

02:00 PM - 03:00 PM	PL-5 (Auditorium)	Reductive Transformations of CO ₂ and Lignin Using Molecular Catalysts T. CANTAT, CEA, CNRS, UNIVERSITÉ PARIS-SACLAY
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03:00 PM - 03:30 PM	L'Oréal Lectureship	Glycolipids: from synthesis and self-assembly studies to the design of original bio-based polymers Henri CRAMAIL, UNIVERSITY OF BORDEAUX
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08:30 AM - 09:30 AM	PL-4 (Auditorium)	Novel, selective catalytic routes to organic acids from biomass P. WASSERSCHEID, FRIEDRICH-ALEXANDER-UNIVERSITÄT
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09:30 AM - 10:30 AM						03:30 PM - 04:30 PM L'Oréal Session					
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OC-3-1 (Auditorium)		OC-3-2 (Room 1)		OC-3-3 (Room 2)		OC-3-4 (Room 3)		OC-3-5 (Room 4)		OC-3-6 (Room 5)		FC-6-1 (Auditorium)		FC-6-2 (Room 1)		FC-6-3 (Room 2)		FC-6-4 (Room 4)		FC-6-5 (Room 5)		FC-6-6 (Room 3)			
151	Organic Electrolytes as Versatile Media for the Dissolution of Cellulose Matthew CLOUGH	537	Promoting safety in innovative and sustainable biomass value chains Guy MARLAIR	715	Green Sustainable Epoxidation of Terpenes using Continuous meso-scale Oscillatory Baffled Reactor Mohamad Faiz Mukhtar GUNAM RESUL	613	Oxidative coupling of polycyclic phenols promoted by a chiral vanadium catalyst Hiroaki SASAI	68	Solvent free synthesis of an exothermic imination reaction passively cooled in flow using a Heat Pipe Oscillatory Baffled Reactor (HPOBR) Jonathan MCDONOUGH	507	Isomaltulose: a versatile disaccharidic resource towards biobased chemicals Yves QUENEAU	372	Anionic extraction for recovery of hydrophilic molecules bearing a 1,2-diol motif Irina DELIDOVICH	91	Synthesis and characterization of new biodegradable polymers with antiradical and antimicrobial activities Amandine FLOURAT	368	Aldolisation from biomass dihydroxyacetone (DHA) to surfactants Biwen ZHU	495	Environmental impact of ionic liquids and deep eutectic solvents Sónia VENTURA	443	Sonochemical Deposition of Noble Metal on Latex Beads for the Preparation of Hierarchically Porous Silica Supported Catalysts Tony CHAVE	788	Design and evaluation of modified soy protein microparticles for oral controlled drug delivery Maria Antonieta ANAYA CASTRO		
579	Valorisation of Cellulosic Food Waste to Value-added Chemicals by Heterogeneous Brønsted Catalysts: A Kinetic Study Season CHEN	601	Safety considerations of furanic compounds from an industrial safety point of view - an integrated biorefinery approach Anitha MURALIDHARA	821	Direct conversion of waste glycerol from biodiesel production into value-added products Anh PHAN	967	Green propellants for space propulsion - Current European H2020 projects Rheform (liquid propulsion) and Grail (solid propulsion) Romain BEAUCHET	653	Decomposition Mechanism of Lignin Models on Pt(111) : Insights from Single Crystal Experiments and First Principle Calculations. Romain RÉOCREUX	812	Is ultrasound improving the reduction of nitro compounds catalyzed by Pd/C using a mixture of sodium hypophosphite and hypophosphorous acid as reducing agent? An investigation Micheline DRAYE	437	Continuous catalytic conversion of biomass derived reactant into functional molecules by using liquid phase flow-type reactor Naoki MIMURA	348	Functionalised Lignocellulosic Materials for Innovative Filter Technology Selin VITAS	421	New QSPR models to predict the amphiphilic properties of sugar based surfactants Guillaume FAYET	599	Polysaccharides as Innovative Renewable Raw Materials for the Development of Blue Surfactants Louise RENAULT	984	Vegan and organic cosmetic products submitted to sensory analysis Gisely VIEIRA	478	Determination of functional groups of industrial lignins as key indicators for their use as novel green ingredients Frédérique BERTAUD	960	Glyoxal Oxidases from Pycnoporus Cinnabarinus for Green Chemistry Applications Emmanuel BERTRAND
670	Diols from Cellulose in a One pot reaction: Tuning the Selectivity on Nickel-Zinc alloys Cornelis G. VAN DER WIJST	604	Valorization of light oxygenated compounds present in biomass-derived aqueous feedstocks using W-Nb mixed oxides as catalysts Marcelo E. DOMINE	1215	Value added intermediates of bio-derived 2,3-butanediol Jeni TOLAND		Gamma-Valerolactone as an effective biomass-derived solvent for cross-coupling reactions and C-H functionalization processes Luigi VACCARO	1010	Kinetic modeling of dehydrogenative coupling of alcohols using Ru-PNP complexes with influence of solubilized hydrogen Pascal FONGARLAND	979	Synthesis of oxygenated compounds from methane, carbon dioxide and water using non-thermal plasma Catherine BATIOU-DUPEYRAT	485	New biosourced hydrotropes: conception, synthesis and physico-chemical properties in highly saline medium Aurélien HERBINSKI	573	Sustainable synthesis of biobased degradable thermosets Audrey LLEVOT	622	A novel approach for the depolymerization of lignin Richa CHAUDHARY	1075	An innovative green extraction process for the development of native plant extracts Anne MANDEAU	727	Biocatalytic polymerization of lignin residues leading to bio-polymers with predictable structure and properties Madalina TUDORACHE	989	Enzymatic synthesis of glycomonomers for the production of complex macromolecular architectures David GUIEYSSE		

11:00 AM - 11:30 AM						05:00 PM - 06:00 PM					
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KN-2-1 (Room 1)		KN-2-2 (Room 4)		KN-2-3 (Room 5)		KN-2-4 (Room 2)		KN-2-5 (Room 3)		KN-2-6 (Auditorium)	
1395	Ionic liquids: Solvents for Sustainable Chemistry T. WELTON	(To be confirmed)		1383	The challenges of corporate citizenship: From Good Intentions to Concrete Deployment Focus on odor management and reduction V. BELLIERE-BACA	1386	Bio-sourced innovation, a challenge but an opportunity ! J. GUILBOT	1410	Innovation From Renewable Resources at L'Oréal: Expanding the Chemist's Toolbox Julien HITCE	1396	Catalytic transformations of amino acids to amines, nitriles or dicarboxylates, and of diols to dienes D. DE VOS

11:30 AM - 12:30 PM						05:00 PM - 06:00 PM					
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FC-3-1 (Auditorium)		FC-3-2 (Room 2)		FC-3-3 (Room 1)		FC-3-4 (Room 5)		FC-3-5 (Room 3)		FC-3-6 (Room 4)		FC-4-1 (Auditorium)		FC-4-2 (Room 2)		FC-4-3 (Room 1)		FC-4-4 (Room 3)		FC-4-5 (Room 4)		FC-4-6 (Room 5)	
169	Hexafluoroisopropanol as extraction solvent for HMF and furfural production with superior selectivity Ulf PRÜBE	188	Ru catalyzed hydrogenation-decarbonylation of amino acids to biobased primary amines Jasper VERDUYCKT	186	Shape-selective zeolite catalysis and high-performance renewable polyesters VANLEEUW Evelien	339	Fluorescent probes dynamics as an indicator of pretreatment efficiency : towards a predictive model of biomass enzymatic digestibility Mickaël HERBAUT	486	A Journey into amide and alkylamine synthesis from CO Tawfiq NASR ALLAH	124	Mixtures of polymers and cholinium-based ionic liquids to tailor the phase diagrams and extraction efficiency of aqueous biphasic systems Teresa B. V. DINIS	529	Oxidation of terpenic olefins in neat water by ruthenium nanoparticles Audrey DENI-COURT-NOWICKI	371	Effect of Fe content on hydrotalcite based Ni-Fe catalysts for synthetic natural gas production from CO ₂ Chalachew Mebrahtu ASMELASH	209	Aldolases in sustainable processes: exploration of their nucleophile substrate promiscuity Marielle LEMAIRE	520	Development of mild and selective oxidative Heck reaction to derivatize complex molecules and reactivity study of heteroarenes. Amrita DAS	598	Investigations of Thermophysical Properties of Ionic Liquids Used for Carbon Capture Shaochen HUANG		
513	Biotechnical and chemical conversion of xylose to 2,3-butanediol, furfural and maleic acid Ulf PRÜBE	279	Biphasic aqueous rhodium catalyzed hydroformylation promoted by fatty acid-modified cyclodextrins Sébastien TILLOY	729	Efficiency of the extreme downsizing of *BEA and MFI crystals on glycerol etherification with tert-butyl alcohol POUILLOUX Yannick	533	Continuous Flow Reaction Optimisation Using On-line Mass Spectrometry Christopher HORBACZEWSKYJ	498	Addition of carboxylic acids to double bonds of fatty acids and derivatives using acid heterogeneous catalysts Clara I. HERRERIAS	380	Natural deep eutectic solvents inspired in animals living in extreme environments: Characterization of physical and cytotoxicity properties. Vânia CASTRO	581	Ruthenium nanoparticles as pertinent catalysts for oxidation of terpenes in neat water Mariem RAUCHDI	459	Catalytic synthesis of cyclic carbonates from CO ₂ and renewable terpene-based epoxides: Batch to Continuous Abdul REHMAN	724	Highly effective hydrosilylation reactions catalysed by iridium (III) metallacycles in green conditions Francine AGBOSSOU	654	Analysis of thermal hazard of imidazolium ionic liquids: Variation of thermal stability under three-gas ambience Wei-Cheng LIN				
771	Furfuryl alcohol production by liquid phase catalytic transfer hydrogenation of furfural on alumina as Lewis acid catalyst Pedro MAIRELES-TORRES	292	Process intensification of the synthesis of glycerol carbonate under microwave irradiation or continuous-flow conditions Julien ESTAGER	918	Heterogeneously-acid catalyzed dehydration of light alcohols in gas phase over superacid Aquivion®PFSA Sara ANDREOLI	590	One step further in green processes : Synthesis of LipoAminoAcids without acyl chlorides Georges DA COSTA	629	Microwave-assisted synthesis of magnetically recoverable silver-iron oxide (Ag-Fe ₃ O ₄ @CMC) nanocatalysts for carbonyl compounds hydrogenation. Alain LI	406	Effect of natural deep eutectic solvents on cellulose crystallinity Maria Francisca MANO	706	New routes for the selective C-H hydroxylation of aliphatic compounds Michiel JANSSEN	481	Catalytic Synthesis of Carboxylic Acids from Alcohols using a combination of CO ₂ and H ₂ Matilde Valeria SOLMI	789	Palladium Catalyzed Synthesis of Conjugated Dienals Zoe HEARNE	791	Ionic Liquids as stabilizer solvents for L-asparaginase enzymes Agnes MAGRI				
883	FeVO ₄ as highly active catalyst for the gas-phase production of 2-methylfuran from furfural using H-transfer Lorenzo GRAZIA	344	Adding value to glycerol by combining chemo- and bio-catalysis: synthesis of aldehydes and amines from 1,3-propanediol via hydrogen transfer catalysed by highly recyclable Cp*Ir(NHC) catalysts. Fabio LORENZINI	1038	Synthesis and characterization of a hydrophobic heterogeneous acid catalyst over zirconia support for glycerol esterification Pei-San KONG	758	Multi-analytical approaches (SEM, FTIR, GC/MS) to characterize evolved gases and electrode materials after runaway reaction under inert atmosphere Yi-Hong CHUNG	593	About new bio-sourced solvents Jean-Pierre MBAKIDI	594	Novel aqueous biphasic systems composed of polyethylene glycol, polypropylene glycol and cholinium chloride and their extraction abilities Agnes MAGRI	723	Sustainable method for terpenes epoxidation with hydrogen peroxide under conventional heating and microwave irradiation Ana Maria LOPEZ FERNANDEZ	481	One-pot ester synthesis by copper-catalyzed carbon-carbon cross-coupling between arylsilanes and CO ₂ . Joelle CHAR	948	Continuous high-pressure CO ₂ and H ₂ evolution by the decomposition of formic acid Hajime KAWANAMI	1235	New non-fluorinated hydrophobic ionic liquids Leila MOURA				
915	Aldol Condensation of Furfural and Cyclohexanone: A Way to Produce Bio-Derived Components of Aviation Fuels Oleg KIKHTYANIN	649	New route for the production of Acrolein from a mixture of light alcohols: an In Situ X-ray Photoelectron Spectroscopy study Mickaël CAPRON	1292	Base-free aerobic oxidation of glucose to gluconic acid over Pt-Au/ZrO ₂ catalysts in batch and trickle-bed reactors Modibo MOUNGUEN-GUI-DIALLO	820	Experimental study on sorption enhanced steam methane reforming by Ni-CaO-mayenite combined materials. Claire COURSON	1002	Electrochemical reduction of CO ₂ in bio-sourced electrolytes Florent BOISSOU	594	Novel aqueous biphasic systems composed of polyethylene glycol, polypropylene glycol and cholinium chloride and their extraction abilities Agnes MAGRI	903	Epoxidation and carbonation of vegetable oils to valuable platform chemicals Adriana FREITES	623	Poly(ethylene glycol)s as grinding additives in the mechanochemical preparation of highly functionalized 3,5-disubstituted hydantoin Andrea MASCITTI	909	Morphology controlled palladium catalyst with zirconium oxide yolk-shell for direct synthesis of hydrogen peroxide Geun-Ho HAN	1429	Adding value to glycerol by combining chemo- and bio-catalysis: synthesis of aldehydes and amines from 1,3-propanediol via hydrogen transfer catalysed by highly recyclable Cp*Ir(NHC) catalysts. Fabio LORENZINI	554	Extractive Oxidative Desulfurisation with Polyoxometalate (POM)-Catalysts using Water as Extracting Agent Johannes CLAUßNITZER	1188	The impact of the structuring of hydrotropes in water on the mesoscale solubilisation of a third hydrophobic component Sebastian KRICKL

SCIENTIFIC
PROGRAM
Wednesday, May 17th

06:00 PM - 07:00 PM

OC-4-1 (Auditorium)	OC-4-2 (Room 2)	OC-4-3 (Room 1)	OC-4-4 (Room 3)	OC-4-5 (Room 4)	OC-4-6 (Room 5)
216 From CO ₂ -rich syngas to compression engine fuel alternate dimethyl ether over new bifunctional hybrid catalysts Timur DOGU	370 Hydrogenating the full scope of natural amino acids to the corresponding amino alcohols Annelies VANDEKERKHOVE	541 Glycerol and copper nanoparticles: an environmentally friendly catalytic solution Isabelle FAVIER	547 Glycerol ethers as green solvents: improved synthesis and ecotoxicity studies JOSE I. GARCIA	323 Bio-based polyester monomer Furandicarboxylic acid (FDCA) from sugars Juha LINNEKOSKI	115 Stimuli-Responsive Fracking Fluids for Reservoir Stimulation Carlos FERNANDEZ
419 Towards the Green Recycling of Automotive Catalysts with Vitamin C? Matthieu VIROT	775 Biocatalytic Formation of Industrial Nitriles from Biomass Elinor SCOTT	882 New bimetallic catalysts for green chemistry applications Jaroslaw POLANSKI	714 Enhancement on the biocatalytic synthesis of glycerol carbonate as green solvent of the future Madalina TUDORACHE	484 Engineering of fatty acid methyl esters towards bio-based polymers with original topologies Henri CRAMAIL	267 Micropollutants and Treatment Solutions by Oxidation Alexis METAIS
632 From waste water to chemical building blocks Harry BITTER	790 Catalytic decarboxylation of amino acids: from protein waste to bio-based amines, amides and carbamates Laurens CLAES	975 Aldol Condensations Over Reconstructed Mg-Al Hydrotalcites: The Relationship Between Physico-Chemical Properties and Catalytic Performance and the Peculiarities of Liquid-Phase Rehydration Method KIKHTYANIN Oleg	738 Solvo-surfactant properties of alkyl-glycerols and their application for a new water-born extraction process: the Hydrotropic Cloud Point Extraction (HCPE). Raphaël LEBEUF	505 Towards fully bio-based epoxy thermosets: From prepolymers synthesis to composite applications Camille FRANCOIS	413 Supercritical Fluid Synthesis to Support Sustainable Production of Engineered Nanomaterials: Case Study of Titanium Dioxide Nanoparticles Guido SONNEMANN