



FJC 2022

Oraux

JEUDI 16 JUIN 2022

**SESSION 1 : MALADIES ET GÉNÉTIQUE –
AMPHI AMPERE - 9H30 A 11H**

Mutli-omics exploration of transcriptional defects related to genome structural variations in rare developmental diseases

- Aymeric MASSON

Study of the complete mitochondrial genome of *Echinococcus multilocularis* from French alveolar echinococcosis patients

- Severine LALLEMA

PRMT2: an anti-inflammatory epigenetic factor involved in acute myeloid leukemia aggressiveness

- Camille SAUTER

Disruption of peroxisomal beta-oxidation in microglia alters the survival and morphology of differentiated neurons, an insight to the pathophysiology of X-linked Adrenoleukodystrophy

- Ali TAWBEH

Involvement of gene PA3722 in the resistance of *Pseudomonas aeruginosa* to toxic compounds

- Eline DUBOIS

Fin de cette session à 11h00

**SESSION 1 : GÉOLOGIE ET BOTANIQUE
– AMPHI ORBIGNY – 9H30 A 11H**

Soil organic carbon storage capacity of old and modern wheat varieties

- Laly ROUCH

Effect of changing forest management on organic carbon stocks and Q10 parameter in a beech forest in the East of France

- Clément BONNEFOY-CLAUDET

Role of nitric oxide synthases from *Klebsormidium nitens*: Structural characterization and identification of protein partners

- Pauline CHATELAIN

Two grapevine immune receptors discriminate structurally close chitooligosaccharides

- Thibault ROUDAIRE

Phosphodiesterase 5 inhibition and vasorelaxant effects of *Nymphaea pubescens* petals extract and its main compound

- Teerapap PANKLAI

Fin de cette session à 11h00

SESSION 1 : NUTRITION ET ALIMENTATION – SALLE R3 – 9H30 A 11H

Nutritional quality and greenhouse gas emissions of vegetarian and non-vegetarian school meals: a case study in France (Dijon)

- Justine DAHMANI

What about sustainability of university students' dietary habits? A literature review of students' food practices

- Laura ARRAZAT

Development of an intelligent packaging to monitor food degradation and reduce food waste

- Laura CARBALLIDO

Non-intentionally added substances from food contact coating extracts and safety assessment

- Ruzanna HAYRAPETYAN

Development of a method to screen lactic acid bacteria beta-glucosidases involved in the presence of volatile compounds of fermented vegetables

- Socheata MAO

Fin de cette session à 11h00

SESSION 2 : PNEUMOLOGIE ET CARDIOLOGIE – AMPHI AMPERE – 11H20 A 12H50

Activity of murepavadin and resistance mechanisms in cystic fibrosis *Pseudomonas aeruginosa* strains

- Aya GHASSANI

NCI-41356, a promising small inhibitor of HSPB5 in idiopathic pulmonary fibrosis?

- Julie TANGUY

Lipid metabolism as a therapeutic target in pulmonary fibrosis

- Sabrina LORIOD

Long-term impact of postnatal overfeeding on cardio-metabolism risk and on sensitivity to ischemia-reperfusion injury in vivo

- Eve RIGAL

Evaluation of left ventricular function following myocardial infarction in adult postnatally overfed mice

- Marie JOSSE

Fin de cette session à 12h50

**SESSION 2 : NEUROBIOLOGIE – AMPHI
ORBIGNY – 11H20 A 12H50**

**Microglia, a new player in the control of
satiety**

- Juliette SALVI

**Exploration of CYP27A1 function in eye
cholesterol signaling between glia and
neurons in *Drosophila***

- Jeanne URBAN

**Neuroanatomical studies identify Vacuolar
Protein Sorting 13 homolog B as an important
regulator of brain architecture and
hippocampal formation**

- Charlotte MONTILLOT

**Pheromonal “Proust's madeleine” in
Drosophila melanogaster: cVA imprinting
impact on adult neural and behavioral
development**

- Vincent TOLASSY

**Role of MINIDISCS, an amino-acid transporter,
on glutamatergic activity in *Drosophila
melanogaster* mushroom bodies, and its
impact on behaviour**

- Julie DELESCLUSE

Fin de cette session à 12H50

**SESSION 2 : DIVERS 1 – SALLE R3
– 11H20 A 13H10**

**Sperm function and morphology in young
and old North African houbara bustards**

- Léna MEUNIER

**"Born with a silver spoon in the mouth has
bad sides too": experimentally increasing
growth rate enhances individual quality but
accelerates reproductive senescence in
females of the mealworm beetle, *Tenebrio
molitor***

- Agathe CROSLAND

**Diet might alter large intestine parasitism in
horses**

- Noémie LAROCHE

**Paleoclimatic reconstructions from fossil
chironomids: methodological calibration and
application to the study of northern maple
stands in Quebec**

- Thomas SURANYI


**Tango and quality of life in older people
living in nursing homes**

- Lucia BRACCO MANZINO

**Impact of speed and slope on stride
variability**

- Antoine GODIN

Fin de cette session à 13h10



**SESSION 3 : COGNITION ET
APPRENTISSAGE – SALLE R3 – 16H50 A
18H05**

The selective influence of maternal odor on demanding face categorization in the infant brain

- Anna KISELEVA

How stimuli availability effects novel noun generalization in a free-choice design

- Eleanor STANSBURY

Do offline vs. online learning reflect implicit vs. explicit learning strategies? The contribution of manipulation of RSI in a serial reaction time task

- Yannick LAGARRIGUE

Influence of own-body odor on face detection: A psychophysical approach in adults

- Logan MAGNIER

Fin de cette session à 18h05

**SESSION 3 : MICROBIOLOGIE ET
BIOLOGIE MOLÉCULAIRE – AMPHI
AMPERE – 16H50 A 18H05**

Directed evolution of *Oenococcus oeni* to improve acido-tolerance reveals fixed beneficial mutations in the citrate locus

- Camille EICHER

Can we predict the molecular lipochaperon activity of bacterial small heat shock proteins?

- Tiffany BELLANGER

Experimental community coalescence sheds light on microbial interactions in soil and restores impaired functions

- Sarah HUET

The role of Odorant-Binding Proteins in nutrition under the control of microbiota

- Enisa ARUCI

Fin de cette session à 18h05



**SESSION 3 : CANCÉROLOGIE 1 – AMPHI
ORBIGNY – 16H50 A 18H05**

**Tumor-derived exosomes: Hidden players in
PD1/PD-L1 resistance**

- Aude CHAVANTON

**Role of NOD-like receptor 3 in CD8 T cell
biology**

- Christophe HIBOS

**Targeting HSP110 in combination with
Selinexor in Primary Mediastinal B-cell
lymphoma inhibits STAT6 activation and
impairs lymphoma cell growth**

- Manon DURAND

**Molecular signature and effect of exosomes
from human papillomavirus type 16-infected
cells**

- Sergen ARSLAN

Fin de cette session à 18h05

SESSION 1 : CANCÉROLOGIE 2 – AMPHI ORBIGNY – 9H A 10H30

GW501516-mediated decrease of tetraspanin 15 inhibits N-cadherin cleavage by a disintegrin and metalloprotease 10 in bladder cancer

- Alexandre BARBAUD

Targeting interleukin-1 β to improve chemoimmunotherapy in lung cancer

- Anais PERRICHET

Identification of novel partner proteins of EZH2 and KDM6B in epithelial to mesenchymal transition

- Jules DURAND

Identification of novel CXCL10-inducing chemotherapy/targeted therapy combinations for immunotherapy sensitization of triple negative breast tumors

- Laura KALFEIST

The Nonsense-Mediated mRNA Decay (NMD) regulates GABARAPL1 mRNA during epithelial to mesenchymal transition (EMT)

- Timothée BAUDU

Fin de cette session à 10h30

SESSION 1 : DIVERS 2 – SALLE R3 – 9H A 10H30

Determination of the Gamma-irradiated blended fibroin/aloe gel extract wound dressing on physicochemical and biological properties related to wound healing

- Preeyawass PHIMNUAN

The heat shock protein glucose-related protein 94 interacts with the proprotein convertase furin and modulates its enzymatic activity

- Valentin BAVEREL

Matrix-assisted laser desorption imaging profiling of human retina reveals a distinct lipidomic pattern

- Glenda VASKU

Validation of graph-based connectivity models using genetic data

- Alexandrine DANIEL

In-situ differentiation and quantification of crosslinked Iron(II) and Iron(III) in polysaccharide hydrogel by 1H-low field NMR Relaxometry

- Pierre FOUILLOUX

Fin de cette session à 10h30

**SESSION 1 : NUTRITION ET GOÛT –
AMPHI AMPERE – 9H A 10H30**

**Differences in odor-induced taste
enhancement between normal weight and
obese populations**

- Christopher AVELINE

**Exogenous leptin upregulates fat taste
sensitivity in leptin deficient obese mice**

- Hameed ULLAH

**Chronic effect of the non-nutritive sweetener
Sucralose on hypothalamic glucose detection
in rat**

- Joulia HAYDAR

**Influence of fermented food consumption on
oral microbiota and taste perception**

- Maria IBARLUCEA-JEREZ

**Development of a new in vitro model of oral
mucosa to investigate a new hypothesis on
the molecular origin of astringency**

- Clément NIVET

Fin de cette session à 10h30

**SESSION 2 : COGNITION ET
MOUVEMENT – SALLE R3 – 15H40 A
17H10**

**Effect of acute neuromuscular electrical
stimulation on cognition and mood in
healthy humans**

- Rémi CHANEY

**Intensity effect of neuromuscular electrical
stimulation combined with motor imagery
on corticospinal excitability**

- Pauline EON

**Hip abductor muscle fatigue induces
different strategies during disrupted
postural control**

- Jeanne DURY

**Corticospinal modulations of wrist tendon
vibration are time-dependent**

- Nicolas AMIEZ

Fin de cette session à 16h50

**SESSION 2 : CANCÉROLOGIE 3 – AMPHI
ORBIGNY – 15H40 A 17H10**

Essential oils, *Pituranthos chloranthus* and *Teucrium ramosissimum*, chemosensitize resistant human uterine sarcoma cells to doxorubicin by inducing apoptosis and targeting P-glycoprotein

- Aline MATHEY

Role of immune cells in the anti-tumor response following an anti-PD-1 and anti-VEGFR-2 combination therapy

- Mannon GEINDREAU

High-throughput preclinical screening of CD123 single chain fragment variable to design 3rd generation of chimeric antigen receptor T-cell in the treatment of blastic plasmacytoid dendritic cell neoplasm

- Maxime FREDON

What are young women living conditions after breast cancer? Health-related quality of life, sexual and fertility issues, professional reinsertion

- Emerline ASSOGBA

The impact of psychosocial and clinical factors on quality of life after non-Hodgkin's lymphoma

- Stéphane KROUDLA WASSE

Fin de cette session à 17h10

**SESSION 2 : GÉOLOGIE – AMPHI
AMPERE – 15H40 A 17H10**

Extreme carbon and nitrogen isotopic signatures preserved in 2.7 billion years old sedimentary rocks: evidence for the onset of planetary oxygenation? New insight from the Carajás basin, Brazil

- Alice PELLERIN

Underground karst river monitoring using seismic noise

- Anthony ABI NADER

Ductile - brittle transition in the subducting oceanic lithosphere. A structural analysis of Alpine ophiolites associated with mechanical studies of deformation

- Killian LECACHEUR

Hydrogeological modelling of the Arcier karstic hydrosystem – Transkarst Project

- Victor KLABA

Active but hidden role of DOC in the C cycle of Precambrian analogs stratified lakes: an isotopic study

- Robin HAVAS

Fin de cette session à 17h10

De 14h20 à 15h30

GOÛT ET ALIMENTATION

Understanding the off-notes and bitterness formation mechanisms of air-classification pulse-based fractions

- Adeline KAROLKOWSKI

Role of saliva in perception of astringency in human in function of age

- Mei WANG

Diet and odor hedonic ratings: Comparative study between vegetarians, flexitarians, and omnivore

- Charlotte BONTEMPI

Dedicated odor-taste stimulation design for functional magnetic resonance imaging flavor studies

- Marianela SANTOYO ZEDILLO

Red wine extract, a polyphenolic cocktail, could prevent age-related macular degeneration by inhibits VEGF secretion and its signaling pathway in human retinal cells

- Clarisse CORNEBISE

Wine by-products valorisation by supercritical CO2 extraction (SFE); impact of the extraction process on the structure, functionalities and activity of the extracted molecules

- Gayane HAYRAPETYAN

Bioprotection and oenological tannins association to protect Rosé wine color

- Maelys PUYO

Vitamins in musts: an unexplored field

- Marie Sarah EVERS

Migration of chemical elements from ceramics into model wine

- Syuzanna ESOYAN

Role of vacuolar sulfate in nutritional quality of pea seeds

- Fanélie BACHELET

Colloidal interactions between pea globulin isolate and purified egg white proteins

- Jian KUANG

Functional and nutritional properties of legume proteins as affected by interactions with phytic acid and calcium

- Tiffany AMAT



COGNITION, APPRENTISSAGE ET MOUVEMENT

Effect of pedalling cadence during eccentric cycling on oxygen consumption and perceived exertion

- Adrien MATER
-

Effect of combined electrical stimulation and muscle lengthening on torque development

- Antoine PINEAU
-

Kinematic adaptation to a normal but negative gravitational field: feedforward or feedback control?

- Denis BARBUSSE
-

Optimization criteria in healthy young people and healthy older adults during various movements

- Robin MATHIEU
-

Eye movements reflect the development of structural processing skills in sight reading of music across expertise levels

- Joris PERRA
-

High imagery skills increase the pleasantness of visual textures regardless of valence: a matter of processing fluency?

- Julie TORRES
-

Comparison of auditory encodings for visual-to-auditory sensory substitution in a localization task

- Camille BORDEAU
-

The effect of auditory rhythmic priming on motor sequence learning

- Claudia IORIO
-

Aftereffects of vertical prism adaptation on visuospatial representation

- Vincent ARDONCEAU
-

From behavioral to neural: a systematic review on the adjustments needed to adapt the balloon analogue risk task to neuroimaging studies

- Charline COMPAGNE
-



PALÉOÉCOLOGIE

Two thousand years of boreal forests disturbances history: a multi-proxy approach

- Milva DRUGUET DAYRAS
-

Development and distribution of lacustrine carbonate deposits in the Basin and Range, USA: Impact of climate, tectonics and substrate

- Pierre BOUSSAGOL
-

Significance of a fibrous clay event in the Lutetian-Bartonian deposits (Eocene) of the Paris Basin

- Julien TALON
-

AGROÉCOLOGIE

Drought stress impacts the microbiota mediating iron dynamic in the pea rhizosphere

- Amélie SEMBLAT
-

Different *Medicago truncatula* genotypes, expressing different phenotypes, modulate microbial functional genes in the rhizosphere

- Liya ZHU
-

Recurrent inoculation: a strategy for a better survival of *Pseudomonas fluorescens* strain in soil

- Marine PAPIN
-

Impact of agricultural chemical inputs on the intestinal microbiota: the example of the yeast *Candida albicans*

- Julie PETITFOURT
-

Soil microbial community fragmentation reveals indirect effects of pesticide application mediated through biotic interactions between taxa

- Cara MEYER
-

Ecophysiological processes underlying soybean mineral nutrition under individual or combined heat and water stresses

- Corentin MASLARD
-

Identification and functional characterization of S-nitrosated proteins from *Klebsormidium nitens*, a model alga to study plant adaptation to land

- Zoé CHAUDRON
-

Oleanane-type glycosides from two cultivars of *Weigela florida*: “Minor black” and “Brigela”

- Samir HOBLOSS

The phytochemical characterization of medicinal plants used in the ethno-medicine of Armenia

- Samuel NAZARYAN

Posters

VENDREDI 17 JUIN 2022

De 10h50 à 11h50

MALADIES ET CANCERS

Vectorization of anti-death receptor 4 antibodies on hyperthermia-responsive nanoparticle to increase their therapeutic potential in oncology

- Abdelmnim RADOUA

Glycoprotein-A repetition predominant, a target of interest for SPECT imaging of triple negative breast cancer

- Alexanne BOUCHARD

Epigenetic reprogramming of tumor infiltrating lymphocytes from liver metastases

- Elodie RENAUDE

Oncogenic, stemness and polyploid giant cancer cells phenotype in mammary epithelial cells infected with high-risk human cytomegalovirus

- Ranim EL BABA

Omega-3/Resveratrol combination (Resvega®) reduces angiogenesis axis and oxidative stress in in vitro models of Age-related Macular Degeneration (AMD)

- Maude PERUS

Exogenous Growth differentiation factor 15 (GDF15) exerts direct cardioprotective properties towards myocardial ischemia reperfusion injury

- Geoffrey DOGON

Inhibition of Gp96 as anti-fibrotic strategy in Idiopathic pulmonary fibrosis and its monitoring by Fibroblast Activation Protein in vivo imaging

- Hugo SIKNER

Vasorelaxant effect of 2 new N2,N4–diaminoquinazoline analogs on rat isolated intrapulmonary arteries and mechanisms involved

- Usana CHATTURONG

Impact of peroxisomal β -oxidation deficiencies on lysosome and autophagy in microglial cells

- Mounia TAHRI JOUTEY

The role of Wip1 in neutrophil functions

- Lisa LAGORGETTE

MICROBIOLOGIE

Comparison of in vitro fibrolytic capacity of the large intestinal microbiota in aged versus adult horses

- Marylou BARAILLE

Relations between hindgut microbiota fibrolytic efficiency and physical performance in equine athletes

- Maximilien VASSEUR

Selection of encapsulation materials for protection and colonic delivery of extremely oxygen sensitive probiotics

- Thi-Thanh-Truc PHUNG

The role of EPS in carbonate precipitation during picoplankton blooms: Combining laboratory and field studies

- Marlisa MARTINHO DE BRITO

Cloning and characterization of ADC variants found in clinical *Acinetobacter baumannii* strains

- Susie GAILLOT



DIVERS

Incubation behaviour and importance of extended recesses in an Arctic shorebird: The sanderling (*Calidris alba*)

- Léa ETCHART

Assessing predation risk of arctic fox and other terrestrial predators on sandpiper (*Calidris spp*) nests in the arctic tundra

- Mellina SIDOUS

Chronic corticosterone administration in mice alters behavioural strategy implementation by modifying striatal-dependent motor and cognitive activity

- Stéphanie CRAMOISY

Characterization of human oxidoreductases ability to interact with odorous molecules in olfactory cleft

- Valentin BOICHOT

Zero pollution: recycling sea by-products of shellfish farming - Search for bactericidal biomolecules in the shell of mollusks of economic interest

- Camille LUTET-TOTI

Contribution of French peatlands to the carbon neutrality national goal in 2050

- Lisa PINAULT
