



Programme de la 25<sup>ème</sup> édition des Journées Scientifiques  
de l'École Doctorale Sciences de la Vie, Santé,  
Agronomie, Environnement



**MERCREDI 18 MAI**

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**8h – 8h10 : Ouverture des Journées de l'École Doctorale**

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**8h10 – 8h45 : Communication orale et flash posters – Cancerology**

*Communication orale (8h10 – 8h30)*

- 8h10 : Marine VIALAT - **Stuck in the middle with(out) you: Steroids are involved in tumor formation and their deprivation actively promotes the emergence of a new resistant tumor cell population**

*Flash posters (8h30 – 8h45)*

- Julie OLABE - **Znrf3 inactivation leads to a sexually dimorphic immune microenvironment in adrenocortical tumorigenesis**
- Ola HABANJAR - **Obesity and breast cancer: development of a heterogeneous fluorescent tumoroid of ductal carcinoma in situ to study the impact of the inflammatory microenvironment**
- Florestan VERGNAUD - **Superparamagnetic and Bioactive Nanoparticles for Bone Cancer Treatment**
- Margaux MOREZ - **Modulation of HCN channel activity in oxaliplatin-induced peripheral neuropathy**

**8h50 – 9h25 : Communication orale et flash posters - Mobility and health**

*Communication orale (8h50 – 9h10)*

- 8h50 : Lech DOBIJA - **Immediate Effect of Hamstring Stretching in Patients with Chronic Low Back Pain. Preliminary analysis**

*Flash posters (9h10 – 9h25)*

- Audrey BOSCARO - **State of progress of the NUTRILEAN study: characterization of the physical and nutritional profile of constitutionally thin women**
- Camille CHAMBONNIERE - **Adverse Collateral Effects of COVID-19 Public Health Restrictions on Physical Fitness and Cognitive Performance in Primary School Children**
- Aurélien BRUN - **Prevention of muscle atrophy and myosteatosis by polyunsaturated fatty acids**
- Guillaume VILATTE - **Do chemical products from cleaning treatment process of musculoskeletal tissue allografts can disturb osteoblasts activities?**

**9h30 – 9h45 : Flash posters – Human Health**

- Jean-Baptiste BOUILLON-MINOIS - **Impact of night shifts on nutrition among emergency health care workers**
- Julien CABE - **Influence of clinical markers of dopaminergic behaviors on depressive symptoms during withdrawal in cocaine users**
- Fanny HENRIOUX - **Specific inflammatory answer of conjunctival and corneal cells in hyperosmolar context regarding NFAT5 activation**
- Dhouha HAMDY - **The neuroprotective effect of clove essential oil against 6-OHDA-induced SH-SY5Y cell death *in vitro* and in rat model of Parkinson disease**

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**9h45 – 10h15 : Pause-café (salle Madesclaire)**

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**10h20 – 12h40 : Communications orales – Human health**

- 10h20 : Inès SCHMIDT-MORGENROTH - **Inflammasome and inflammatory biomarkers in Alzheimer's disease**
- 10h40 : Yoann LE BASLE - **Research and evaluation of leachable substances from peripherally inserted central catheters used in newborns and premature infants**
- 11h00 : Marie-Laure MUNOZ-SANCHEZ - **Endodontic and restorative treatments in a single session**
- 11h20 : Skandrani AMAL - **Measuring impacts on health inequities of oral health promotion interventions: the example of New Caledonia**
- 11h40 : Noémie DRANCOURT - **The role of mastication in the feeding of elderly**
- 12h00 : Thibault MENINI - **Sodium alginate-based antacids in gastroesophageal reflux disease: systematic review and meta-analysis**
- 12h20 : Moïse KOMBOLO - **Portable NIRS spectrometer to better predict meat eating quality**

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**12h40 – 13h45 : Pause déjeuner**

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## 13h45 – 14h00 : Flash posters – Genetic and Molecular Biology

- Yassine BOUATTOUR - Validation of a novel brain medium for leachable study from deep brain stimulation's electrodes
- Louis DEBAR - Characterization of two mitochondrial NUDIX proteins
- Ruoyang ZHAI - The Receptor for Advanced Glycation End-products Enhances Lung Epithelial Wound Repair: an In Vitro Study
- Igor LOPES COQUEIRO - Investigating the interaction of enterovirus A71 with an in vitro model of human blood-brain barrier

## 14h05 – 16h45 : Communications orales – Intestinal microbiota

- 14h05 : Mélanie LAVOIGNAT - How to breed wheat for improving bread proteins in vitro digestibility? ([distanciel](#))
- 14h25 : Elora FOURNIER - Impact of microplastics on human gut microbiota : first evidence from in vitro gut models
- 14h45 : Thomas MERCIER - Type VI secretion system in *K. pneumoniae* : role in intestinal microbiota colonization
- 15h05 : Pauline DESCOTES GENON - Stabilization and Diversity Exploration of Infant Gut Microbiota
- 15h25 : Charlotte DESCHAMPS - Development and validation of a new in vitro model of the canine colon adapted to different dog sizes
- 15h45 : Rongcai HUANG - Synergistic effects of natural hydrogen acceptors and a methanogenesis inhibitor on in vitro rumen fermentation
- 16h05 : Maria Inês MOREIRA DE GOUVEIA - Ethanolamine catabolism by commensal *Escherichia coli* strains in vitro and in vivo
- 16h25 : Oshma CHAKOORY - RiboTaxa: Combined approaches for taxonomic resolution down to the species level from metagenomics data revealing novelties

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## 16h45 – 17h15 : Pause-café (salle Madesclaire)

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## 17h15 – 17h50 : Flash posters – Ecology and Environment

- Fanny NOIRMAN - Interdisciplinary strategy to survey phytoplankton dynamics of a eutrophic lake under rain forcing description of the instrumental set-up and first results ([distanciel](#))
- Vincent FERNANDES - Volatolomics: a relevant approach for toxicological and ecotoxicological experiments
- Donald LUNA - Variability and drivers of grassland sensitivity to drought using satellite reflectance indices
- Bakari HAMADOU - Production of 2G bioethanol from northern Cameroon's sorghum (*Sorghum bicolor* (L.) Moench) stalks
- Antoine VERGNE - Plants forming phytotelmata: a model system for discovering new strategies used by plants to tailor a nitrogen-fixing microbiota
- Lory-Anne BAKER - Influence of natural radioactivity on diatoms communities in mineral springs using metabarcoding
- Rihab HACHICHA - Unconventional treatment of liquid olive by-products for the production of microalgal biomass
- Lucie LAFFET - Comparison of microbial colonization between natural and plastic substrata in a contaminated watershed
- Thania SBAGHDI - *Apis mellifera* gut microbiota response following the co-exposure to stressors

## 17h50 – 18h20 : Flash posters – Agribusiness, Agronomy and Plant Biology

- Alexandre CAULUS - Mechanisms underlying gravitropic and autotropic recovery in wheat and poplar
- Khaoula YAHYAOUÏ - Extraction and characterization of polysaccharides From *Gracilaria gracilis* harvested in Bizerte (Tunisia)
- Latifa TOUNSI - Growth medium screening for *Porphyridium cruentum* growth and metabolites production
- Elodie PEGHAÏRE - Natural compound induces plant defense reactions on tobacco and has benefits effects on honeybees infected with *N. ceranae*
- Lena SIMON - Impact of crop management practices on soil suppressiveness towards *Fusarium graminearum*
- Ana GRIZON - Functional characterization of thermophilic lactic acid bacteria isolated from saint-nectaire cheese PDO area
- Stéphane PORTANGUEN - Texturing of a functional food by 3D printing
- Ibrahim FAKIH - Dynamic genome-based metabolic modeling of the predominant cellulolytic rumen bacterium *Fibrobacter succinogenes* S85

## JEUDI 19 MAI

### 8h – 10h : Communications orales – Metabolomic and Genetic

- 8h00 : Imene BOUSAHBA - **Metabolomics phenotyping helps to better understand dysregulations related to obesity and insulin-resistance in minipigs (distanciel)**
- 8h20 : Gueric GILBERT - **Assessing the non-canonical mode of action of TET enzymes in the regulation of genome expression**
- 8h40 : Aline MARTINS - **The somatic piRNA pathway is developmentally regulated during oogenesis in *Drosophila melanogaster***
- 9h00 : Clea SIGURET - **Recurrences and consequences of polyploidy events on gene evolution in angiosperms: Comparative analysis of 80 genomes**
- 9h20 : Victor NOWAK – **Mechanism of epiblast induction in preimplantation mouse embryo**
- 9h40 : Emile MARDOC - **Multi-Omics integration: denoising cereal data using cimDiablo\_v2 to answer several biological questions**

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### 10h00 – 10h20 : Pause-café (salle Madesclaire)

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### 10h20 – 12h40 : Communications orales – Agronomy and Plant Biology

- 10h20 : Sureeporn SURIYAPROM - **Antioxidant and Antibacterial Activities of White Mulberry (*Morus alba* L.) Fruit Extracts (distanciel)**
- 10h40 : Sarah MERMET - **The link between the nuclear pore complex and the nucleoskeleton in *Arabidopsis thaliana***
- 11h00 : Julie LAUGEROTTE - **Validation and characterization of a gene involved in cross incompatibility between wheat and rye**
- 11h20 : Jihane ZEGHLOULI - **Valorization of Argan by-products: Application to the development of biomolecules and biosourced materials**
- 11h40 : Pauline DENIS - **Determination of linoleic and  $\alpha$ -linolenic acid requirements for dairy cows using a meta-analysis approach**
- 12h00 : Abdesslam CHAI-ALLAH - **Using crowdsourced data to quantify cultural ecosystem services provided by grasslands in Auvergne, France**
- 12h20 : Philippine COEUGNET - **Inclusion of citizens in the design of livestock farming: case of mid-mountain dairy system**

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### 12h40 – 15h00 : Pause déjeuner

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## 15h00 – 15h30 : Remise des prix (Auditorium)

15h30 –  
18h30

Conférence  
& Table  
ronde

### L'agroécologie pour nourrir convenablement et durablement la population.

- 15h30 – 16h10 : présentation de Marc Dufumier
- 16h10 – 16h30 : présentation de Jean-François Xavier De Montard
- A partir de 16h30 : table ronde autour de la thématique de l'agroécologie