

## CONFERENCE PROGRAM

### MONDAY 3<sup>th</sup> JULY

12:00	Registration desk opens	
14:00 14:30	Opening of the Conference – Welcome Speech	<p><b>Véronique Nardello-Rataj</b> Formula XI Chairwoman</p> <p><b>Franck Dumeignil</b> Vice-President of the University of Lille</p> <p><b>Jordi Esquena</b> Chariman IAB</p>
<b>PLENARY LECTURE</b>		
14:30 15:30	Science driven formulation for sustainable & desirable cosmetic products	<p><b>Odile Sonnevile-Aubrun</b> L'Oréal R&amp;I, France – Advanced Research Physical-Chemistry &amp; Deposition Science / Science &amp; Process of Formulation</p>
<b>ORAL PRESENTATIONS</b>		
15:30 15:55	Accelerate the development of cosmetic ingredients thanks to sensory/in vivo correlated and predictive physicochemical characterizations	<p><b>Florian Laubé</b> Seppic Research &amp; Innovation Castres, France</p>
15:55 16:15	Formulation and applicability of fully and homogeneous topical Pickering emulsions, and description of the phenomena that occurred within the system	<p><b>Aurélie Asdrubal</b> University Le Havre Normandie URCOM UR 3221, Le Havre, France</p>
16:15 16:35	Hybrid systems combining hyaluronic acid and liposomes for local drug delivery: how liposome characteristics govern the microstructure and their release	<p><b>Florence Agnely</b> University Paris-Saclay, Institut Galien Paris-Saclay, Orsay, France</p>
<b>16:35-17:00 COFFEE BREAK</b>		
17:00 17:20	Water-in-water novel systems for the encapsulation of active components	<p><b>Jordi Esquena</b> IQAC-CSIC, CIBER-BBN Jordi Girona, Barcelona, Spain</p>
17:20 17:40	Gradient poly(2-oxazoline)s as a new class of biocompatible emulsifiers: Structure-property relationships and cosmetic application	<p><b>Valentin Bardoula</b> Ghent University, Ghent, Belgium University of Lille, France</p>
17:40 18:00	Methodology and preliminary steps to develop an innovative bioinspired cosmetic active ingredient	<p><b>Maria Vieytez</b> University Cote d'Azur, INC, Nice, France - University of Lille, France Shiseido Group, Ormes, France</p>
18:00 18:20	Theoretical and experimental approaches of extraction. Developing multiple solvents systems and deep eutectic solvents for the optimisation of extraction and solubilization of volatile or non-volatile compounds	<p><b>Nicolas Papaiconomou</b> University Côte d'Azur, INC Nice, France</p>

**KEYNOTE**

18:20  
18:50

**Sustainable, Nutritious, Plant based and/or Dairy?  
How Nestlé is addressing its future formulation  
challenges using advanced & traditional approaches**

**Tim J Wooster**  
Nestlé R&D, Lausanne, Switzerland

**19:00 – 20:30**

**POSTER SESSION AND WELCOME RECEPTION**

**TUESDAY 4<sup>th</sup> JULY**

**PLENARY LECTURE**

8:30 9:30	<b>Physicochemical control of foam and emulsion properties</b>	<b>Slavka Tcholakova</b> Faculty of Chemistry & Pharmacy, Sofia University, Bulgaria
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**KEYNOTE**

9:30 10:00	<b>Non-aqueous foams stabilized by crystalline particles: from design to applications</b>	<b>Anne-Laure Fameau</b> INRAE Nantes, France
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**ORAL PRESENTATIONS**

10:00 10:20	<b>Elaboration and characterization of capsules from the polymerization of Pickering emulsions stabilized by cellulose nanocrystals</b>	<b>Véronique Schmitt</b> CRPP, University Bordeaux Pessac, France
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**10:20 – 10:40  
COFFEE BREAK**

**ORAL PRESENTATIONS**

10:40 11:00	<b>Pickering emulsions stabilized by oppositely charged particles</b>	<b>Mathis Benyaya</b> University Claude Bernard Lyon 1, LAGEPP, Villeurbanne, France
11:00 11:20	<b>The mechanism of bilayer permeation of oil-soluble substances with bile salt</b>	<b>Oda Minaru</b> Faculty of Science and Technology, Tokyo University of Science Tokyo, Japan Lion corporation Tokyo, Japan
11:20 11:40	<b>Diclofenac recovery from aqueous solutions by emulsion liquid membranes</b>	<b>Adriana Corona Rodríguez</b> Universidad De Guanajuato, México
11:40 12:00	<b>Morphology controlled nanomaterials to navigate mucosal barriers</b>	<b>Kawthar Bouchemal</b> Chimie Paris Tech, University PSL Paris, France
12:00 12:20	<b>Exploring ageing, network stresses and gravitational stability in model suspension formulation systems</b>	<b>Rui Cheng</b> University of Bristol, Bristol, UK Bayer AG, Monheim, Germany

**12:30 – 14:00  
LUNCH**

**PLENARY LECTURE**

14:00 15:00	<b>Applications of the COSMO-RS and COSMOplex methods in formulation science</b>	<b>Andreas Klamt</b> Senior scientist fellow, Dassault Systems, Germany
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**ORAL PRESENTATIONS**

15:00 15:20	<b>Formulation optimisation assisted by AI-based optimisation algorithms</b>	<b>Thomas Galeandro-Diamant</b> DeepMatter, Lyon, France
15:20 15:40	<b>A novel hybrid artificial intelligence approach for optimizing the formulation of calcined clay cements</b>	<b>Yassine El Khessaimi</b> University of Limoges, Limoges, France

**15:40 – 16:00  
COFFEE BREAK**

ORAL PRESENTATIONS		
16:00 16:20	Immobilization of organic nuclear waste in Pickering emulsions: formulation and characterization	<b>Jordan Bassetti</b> University of Lille, UCCS, Lille, France CEA, Univ Montpellier, Marcoule
16:20 16:40	Sustainable Liquid-liquid extraction of metals using hydrotropes as extractants	<b>Thomas Zemb</b> Institut de Chimie Séparative de Marcoule, France
16:40 17:00	Characterization of aqueous two-phase systems for arsenic removal	<b>Guadalupe Falcón Millán</b>
17:00 17:20	Energy storage systems: Optimize formulation and fabrication	<b>Yassine Nagazi</b> Formulation, Toulouse, France
17:20 17:40	Replacing a PFAS surfactant for a biodegradable blend in a highly oxidative triiodide solution used for gold etching in semiconductor manufacturing	<b>Rogelio Gomez</b> Technic France Saint-Denis La Plaine, France
KEYNOTE		
17:45 18:15	Advanced Formulation from an industry perspective – trends and new strategies, methods, and tools to scope with new challenges	<b>Frank Runge</b> Vice President – Research Program Leader Advanced Formulation and Manager BASF SE, Germany
19:00 (Departure by bus) – 24:00 (Return to the Hotel) DINNER EVENT		

## CONFERENCE PROGRAM

### WEDNESDAY 5<sup>th</sup> JULY

PLENARY LECTURE		
8:30 9:30	Green high performance solvents and related formulations	<b>Werner Kunz</b> Regensburg University, Institute of Physical and Theoretical Chemistry, Regensburg, Germany
ORAL PRESENTATIONS		
9:30 9:50	Influence of low water content on the thermo-physical properties of deep eutectic solvent choline chloride-urea and its application to colloidal dispersions	<b>Véronique Peyre</b> Sorbonne University, Paris, France
9:50 10:10	The application of sustainable surfactant-free microemulsions as reaction solvents	<b>Evamaria Hofmann</b> Regensburg University, Institute of Physical and Theoretical Chemistry, Regensburg, Germany
10:10 – 10:40 COFFEE BREAK		
ORAL PRESENTATIONS		
10:40 11:00	Formulation of colloidal dispersions in ionic liquids for high temperature applications	<b>Emmanuelle Dubois</b> Sorbonne University, Paris, France
11:00 11:20	Synthesis of gold nanoparticles in microemulsion and nano-emulsion systems using aqueous leaf extract of <i>C. chayamansa</i> as reducing agent	<b>Rocio Paola Carillo-Gaytan</b> University of Guanajuato, Cerro de la Venada S/N, Pueblito de Rocha, Guanajuato, Mexico
11:20 11:40	New Generation Sustainable Polymers, Networks and Composites	<b>Baris Kumru</b> Faculty of Aerospace Engineering, Delft University of Technology, The Netherlands
11:40 12:10	Science-based formulation via webapps	<b>Sander Van Loon</b> VLCI, Amsterdam, Netherlands Van Loon Chemical Innovations B.V.
KEYNOTE		
12:15 12:45	Challenge to incorporate bio-oil into sustainable marine fuels by direct mixture with fossil fractions	<b>Barbara Heyberger</b> TotalEnergies Research Center Solaize, France
12:45 – 14:00 LUNCH		
SUCCESS STORY		
14:00 14:30	From cardanol to biobased polymers: a journey from lab to industry	<b>Sylvain Caillol</b> Research Director CNRS Montpellier, France
ORAL PRESENTATIONS		
14:30 14:50	Valorization of lignins as sustainable multifunctional ingredients for cosmetic formulations	<b>Caroline Hadjiefstathiou</b> University Le Havre Normandie IFF-Lucas Meyer Cosmetics AgroParisTech, INRAE Versailles, France

14:50 15:10	Preparation of robust carbon monoliths derived from phenolic resin for CO <sub>2</sub> separation	<b>José Moquera</b> Université de Technologie de Compiègne, ESCOM, Compiègne, France
15:10 15:30	Development of new lipopeptide green surfactants from silk sericin	<b>Alla Nesterenko</b> Université de Technologie de Compiègne, ESCOM, Compiègne, France
15:30 15:50	Formulating nanostructured soft particles from a technical-grade diglycerol surfactant	<b>Carlos Rodriguez-Abreu</b> IQAC-CSIC, Barcelona, Spain
<b>15:50 – 16:15 COFFEE BREAK</b>		
16:15 16:45	How Microbicidal efficacy of Chemical Disinfectant product are evaluated currently in European? What will be the next steps needed to adapt to new Sustainable challenges? General overview proposed	<b>Sophie Loeffert-Frémiot</b> Laboratoire Anios-Ecolab Sainghin-en-Mélantois, France
<b>KEYNOTES</b>		
16:45 17:15	Biostimulants, a new class of functional additives in Agro: formulation challenges and sustainability impact	<b>Jean-Christophe Castaing</b> Solvay, Aubervilliers, France
17:15 17:45	Suspension Concentrate crop protection formulation design and performance for low spray volume and UAS spray application	<b>Malcolm A. Faers</b> Bayer AG, Formulation Technology, Monheim, Germany

## CONFERENCE PROGRAM

### THURSDAY 6<sup>th</sup> JULY

PLENARY LECTURE		
8:30 9:30	Novel “Photoswitchable” Molecular Assemblies	<b>Hideki Sakai</b> Faculty of Science and Technology, Tokyo University of Science, Japan
ORAL PRESENTATIONS		
9:30 9:50	Hydrogels based on functional hyperbranched polyglycerols	<b>Jean-François Stumbé</b> University of Haute Alsace, France
9:50 10:10	Formulation of molecular hydro-organogels based on modified aminoacids. Effect of chemical structure on gelation kinetics and thermoreversibility	<b>Alain Durand</b> University de Lorraine, Nancy, France
10:10 – 10:30 COFFEE BREAK		
10:30 10:50	Formulation and characterization of thermosensitive Hydrogels based on Cellulose and Xyloglucan	<b>Géraldine Rangel</b> Bia INRAE Nantes Institut des Molécules et Matériaux du Mans France
10:50 11:10	Self-assembly behavior in systems containing alkyl imidodipropionate and glutamate diacetate	<b>Josmary Velásquez</b> Nouryon Surface Chemistry Stenungsund Sweden Chalmers University of Technology Göteborg, Sweden
11:10 11:30	Interactions at the interface of gelled-oil nanoparticles in water: from dispersions to colloidal hydrogels	<b>Bérénice Duret</b> University Le Havre, Normandie Le Havre, France
11:30 11:50	Formulating nematic “tissues” of weakly bound discotic aggregates of carboxylate extended surfactants	<b>Thomas Zemb</b> Institut de Chimie séparative de Marcoule, ICSM, France
KEYNOTE		
11:50 12:20	Choosing the Right Method to Measure Accurately the Optimum Formulation in SOW Systems: Comparison and Specific Applications	<b>Ronald Marquez and Jesús F. Ontiveros</b> University of Lille, UCCS, Lille, France North Carolina State University, Raleigh, USA
12:20 – 13:30 LUNCH		
SUCCESS STORY		
13:30 14:00	The chemistry of tomorrow after the ecological transition, make way for new models	<b>Olivier Choulet</b> Ecoat, Lyon, France
ORAL PRESENTATIONS		
14:00 14:20	NMR relaxometry: a tool to probe complex formulations	<b>Guillaume Mériguet</b> Sorbonne University, Paris, France

14:20 14:40	NMR kinetic monitoring of the cutting fluid organic waste's hydrolysis all along the immobilization in alkali-activated materials	<b>Christel Pierlot</b> University of Lille, France
14:40 15:00	Natural gums in complex formulations: molecular characterization by mass spectrometry	<b>Christian Rolando</b> University of Lille, France Lesaffre International, Marquette-Lez-Lille, France
15:00 15:20	Numerical prediction of long-term stability of liquid formulations determined by visual observation and Static Multiple Light Scattering	<b>Guillaume Lemahieu</b> Formulation, Toulouse, France
15:20 15:40	Thermal profiling with DWS to accelerate development from raw materials to finished	<b>Roland Ramsch</b> Formulation, Toulouse, France
15:40 16:00	Advanced Dynamic Light Scattering and its Applications to Life Sciences	<b>Coline Bretz</b> LS Instruments AG, Switzerland
16:00 16:20	Meeting the challenge of better understanding the interfacial behavior of ingredients	<b>Jean-Luc Bridot, Peggy Lechevalier,</b> TECLIS Scientific, France
<b>16:20 – 16:40 COFFEE BREAK</b>		
16:40 17:00	<b>Awards Ceremony and Conference closing</b>	