

Lundi 05 Septembre 2022**09h00 - 11h00 Ateliers de formation**

- Atelier 1 : Analyse de traces "au carrefour des méthodes analytiques de l'antidopage humain, des chevaux de courses et de sports et des animaux de production Salle 150
- Atelier 2 : Mobilité ionique cyclique de haute résolution pour l'analyse de carbohydrates complexes et d'anticorps monoclonaux thérapeutiques Salle 300
- Atelier 3 : Introductory course of isotopomics approach. Stable Isotope Analysis in plant and human research Salle B
- Atelier 4 : MALDI Mass Spectrometry Imaging Salle C

11h00 – 13h00 Réunion des Clubs Jeunes Salles 150 & 300**14h00 – 14h45 Cérémonie d'ouverture Audit. 800****14h45 – 16h45 Modérateurs : Patrick GIRAUDEAU, Marine LETERTRE Audit. 800****Prix de thèse des sociétés**

- 14h45 **Prix SFSM - Evolène DESLIGNIERE** - Développement d'approches de spectrométrie de masse native et de mobilité ionique de nouvelle génération pour la caractérisation de complexes multiprotéiques et protéines thérapeutiques
- 15h15 **Prix RFMF - Teo HEBRA** - Approche intégrative du métabolisme spécialisé des micro-organismes associés aux termites de Guyane française
- 15h45 **Prix AfSep - Amarande MURISIER** - Towards a simple on-line coupling of ion exchange chromatography and native mass spectrometry for the detailed characterization of monoclonal antibodies
- 16h15 **Prix FPS - Dusan ZIVKOVIC** - Mass spectrometry - Swiss Army knife to dissect the spermatoproteasome structure and function

16h45 Pause-café Grande Halle + R0**17h30 – 19h00 CONFERENCES PLENIERES Audit. 800**

- 17h30 Modérateurs : Patrick GIRAUDEAU, Marine LETERTRE
Daniel RAFTERY - How to harness quantitative metabolomics and machine learning to help solve the biomarker validation challenge PL1
- 18h15 Modérateurs : Isabelle FOURNIER, Bastien ARNAUD
Simona FRANCESE - Fighting crime with lasers PL2

19h15 Cocktail de bienvenue Grande Halle + R0**Mardi 06 Septembre 2022****08h30 – 09h15 CONFERENCE PLENIERE Audit. 800**

- 08h30 Modérateurs : Christine CARAPITO, Marie CHION
Olga VITEK - Statistical methods and tools for proteomics and imaging mass spectrometry PL3

09h15 – 09h40 Modérateurs : Hélène ROGNIAUX, Cécilia BERGES Audit. 800**Flash Poster 1**

- 09h15 **Florian DUBOCQ** - « Phytocuisson » project: Determination of degradation products from active substances commercialized in Europe during thermal processing FL1
- 09h18 **Mehdi CHERKAOUI** - A structural analysis of heated ovalbumin by crosslink proteomics assisted by Open Mass Search algorithms FL2

09h21	Emilie BERTRAND - How the gaseous ions temperature is lowered in Cold-Spray Ionization with regards to the Electrospray Ionization source?	FL4
09h24	Justine PINETRE - High throughput detection of biotherapeutics in equine plasma by liquid-chromatography linked to high resolution mass spectrometry for equine doping controls	FL5
09h27	Gioele VISCONTI - Une nouvelle approche d'étalonnage interne pour le suivi par LC-MS/MS des concentrations de métabolites liés à l'insuffisance rénale chronique	FL6
09h30	Eva PEYRACHE - Fast and accurate characterization of extended-spectrum beta-lactamases (ESBL) - producing Enterobacteriaceae in positive blood culture by RPLC-MS/MS proteomics and prior-Sample Addition of Ion-Pairing Reagent	FL7
09h33	Clément CAFFARATTI - Metabolic engineering of the probiotic Escherichia coli Nissle 1917 to enhance immunometabolite production	FL8

09h45 – 10h45 SESSION PARALLELE

PS1 - Multi-method analyses (1)

Audit. 800

Modérateurs : Fabien CHIROT, Amandine ROCHER

09h45	Victor RIBAY - Hyperpolarized ¹³ C NMR of biofluids at natural abundance	OL1
10h00	Landry BLANC - Coupling Mass Spectrometry Imaging with Immunofluorescence for Molecular and Cellular Histology of Complex Microenvironment	OL2
10h15	Michel SALZET - From tumour heterogeneity in glioblastoma to precision therapy	OL3
10h30	Corinne BURÉ - Characterization of Isomers of Lipid A from Pseudomonas aeruginosa PAO1 by Liquid Chromatography coupled to Tandem Mass Spectrometry combining Higher-Energy Collisional Dissociation and Ultraviolet Photodissociation	OL4

PS2 - Structural analysis – Interactions

Salle 300

Modérateurs : Delphine PFLIEGER, Arnaud PHILIPPART

9h45	Kamel BACHIRI - Identification of Merkel Cell Polyomavirus oncogenic interactions	OL5
10h00	Jean-Yves SALPIN - Interactions of carboplatin and oxaliplatin with adenine and guanine in the gas phase: a combined experimental and theoretical study	OL6
10h15	Franck VANDERMOERE - Nanobody-based APMS analysis of endogenous metabotropic glutamate receptor 2 interactome from mice brain	OL7
10h30	Anne GONZALEZ DE PEREDO - From ligand affinity to signal potency: phospho-regulations and protein-protein interactions underlying early antigen discrimination by the T-cell receptor	OL8

PS3 - Bioinformatics - Data treatment

Salle 150

Modérateurs : Christine CARAPITO, Marie CHION

9h45	Emmanuelle MEUDEC - LC-HRMS data analysis of natural polymer homologue series. Application on wine neutral oligosaccharides	OL9
10h00	Julien MAILLARD - Prediction of structures related to complex organic matter with flexible alkyl chains using ion mobility-mass spectrometry	OL10
10h15	Nicolas ESKENAZI - Machine-learning identification of N-glycoproteoforms using MS/MS oxonium-fragments signatures	OL11
10h30	Loïc LE GREGAM - An Automated workflow for ¹³ C flux calculation	OL12

10h45	Pause-café	Grande Halle + R0
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11h30 – 12h15	CONFERENCE PLENIERE	Audit. 800
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11h30	Modérateurs : Davy GUILLARME, Aurore MICHAUD Govert SOMSEN - Addressing dimensionalities of biopharmaceuticals with multidimensional analytics	PL4
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12h15	Flash exposants: Covaris, Preomics, Sciex, Waters	Audit 800
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12h45	Repas - Séminaires constructeurs	Grande Halle + R0
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12h45	Société Thermo Fisher Scientific	Salle 300
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13h30	Société Agilent	Salle 150
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14h15 – 15h15	Session Posters, numéros PAIRS	Grande Halle + R0
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15h15 – 16h30	SESSION PARALLELE JEUNES	
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	PS4 - Technical advances	Audit 800
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Modérateurs : Floriant BELLVERT, Jérémy MOLINEAU

15h15	Ian RAMTANON - A Combined Liquid Chromatography - Trapped-Ion-Mobility - Tandem High-Resolution Mass Spectrometry and Chemometrics Approach for the Determination of Discriminant Biomass Constituents	OL13
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15h30	Ting CHEN - Modern tools in chemical food safety using mass spectrometry data and molecular networking: revisiting steroid metabolism	OL14
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15h45	Sabrina FERRÉ - Enantioseparation and quantification of amino acids with chiral capillary-electrophoresis mass spectrometry	OL15
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16h00	Fanny GIGNAC - Development of aptamer-based supports for cadmium ion extraction of complex samples	OL16
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16h15	Delphine NEGRE - Genome Scale Metabolic Network Reconstruction, a model for specialised metabolites detection? Illustration on the filamentous fungus model <i>Penicillium chrysogenum</i>	OL17
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	PS5 - Health and illness	Salle 300
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Modérateurs : Christophe JUNOT, Mathieu SCHOUMACHER

15h15	Jérémy FRAERING - Blood and plasma proteomic characterization of Host-Parasite interactions in severe pediatric malaria context	OL18
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15h30	Maryne LEPOITTEVIN - A metabolomics-based donor organ quality analysis to predict kidney graft outcome	OL19
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15h45	Vincent MARIE - Development of an automated MS/MS method on an Orbitrap Fusion for exhaustive lipidomic analysis of human plasma	OL20
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16h00	Léa LEDOUX - Révélation de profils lipidiques spécifiques du cancer œsogastrique par imagerie MALDI-MS et SpiderMass	OL21
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16h15	Charlotte BRUN - A comprehensive quantitative phosphoproteomics workflow adapted to muscle tissue and its application to the study of bear hibernation	OL22
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PS6 - Natural products and environment

Salle 150

Modérateurs : Samuel BERTRAND, Wafa HECHICHE

- 15h15 **Lucie ARBERET** - Purification and characterisation of the purple colourant from *Justicia spicigera* OL23
- 15h30 **Thomas BRUNET** - Study of the reproductive cycle of the sentinel species *Gammarus fossarum* by a targeted LC-MS/MS multi-omics approach combined with data integration by multivariate statistical analysis OL24
- 15h45 **Alexandre GONZALEZ** - Analysis of the Volatile Organic Compounds of *Tillandsia* flowers by HS-SPME/GC-MS OL25
- 16h00 **Téo FERREUX** - Analyse de contaminants émergents dans la rivière Taragete (Oruro, Bolivie) : développement d'un workflow pour l'analyse ciblée et non-ciblée OL26
- 16h15 **Gabriel GAIFFE** - Biogéochimie moléculaire de la matière organique naturelle dans l'aquifère Crétacé de la craie Champenoise OL27

16h30 Pause-café

Grande Halle + R0

17h15 – 18h45 SESSION PARALLELE**PS7 - Omics signatures of human diseases**

Audit. 800

Modérateurs : Christophe JUNOT, Chloé CLOTEAU

- 17h15 **Hervé GUILLOU** - Lipid metabolism in non alcoholic fatty liver diseases
Keynote Lecture KL1
- 17h45 **Sylvain DECHAUMET** - Stratification of cirrhotic patients with stable or unstable decompensation by multi-matrix metabolomics and optimized data processing OL28
- 18h00 **Pascal DE TULLIO** - From case-control study to longitudinal patient's follow-up using NMR-based metabolomics: back to the "real-life" of clinics. The case of neovascular Age-related Macular Degeneration (nAMD) OL29
- 18h15 **Camille MENACEUR** - Altered protein pattern of human brain pericyte-derived small extracellular vesicles after treatment with pro-inflammatory cytokines OL30
- 18h30 **Marion BRANDOLINI-BUNLON** - Input of sequential and orthogonalized partial least squares regression method in the exploration of metabolic syndrome OL31

PS8 - Multi-dimensional separation

Salle 300

Modérateurs : Valérie PICHON, Julie GUILLEMANT

- 17h15 **Ludovic BAILLY-CHOURIBERRY** - Example of three different innovative analytical chemistry based strategies in the fight against doping in horseracing
Keynote Lecture KL2
- 17h45 **Carla ORLANDI** - Metabolomics analysis of plasma with an extended coverage using a two-dimensional liquid chromatography mass spectrometry OL32
- 18h00 **Michel SABLIER** - Benefits of the use of pyrolysis-GCxGC/MS for the analysis of archaeological lacquer samples: Insights from the lacquer crafting of the Ba group through the analysis of a lacquer scabbard excavated from Lijiaba site (Chongqing, southwest China) OL33
- 18h15 **Jason DEVAUX** - Complementarity of RPLC x SFC-HRMS and SFC-FTICR for the characterization of third generation bio-oils OL34
- 18h30 **Jérémy MOLINEAU** - Analyses complémentaires en UC-MS et RPLC-MS de petits peptides pharmaceutiques OL35

PS9 - Structural analysis - modifications (1)**Salle 150**

Modérateurs : Franck VANDERMOERE, Charlotte BRUN

- 17h15 **Fabrice BRAY** - Proteomics and high resolution mass spectrometry for the dating and isotopic ratio of archaeological and paleontological bones KL3
Keynote Lecture
- 17h45 **Vaclav KRUPICKA** - Top-Down MS: the next frontier in MS proteomic analysis of cultural heritage samples? OL36
- 18h00 **Joanna BONS** - Assessing Protein Malonylation and Succinylation Remodeling by Sirtuin-5 in Mouse Brain using Library-free Data-Independent Acquisition OL37
- 18h15 **Marie GEBELIN** - Multi-omic approach for discovery of amyotrophic lateral sclerosis' biomarker: the input of mass spectrometry proteomics & phosphoproteomics OL38
- 18h30 **Marion GIROD** - Relative quantification of sulfenic acids in plasma proteins using differential labelling and mass spectrometry coupled with 473 nm photo-dissociation analysis: a multiplexed approach applied to an Alzheimer's disease cohort OL39

18h45-19h15 Pause conviviale Grande Halle + R019h15-20h15 Assemblées générales des Sociétés Audit. 800 + Salle 300 + Salle 150**Mercredi 07 Septembre 2022****08h30 – 09h15 CONFERENCE PLENIERE** **Audit. 800**

- 08h30 Modérateurs : Julia CHAMOT-ROOKE, Tristan CARDON
Kathryn LILLEY - The spatial organisation of the transcriptome and proteome PL5

09h15 – 09h40 Modérateurs : Hélène ROGNIAUX, Cécilia BERGES **Audit. 800**
Flash Poster 2

- 09h15 **Ines LE MAO** - 1H-NMR metabolomics at wine service from traceability to tipicity FL9
- 09h18 **Anaïs GEORGE** - Calibrant-corrected database for uniformized and comparable lipid collision cross sections values by traveling wave ion mobility spectrometry FL10
- 09h21 **Solène MOTTEAU** - Développement d'une stratégie de préparation d'échantillon non sélective en vue de la détermination non-ciblée (suspect et non-targeted screening) de marqueurs d'exposition chimique présents dans le poisson et le lait FL11
- 09h24 **Marine COSSET** - Photolabelling coupled to mass spectrometry to investigate cell-penetrating peptides interactions with lipid membranes: a methodological study FL12
- 09h27 **Cécile BOUGHANEM** - Optimisation d'une méthode de traitement de l'échantillon par micro-extraction liquide-liquide pour l'analyse des HAP dans les fluides biologiques FL13
- 09h30 **Ayoub BOULGHOBRA** - Electrospray ionization enhancement using phosphate FL14
- 09h33 **Maryam ABOUTIMAN** - Comparison of histidine phosphorylation protocols in eukaryotes FL15
- 09h36 **Charles TARDIF** - Mise en évidence de métabolites antifongiques présents dans des co-produits de la vigne par une approche de métabolomique non-ciblée FL16

09h45 – 10h45 **SESSION PARALLELE****PS10 - Multi-omic analyses****Audit. 800**

Modérateurs : Justine BERTRAND-MICHEL, Marie GEBELIN

- 9h45 **Charlotte BRUN** - Proteomics and metabolomics reveal how behaviour and age influence the physiology of ants OL40
- 10h00 **Jean-Charles MARTIN** - Metabolomics and lipidomics at the top: Characterizing hypoxic responses of dwellers living permanently in La Rinconnada, the highest city of the world (5100m) OL41
- 10h15 **Thibaut LEGER** - Multi-omics revealed effects and fate of the mitochondrial complex I inhibitor tebufenpyrad in liver cells OL42
- 10h30 **Chiara GUERRERA** - The power of diaPASEF in the evaluation of senescence induction and modulation OL43

PS11 - Structural analysis - modifications (2)**Salle 300**

Modérateurs : David ROPARTZ, Matthieu RANZ

- 9h45 **Sumeyye CAVDARLI** - Metabolic glycoengineering to investigate the role of alternative proteins in breast cancer OL44
- 10h00 **Nathalie DELAUNAY** - Evaluation of affinity-based sorbents and development of liquid chromatography - high resolution mass spectrometry for the characterization of a glycoprotein, the human chorionic gonadotropin, at the intact scale OL45
- 10h15 **Clarisse GOSSET** - Two new search engines enabling the identification and localization of RNA post-transcriptional modifications from CE-MS/MS analyses OL46
- 10h30 **Aurore ATTINA** - Towards next-generation biomarker: Multivariate analysis of RNA chemical marks by LC-MS/MS translates cell state OL47

PS12 - Bioinformatics - Signal processing**Salle 150**

Modérateurs : Yann GUITTON, Loïc LEGREGAM

- 9h45 **Clément TRUAN** - Les algorithmes génétiques au service de l'alignement de données chromatographiques OL48
- 10h00 **Elena TOBOLKINA** - L'électrophorèse capillaire couplée à la spectrométrie de masse comme méthode de choix pour l'analyse des métabolites cellulaires OL49
- 10h15 **Antoine BUREL** - Targeted polymer characterization and species quantification using fast signal processing approaches in RPLC-ESI-MS OL50
- 10h30 **Sébastien HUTINET** - SPRING : a new application to process efficiently and quickly Suspect Screening experiments ! OL51

10h45

Pause-café

Grande Halle + R0

11h30 – 12h15 **CONFERENCE PLENIERE****Audit. 800**

11h30 Modérateurs : Valérie PICHON, Hikmat GHOSSON

Jean-François FOCANT - Exploring Volatolomes with GC×GC-TOFMS PL6**12h15 – 12h45** **Prix scientifique des sociétés****Audit. 800**

12h15 Prix scientifique du Réseau Français de Métabolomique et Fluxomique

12h45	Repas - Séminaires constructeurs	Grande Halle + R0
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12h45	Société Magritek	Salle 150
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13h30	Société Bruker	Salle 300
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14h15	Session Posters, numéros IMPAIRS	Grande Halle + R0
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15h15 – 16h00	CONFERENCE PLENIERE	Audit. 800
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15h15	Modérateurs : Fabien CHIROT, Simon OLLIVIER Christophe MASSELON - Nano-resonator MS : going uncharged !	PL7
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16h00	Pause-café	Grande Halle + R0
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16h30 – 18h00	SESSION PARALLELE	
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PS13 - FOOD: from processes to safety and health	Audit. 800
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Modérateurs : Laurent DEBRAUWER, Mehdi CHERKAOUI

16h30	Alejandro CIFUENTES - Alzheimer disease & Foodomics: Welcome to Far Far Away <i>Keynote Lecture</i>	KL4
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17h00	Christophe FLAHAUT - PeptidoMILK: an academic/industrial collaboration story through the "All in Pep labcom" and the ProteinoPepS industrial chair	OL52
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17h15	Marie COURREGELONGUE - Impact of cooperage process on oak wood (Q. sp.) volatilome using untargeted GCxGC-ToFMS analysis	OL53
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17h30	Mickael LE BECHEC - Traceability and genuineness of agro-food products with SIFT-MS untargeted analysis of Volatile Organic Compounds	OL54
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17h45	Nina AVEILLA - Optimization of Top-down mass spectrometry conditions for the detection of four staphylococcal enterotoxin A variants at the low ng/mL level	OL55
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PS14 - HEALTH – Infectiologie	Salle 300
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Modérateurs : Julia CHAMOT-ROOKE, Corentin BEAUMAL

16h30	Maud GREGSON - Direct and rapid identification of sepsis causative micro-organisms from blood cultures using SCOUT-MRM proteomics assay <i>Keynote Lecture</i>	KL5
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17h00	Magalie DUCHATEAU - Proteomics analysis of purified infectious SARS-CoV-2 virus particles	OL56
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17h15	Clément LOZANO - Mass spectrometry detection of Monkeypox virus: a comprehensive coverage by DIA mode for ranking the most responsive peptide markers	OL57
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17h30	Julie HARDOUIN - Characterization and impact of lysine acetylation in <i>Acinetobacter baumannii</i>	OL58
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17h45	Caroline PLAZY - Immuno-Metabolite discovery: study of metabolic adaptation of <i>Pseudomonas aeruginosa</i> in Cystic Fibrosis (CF) patients	OL59
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PS15 - Structural analysis - Native MS**Salle 150**

Modérateurs : Sarah CIANFERANI, Hugo GIZARDIN

- 16h30 **Kathrin BREUKER** - Exploring RNA-ligand interactions with native mass spectrometry
Keynote Lecture KL6
- 17h00 **Edison ZHAMUNGUI** - Structural biology of membrane proteins and their complexes using Native Liquid MALDI (NALIM) Mass Spectrometry (MS) OL60
- 17h15 **Marie LEY** - Deciphering structure-function relationship of loss-of-function PPAR γ mutants involved in bladder cancer using native MS and H/D exchange mass spectrometry OL61
- 17h30 **Cécile TARDIF** - Forced degradations of mAbs prior to patient administration: implications on routine hospital quality control OL62
- 17h45 **Angelique DAFUN** - Unravelling the proteoform footprint of proteasome using top-down mass spectrometry OL63

20h00-23h00

Repas de Gala – Les machines de l'île

Jeudi 08 Septembre 2022**09h00 – 10h15 SESSION PARALLELE****PS16 - Technical advances in separation sciences****Audit. 800**

Modérateurs : Davy GUILLARME, Jérémy MOLINEAU

- 9h00 **Valentina D'ATRI** - The importance of being bioinert: the critical choice of column hardware for the characterization of monoclonal antibody size variants by direct SEC-MS
Keynote Lecture KL7
- 09h30 **Honorine LARDEUX** - Stratégies analytiques pour améliorer la sensibilité et la sélectivité des séparations d'oligonucléotides en chromatographie liquide OL64
- 09h45 **Chloé CLOTEAU** - From a non-targeted metabolomics approach to a targeted biomarker strategy to highlight the use of forbidden drugs OL65
- 10h00 **Tessa REINERT** - Absolute quantification and structural characterization of infliximab in patients with Crohn diseases using CE-MS/MS OL66

PS17 - Exposomics**Salle 300**

Modérateurs : Bruno LE BIZEC, Hikmat GHOSSON

- 9h00 **Raphaël DELÉPÉE** - Adductomics: How DNA adducts can be useful tools from toxicology to exposome determination
Keynote Lecture KL8
- 09h30 **Julien PARINET** - AlimOmic - The high-resolution mass spectrometry to enlight the external exposome and to enhance food safety OL67
- 09h45 **Justine FERREY** - How TIMS TOF flex Mass Spectrometry imaging can be revealed as a powerful technique for studying the impact of red meat consumption in the colonic epithelium: a study in F344 rats OL68
- 10h00 **Jade CHAKER** - XenoScreener: an efficient MS1-based suspect screening software for HRMS-based human biomonitoring and exposomics applications OL69

PS18 - Plant bioactive compounds and environment

Salle 150

Modérateurs : David TOUBOUL, Tarek MOUFAWAD

- 9h00 **Emilie DESTANDAU** - Ecoextraction and metabolomic approaches for the characterization of natural compounds KL9
Keynote Lecture
- 09h30 **Asma BOURAFI AZIEZ** - 1H NMR spectroscopy and chemometric tools to check the conformity of Equiseti Herba according to the European Pharmacopoeia OL70
- 09h45 **Christian ESPINOZA ROMERO** - Development of a novel UHPLC-HRMS-based Untargeted Metabolomics approach for early diagnosis of incurable sharka disease: a pilot study OL71
- 10h00 **Claire VILLETTE** - Insights into the localization of xenobiotics metabolization in plant tissues using mass spectrometry imaging (MSI) OL72

10h15 Pause-café Grande Halle + R0**11h00 – 11h45 CONFERENCE PLENIERE** Audit 800

- 11h00 Modérateurs : Bruno LE BIZEC, Hikmat GHOSSON
Gary W MILLER - Exposomics: the systematic analysis of the environmental drivers of disease PL8

11h45 – 12h15 Prix scientifique des sociétés Audit. 800

- 11h45 Prix scientifique de la French Proteomics Society

12h15 Repas Grande Halle + R0**13h15 – 14h00 CONFERENCE PLENIERE** Audit. 800

- 14h00 Modérateurs : Carlos AFONSO, Simon OLLIVIER
Valérie GABELICA - Mass spectrometry of nucleic acids: what can we learn on solution structures from gas-phase experiments PL9

14h00 – 14h30 Prix scientifique des sociétés Audit. 800

- 14h00 Prix scientifique de l'Association Francophone des Sciences Séparatives

14h30 – 14h45 Remise des prix « Posters » et « Flash » Audit. 800**14h45 – 16h00 SESSION PARALLELE****PS19 - Multi-method analyses (2)**

Audit. 800

Modérateurs : Carlos AFONSO, Simon OLLIVIER

- 14h45 **Corentine GOOSSENS** - NMR and MS profiling of three dominant corals in the Pacific Ocean : identification of coral bleaching biomarkers OL73
- 15h00 **Sébastien VOISIN** - Exploring The Molecular Impact Of Biotic And Abiotic Stressors On Bee Health Through MALDI Beotyping®, Label-Free Proteomics And MALDI-Imaging OL74
- 15h15 **Marceau LEVASSEUR** - Characterization of the chemical diversity of Sextonia rubra fruits by MALDI-CASI-FT-ICR imaging and molecular networks OL75
- 15h30 **Christelle PARCHEMIN** - Development of a Combined Metabolomics Approach to Explore Metabolite Variations of two Algae of the Genus Asparagopsis Linked to Interspecific, Spatial and Seasonal Factors OL76
- 15h45 **Essyllt LOUARN** - A la recherche de l'identification individuelle dans un mélange complexe d'aromatiques : Enquête et combinaison de méthodes OL77

PS20 - Technical advances in sample preparation**Salle 300**

Modérateurs : Pascal CARDINAEL, Fanny GIGNAC

- 14h45 **Ngoc-Van-Thanh NGUYEN** - 2D in-line enrichment with solid phase extraction on circulating magnetic beads and electrokinetic preconcentration: a new concept and instrumentation for dsDNA analysis by capillary electrophoresis **OL78**
- 15h00 **Lucas LECORGNE** - Purification des protéines membranaires en microfluidique **OL79**
- 15h15 **Ranjith Kumar RAVI KUMAR** - Novel microfluidic device for metaproteomics sample preparation **OL80**
- 15h30 **Julie STÉVENIN** - Application of coupling between capillary electrophoresis and mass spectrometry for precise isotope ratio measurements **OL81**
- 15h45 **Bastien RACCARY** - L'analyse du cycle de vie appliquée à la chimie analytique : poser les bonnes questions et savoir y répondre **OL82**

PS21 - Technical advances in MSI**Salle 150**

Modérateurs : Isabelle FOURNIER, Bastien ARNAUD

- 14h45 **Aline Cournut** - Développement d'une approche SALDI-MS pour la détection spécifique de biomarqueurs de la maladie d'Alzheimer **OL83**
- 15h00 **Michael TUCK** - Multidrug Quantification by MALDI-MSI **OL84**
- 15h15 **Marisa MAIA** - The quest for phytoalexin response and location by MALDI-MSI during grapevine-pathogen interactions **OL85**
- 15h30 **Florent GRÉLARD** - Méthodes informatiques pour la mise en corrélation d'images de spectrométrie de masse et d'immunofluorescence **OL86**
- 15h45 **Lucas ROUSSEL** - Spidermass: a novel tool for immune score for patient prognosis in ovarian cancer **OL87**

16h00**Cérémonie de clôture****Audit. 800**