

PROGRAMME

14h30 – 14h40	France BAUMANS <i>Kit Quanta - Standardization kit for absolute protein quantitation: monitoring of methionine oxidation induced by liquid chromatography separation</i>
14h40 – 14h50	Jérémie CAPRASSE <i>Efficient moisture-sensitive shape-memory polymers for biomedical applications</i>
14h50 – 15h00	Nathan DAEM <i>Lead-free double perovskite materials for photovoltaic application</i>
15h00 – 15h10	Lena DUBOIS <i>Volatile profiling of pig cadavers on an outdoor decomposition facility</i>
15h10 – 15h20	Romaric GERARDY <i>Organocatalytic continuous flow strategies for the upgrading of biobased molecules</i>
15h20 – 16h20	<i>Session posters + pause-café</i>
16h20 – 16h30	Sandrine HUBERT <i>AFM-based Single-Molecule Force Spectroscopy on DNA:DNA and DNA:RNA Bimolecular G-quadruplexes</i>
16h30 – 16h40	Charlène NGASSAM <i>From CO₂ to regio-regular poly-oxocarbonates</i>
16h40 – 16h50	Pierre STIERNET <i>Design of macroporous poly(ionic liquid)s networks for catalysis applications</i>
16h50 – 17h00	Alexandre VERDIN <i>Development of SERS nanoprobcs for imaging of cancerous tumors in tissues</i>
17h00 – 17h10	Benedikt WEGGLER <i>Rapid screening of GC×GC-(EI)-ToF/MS data in biological matrices utilizing Kendrick Mass Defect Analysis</i>

POSTERS

	Nom	Titre	Auteurs
1	Baumans F.	<i>KIT QUANTA - standardization kit for absolute protein quantitation: monitoring of methionine oxidation induced by liquid chromatography separation</i>	F. Baumans, D. Baiwir, M. Colombo, C. Allain, V. Tavernier, B. Leroy, R. Wattiez, E. De Pauw, G. Eppe, G. Mazzucchelli
2	Berardo L.	<i>A spray-drying method for the dispersion of conductive carbon allotropes in Na₂FePO₄F cathode material for Li-ion batteries</i>	A. Mahmoud, S. Caes, M. Brisbois, R. P. Hermann, L. Berardo, N. Eshragi, A. Schrijnemakers, C. Malherbe, G. Eppe, R. Cloots, B. Vertruyen, F. Boschini
3	Bodart J.	<i>Synthesis of Na₂FePO₄F by spray-drying in order to optimise the composition and morphology for Na-ion batteries applications</i>	J. Bodart, D. Violle, A. Mahmoud, B. Vertruyen, F. Boschini
4	Bourguignon M.	<i>New perspective for Poly(hydroxyurethane) hydrogels synthesis in water at room temperature</i>	M. Bourguignon, J.-M. Thomassin, B. Grignard, C. Jérôme, C. Detrembleur
5	Brège A.	<i>The coupling of CO₂ with diols : a comparative study of metal-free dual activating systems to afford (a)cyclic carbonates</i>	A. Brège, R. Méreau, B. Grignard, C. Detrembleur, C. Jérôme and T. Tassaing
6	Burat B.	<i>MucoSweatOmics – proteomic, peptidomic metabolomic analysis of sweat and eccrine gland for new biomarkers of Cystic Fibrosis</i>	B. Burat, A. Reynaerts, T. Leal, G. Mazzucchelli
7	Caprasse J.	<i>Efficient moisture-sensitive shape-memory materials composed of supramolecular network of poly(ϵ-caprolactone) and poly(ethylene oxide)</i>	J. Caprasse, J.M. Thomassin, R. Riva, C. Jérôme
8	Caubergh S.	<i>Crystal chemistry and magnetism of Fe₂WO₆</i>	S. Caubergh, N. Matsubara, F. Damay, F. Fauth, P. Manuel, D. Khalyavin, A. Mahmoud, B. Vertruyen, C. Martin
9	Daem N.	<i>Photovoltaic application with Cs₂AgBiBr₆ double perovskite</i>	N. Daem, J. Dewalque, G. Spronck, A. Maho, P. Colson, C. Henrist, R. Cloots
10	Demaret L.	<i>Raman spectroscopy for robotic planetary exploration missions: Analytical methodology transfer from benchtop to miniaturised instruments</i>	L. Demaret, I.B. Hutchinson, G. Eppe, C. Malherbe
11	Di Giovanni N.	<i>Control and Interpretation of Untargeted Metabolomics Data</i>	N. Di Giovanni, M-A. Meuwis, E. Louis, J-F. Focant
12	Emmanuel N.	<i>Integrated continuous flow photoreactors: Photooxidation of sulfides with singlet oxygen</i>	N. Emmanuel, C. Mendoza, M. Winter, C. R. Horn, A. Vizza, C. Pàez, L. Dreesen, B. Heinrichs, J-C. Monbaliu
13	Emonds-Alt G.	<i>Integrated microfluidic device for in-line monitoring of glyphosate assisted by Surface Enhanced Raman Spectroscopy</i>	G. Emonds-Alt, H.T. Avohou, A. Kasemiire, C. Malherbe, J.C. Monbaliu, E. Ziemons, G. Eppe
14	Eshraghi N.	<i>Investigating the influence of carbon addition to spray-dried Na₃V₂(PO₄)₂F₃ as cathode material for sodium ion batteries</i>	N. Eshraghi, J. Bodart, B. Vertruyen, R. Cloots, C. Malherbe, H.M. Meyer III, J. Nanda, F. Boschini, A. Mahmoud
15	Fleron M.	<i>Proteomic characterization of decellularized liver-derived hydrogels</i>	M. Fléron, N. Alevra Sarika, V. Payen, A. Des Rieux, E. Sokal, E. De Pauw, G. Eppe, A. El Taghdouini, G. Mazzucchelli

16	Gérardy R.	<i>Organocatalytic continuous flow strategies for the upgrading of biobased molecules</i>	<u>R. Gérardy</u> , J.C. Monbaliu
17	Houbben M.	<i>Thermoreversible Diels-Alder cycloaddition as a convenient tool for the design of shape memory foams</i>	<u>M. Houbben</u> , C. Malherbe, J.-M. Thomassin, C.Jérôme
18	Hubert S.	<i>DNA:DNA and DNA:RNA bimolecular G-quadruplexes studied by AFM-based Single-Molecule Force Spectroscopy</i>	<u>S. Hubert</u> , V. Gabelica, A.-S. Duwez
19	Hustin J.	<i>Stools lipid profiling by HILIC LC-MS/MS</i>	<u>J. Hustin</u> , R. La Rocca, J. Far, D. Debois, E. De Pauw, G. Eppe, L. Quinton
20	Koutzarova T.	<i>Study of the structural and magnetic properties of co-substituted Ba₂Mg₂Fe₁₂O₂₂ hexaferrites synthesized by sonochemical co-precipitation</i>	<u>T. Koutzarova</u> , S. Kolev, K. Krezhov, B. Georgieva, D. Kovacheva, C. Ghelev, B. Vertruyen, F. Boschini, A. Mahmoud, L.M. Tran, A. Zaleski
21	Li X.	<i>Probing the Motion of a Single Molecular Rotor by AFM-based Force Spectroscopy</i>	<u>X. Li</u> , D. Sluysmans, A.S Duwez
22	Maho A.	<i>Ultrasonic spray coating of semiconducting and plasmonic materials for solar cells and smart windows applications</i>	<u>A. Maho</u> , J. Dewalque, N. Daem, A. Schrijnemakers, G. Spronck, P. Colson, R. Cloots
23	Manceriu L.	<i>The influence of electrolyte composition and photoanode porosity on the DSSC efficiency and stability</i>	A.K. Bharwal, L. Manceriu, F. Alloin, C. Iojoiu, T. Toupance, C. Henrist, R. Cloots
24	Mazars F.	<i>Caffeine and theophylline as NHC ligand precursors for second-generation ruthenium-alkylidene olefin metathesis catalysts</i>	<u>F. Mazars</u> , L. Delaude
25	McCann A.	<i>Computational chemistry and ion mobility – mass spectrometry at high resolving power suggest prototropism of cyclic lipopeptides</i>	<u>A. McCann</u> , C. Kune, J. Far, P. Massonnet, M. Ongena, L. Quinton, E. De Pauw
26	Nautiyal A.	<i>Probing ring motion along a polymer track at the single molecule level: AFM-based force spectroscopy</i>	<u>A. Nautiyal</u> , J. Malineni, C.-A. Fustin, A.-S. Duwez
27	Ngassam C.	<i>Catalysts for the selective synthesis of cyclic carbonates from CO₂ and propargylic alcohols</i>	<u>C. Ngassam</u> , B. Grignard, A. Brigmond, A. Brège, C. Jérôme, T. Tassaing, C. Detrembleur
28	Piffet C.	<i>Study of aqueous suspension properties for the preparation of flexible electrodes</i>	<u>C. Piffet</u> , F. Boschini, S. Caes, B. Vertruyen, J.-M. Thomassin, G. Broze, A. Corato, R. Cloots, A. Mahmoud
29	Roex E.	<i>Double emulsion as a tool to improve electrochemical performances of organopalladium complex in Li-ion batteries</i>	<u>Edith Roex</u> , Abdelfattah Mahmoud, Koffi Senam Etse, Albert Demonceau, Rudi Cloots, Frederic Boschini
30	Servais L.	<i>Contraceptive pills alter proteome of erythrocytes and induce redox damages</i>	<u>L. Servais</u> , C. Wouters, F. Baumans, D. Baiwir, I. Lobysheva, F. Dei Zotti, G. Eppe, J.-L. Balligand, G. Mazzucchelli
31	Sluysmans D.	<i>Probing the mechanochemical properties of a single molecular knot by AFM</i>	<u>D. Sluysmans</u> , L. Zhang, Y. Song, D.A. Leigh, A.-S. Duwez
32	Stiernet P.	<i>Synthesis of poly(α-amino amide)s via Ugi-three component reaction</i>	<u>P. Stiernet</u> , P. Lecomte, J. De Winter, A. Debuigne
33	Verdin A.	<i>Au@Ag nanoparticles as substrate for SERS and SALDI-MS multimodal imaging of cancerous tissues</i>	<u>A. Verdin</u> , C. Malherbe, V. Bertrand, E. De Pauw, G. Eppe