by Copper Molecular Catalysts
17:30-17:50	C07	Vien-Duong QUACH	Abnormal copper coordination obtained by strong metal-Support interaction as a key for enhanced photocatalytic hydrogen generation
17:50-18:10	C08	Geoffroy GUILLEMOT	Proton-coupled electron transfer to and from polyoxotungstates
18:10-18:30	C09	Maxime VALAY	Communication orale sponsor Orignalys
18:30-21:00	Posters session and Cocktail - Dinner		

Tuesday, 25th

09:10-10:00	IL2	Christel LABERTY	Proton insertion vs. HER : Role of light?
10:00-10:20	C10	Julian GUERRERO	Evaluating P-N Junction Configurations for Enhanced CO ₂ Reduction Using Cu(In,Ga)Se ₂ (CIGS) Based Photocathodes
10:20-10:40	C11	Eliane KHOURY	Bimetallic platinum-copper/titanium dioxide photocatalysts for CO ₂ reduction with water
10:40-11:10	Coffee break		
11:10-11:30	C12	Laura OPDAM	A study of the role of a gas channel residue in the small molecule selectivity of CODH TC2
11:30-11:50	C13	Mariet SIBI PUTHANAGADY	Carbon isotope radiolabeling via photo-induced carbon dioxide radical and formate salts. Insight into the mechanism
11:50-12:10	C14	Quentin STEMBAUER	Organic photosensitizers for photoelectrochemical cells based on semiconductor of delafossite structure for sustainable hydrogen production
12:10-12:30	C15	Julie ANDREZ	Heptazine Chemistry Development for CCE Applications
12:30-13:45	Lunch		
13:45-14:25			Presentation projet européen SunCO₂Chem
14:30-14:50	C16	Fatima MERHI	III-V Semiconductor-based photoelectrodes for the solar-driven production of green H ₂
14:50-15:10	C17	Dana STANESCU	Efficient strategies to optimize hematite based photoanodes for efficient solar water splitting
15:10-15:30	C18	Hong Phong DUONG	Improving synthesis of n-propanol from CO reduction by silver and copper nitride electrocatalyst
15:30-15:50	C19	Claire BOURGUIGNON	Development of a novel push-pull organic dye for hydrogen production in dye-sensitized photoelectrochemical cells (DSPECs)
15:50-16:10	C20	Denis FRATH	Photoredox-responsive and Conductive Supramolecular Materials
16:10-16:40	Coffee break		
16:40-17:00	C21	Zineb EL MOQAOUIL	Photocatalytic Deoxygenation of N-O and S-O bonds
17:00-17:20	C22	Encarnacion TORRALBA	Photoelectrocatalytic CO ₂ reduction on bimetallic-decorated silicon photocathodes
17:20-17:40	C23	Julien PERARD	Development of a CO ₂ -biomethanation reactor for producing methane from green H ₂
17:40-18:35	IL3	Kevin SIVULA	Organic Semiconductors for Photoelectrochemical and Photocatalytic Water Splitting
19:00-22:00	Dinner		

Wednesday, 26th

08:30-8:50	C24	Prescillia NICOLAS	Highly SHG active pyrimidine-based liquid crystal for 3D optical storage
08:50-09:10	C25	Yutzil SEGURA-RAMIREZ	CO ₂ Electroreduction from Simulated Low-Concentrated CO ₂ Flue Gas Using Molecular Catalysts
09:10-9:30	C26	Zahraa ABOU KHALIL	Insight in-situ restructuring of coordinated copper in UiO-66 derivatives during visible light driven hydrogen production from formic acid: an operando study
09:30-9:50	C27	Thi-Hieu HOANG	Hydrogen-substituted graphdiyne combined with perovskites toward photocatalytic CO ₂ reduction
09:50-10:20	Coffee break		
10:20-11:10	IL4	Moritz KÜHNEL	The Oxygen dilemma in solar fuel generation
11:10-11:30	C28	Rongning LIN	Artificial photosynthesis: molecular catalysts for water activation and oxidation
11:30-11:50	C29	Irene SUAREZ ANTUNA	A Bio-inspired Heterodinuclear NiFe complex for photocatalytic H ₂ production
11:50-12:10	C30	Riddhi KUMARI RIDDHI	Heterogenized molecular photocatalysis for CO ₂ to formic acid conversion using visible light
12:10-12:30	C31	Cyrille COSTENTIN	Turnover Number in Photoinduced Molecular Catalysis of Hydrogen Evolution: a Benchmarking for Catalysts?
12:30-12:40	Concluding ceremony		
12:40-13:30	Packed lunches		
14:00-16:00	GdR Solar Fuels - General Assembly		

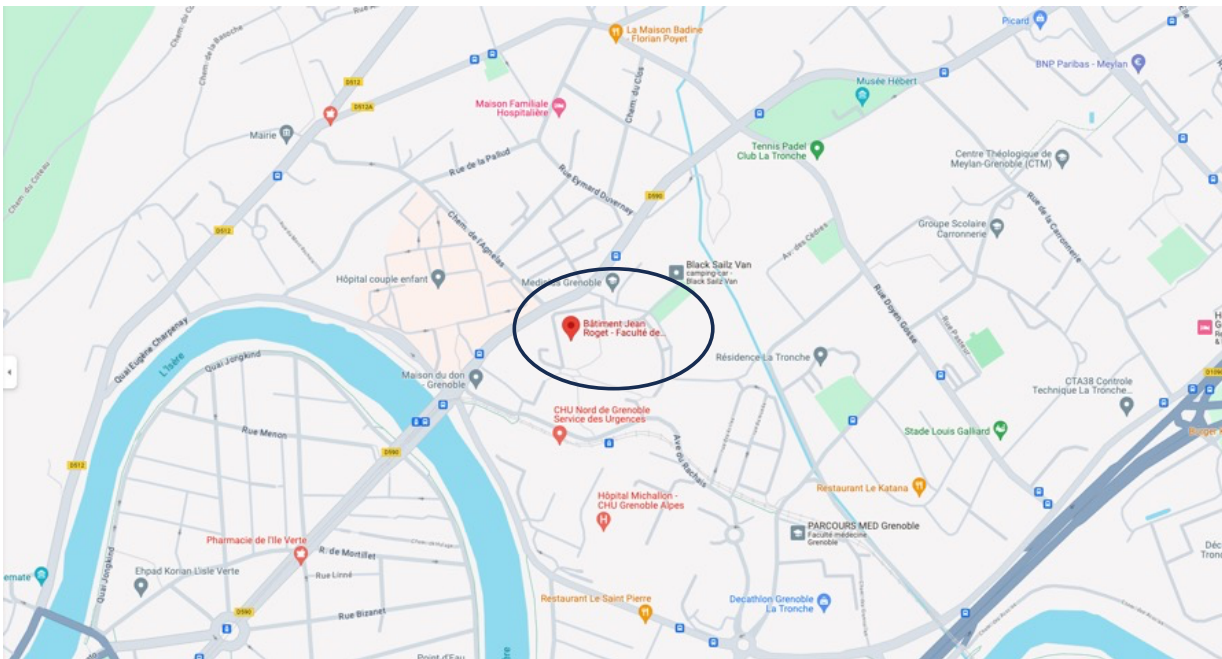
Posters

P01	Artero Vincent	Solar fuels generators: integration at different levels and scales
P02	Hsini Abdelghani	Influence of Sr-doping on structural, optical and photocatalytic properties of synthesized $\text{Ca}_3(\text{PO}_4)_2$
P03	Fabro Cesar Miguel	Imidazolium modified nickel porphyrins: the role of electrostatics in hydrogen evolution catalysis
P04	Dang Thi Huyen My	Photocatalytic systems based on octahedral tungsten halide cluster and polyoxometalates for solar energy conversion
P05	Laisne Lucas	Optimise photoelectrochemical cell
P06	Haurez Alix	Electrocatalytic reduction of CO_2 to methane by copper cluster immobilized on carbon nanotubes
P07	Carino Christian	Light-induced charge accumulation in polyoxometalate-photosensitizer dyads
P08	Gomez-Mingot Maria	Tuning electrocatalytic CO_2 conversion by molecular surface electrode modification
P09	Pham Duong Tuan	Polymeric porphyrin-based material for the activation and reduction of CO_2
P10	Kchour Assil	Tailoring iron porphyrin catalysts for covalent attachment to semiconductor surfaces
P11	Piccoli Alberto	Electrochemical CO_2 reduction with metal-pincer catalysts
P12	Klement Bas	Substituents effect on CO_2 conversion to formate by [FeFe]-hydrogenase mimics
P13	Hoang Huy Tu	Electrochemical and spectroscopic characterization of iron phthalocyanines and their carbene species in homogeneous condition
P14	Kovani Eleni	Polyoxometalate-based artificial photosynthesis
P15	Malano Giorgia	ALD of ternary silicides as efficient catalysts for water photooxidation
P16	Papadakis Michael	Series of bis(thiosemicarbazone) catalysts for photocatalytic hydrogen evolution reaction
P17	Maurel Vincent	Hybrid CdSe/ZnS quantum dots-gold nanoparticles composites assembled by click chemistry: towards affordable and efficient redox photocatalysts
P18	Haake Matthieu	A macrocyclic cobalt-based molecular hybrid cathode for selective CO_2 -to-electroreduction
P19	Chemineau Victor	Development of an experimental set-up in operando conditions to study photoelectrochemical reactions by x-rays absorption spectroscopy
P20	Smith Olivier	Noble-metal-free photocatalytic system for CO_2 reduction in gas phase
P21	Pascal Simon	Design of coupled heptamethine-oxonol dyes
P22	Righetti Claudio	Exploring CODH for electrochemical CO_2 reduction reaction and water-gas shift reaction
P23	Defferrari Diego	Improved synthesis of metal tetrabenzotriazaporphyrins to develop second coordination sphere catalysts
P24	Da Mata Lazinski Leticia	Hemiindigos as acetylcholinesterase inhibitors for photopharmacological applications
P25	Desjonqueres Alix	Proton-coupled electron transfer to and from polyoxotungstates
P26	Moreaux Florian	Optimization of molybdenum-sulfide based electrodes for catalytic hydrogen production under neutral conditions
P27	Naciri Yassine	The impact of metal deposition on graphdiyne-carbon nanotube hybrids for electrolytic hydrogen production
P28	Gomez-Mingot Maria	Encapsulation of polyoxometalates in mof-545 for improving the photocatalytic CO_2 reduction activity hydrogen hydrogen

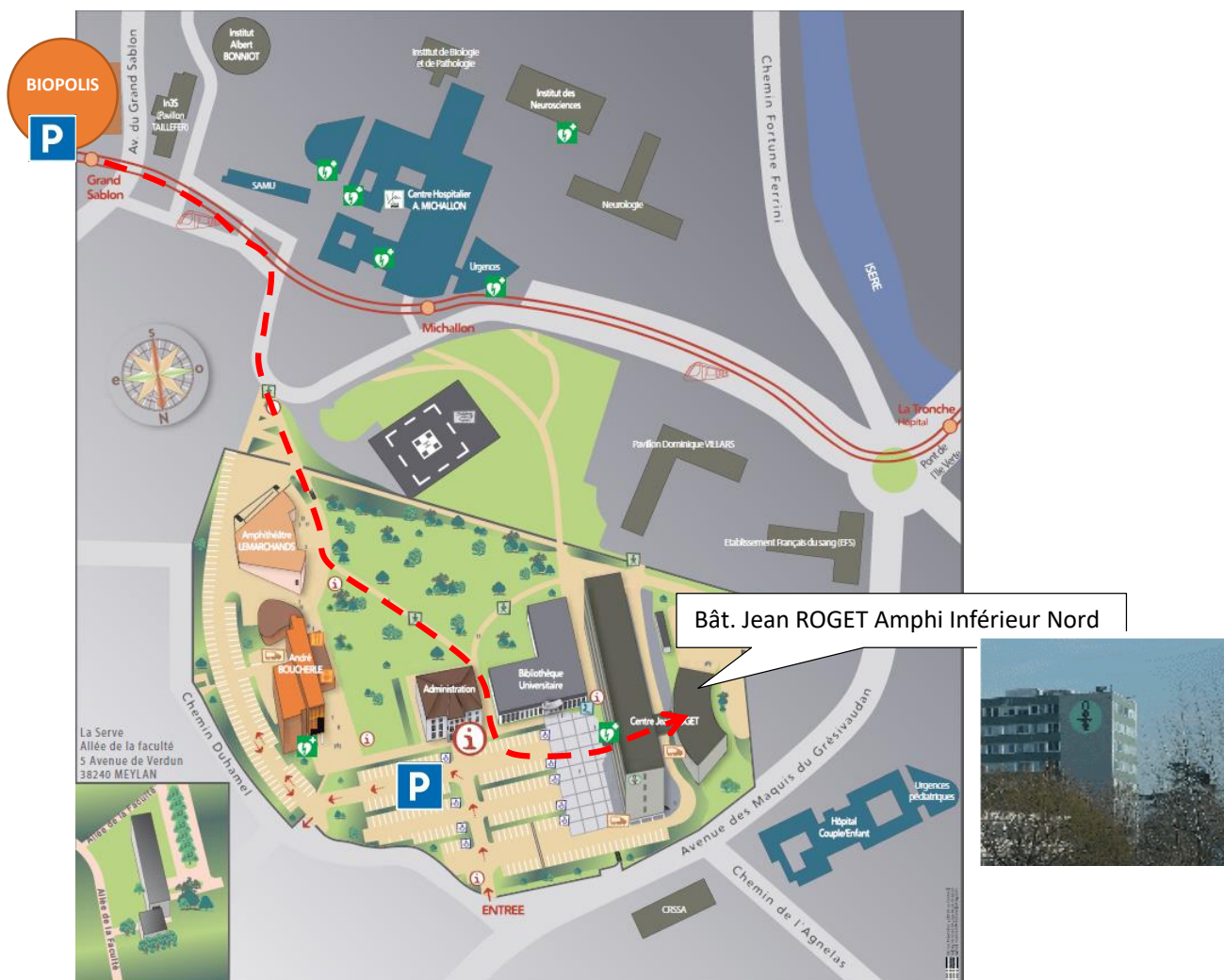
Location

The GDR will take place on the health campus, in the "Amphi inférieur Nord" of the building **Jean ROGET**. The venue is easily accessible by tram (Line B, "Hopital Michallon" or "Sablons" stop).

Adress: **Bâtiment Jean Roget - Faculté de Médecine & Pharmacie, 38700 La Tronche (or Place du commandant Nal)**



Bâtiment Jean ROGET
Amphithéâtre Inférieur Nord
Faculté de Médecine et Pharmacie
38700 La Tronche



Venir en Voiture : [Itinéraire jusqu'au site de Jean Roget](#)

Venir en Tramway : [De la Gare de Grenoble au site Jean Roget](#)

Se garer :

- Parking de la faculté : accès par l'avenue des Maquis du Grésivaudan
- Parking Biopolis (recommandé) : 8 min à pied pour rejoindre le Bât. Jean Roget (voir itinéraire piéton sur le plan - - -)