



INSTITUT MONDOR
DE RECHERCHE
BIOMÉDICALE

PARIS
EST
SUP
ÉCOLE
DOCTORALE

Sciences de la Vie
et de la Santé



Journée des Sciences de la Vie et de la Santé de Créteil
Vendredi 20 octobre 2023



Journée des Sciences de la Vie et de la Santé de Créteil
Maison du Handball de Créteil

Programme scientifique élaboré par le
Comité d'Animation Scientifique de l'IMRB (COMASCI)

Vendredi 20 octobre 2023 – 8h45 à 18h
Maison du Handball de Créteil, 1 rue Daniel Costantini
94000 Créteil

Journée des Sciences de la Vie et de la Santé de Créteil

Vendredi 20 octobre 2023, Maison du Handball de Créteil

Programme

08h45-09h00 : Accueil

9h00-9h15 : **Ouverture** de la journée par **Pierre Wolkenstein** ; Doyen de la Faculté de Santé et **Pascale Fanen**, Directrice de l'Ecole Doctorale Sciences de la Vie et de la Santé de Créteil

Session communications orales 1 : 9h15-10h15

Modérateurs : S.Pons – M. Ollero

- 9h15-9h30. **Audrey ONFROY** : *NF1 heterozygosity and transcriptomic landscape of malignant peripheral nerve sheath tumors* (N. Ortonne – D. Thieffry)
- 9h30-9h45. **Pernelle PULH** : *Mechanisms driving cutaneous neurofibromas development in a mouse model of NF1* (N. Ortonne – P. Topilko)
- 9h45-10h00. **Franceska KOVACI** : *Cellular Origin of spine deformity in a mouse model of NF1* (F. Relaix – C. Colnot)
- 10h00-10h15. **Gamze TARI** : *5-Azacytidine induces apoptosis via P53 pathway in follicular helper T cell lymphoma* (N. Ortonne – F. Lemonnier)

Pause-café

Session posters 1 (Impairs) : 10h15-11h15

Session Communications orales 2 : 11h15–12h00

Modérateurs : C. Colnot – P. Bruscella

- 11h15-11h30. **Sarah CHEBOUTI** : *Deciphering the molecular and cellular trajectories of skeletal muscle specification by PAX3 during development* (F. Relaix – J. Lima)
- 11h30- 11h45. **Andréa CARLIER** : *Pan-therapy, CRISP/Cas13-mediated, for Centronuclear myopathies by targeting Dynamin 2* (F. Relaix – I. Puzon)
- 11h45-12h00. **Chloé BEN ALI** : *Effect of heme on the podocyte: possible implication in the pathogenesis of sickle cell nephropathy* (G. Derumeaux - C.Hénique)
- 12h00-12h40 : **Conférence-débat par Olivier RAGUENEAU (Laboratoire des Sciences de l'Environnement Marin, Université de Brest) : Changement climatique : responsabilité et transformation de l'ESR**

Pause- déjeuner

Session posters 2 (Pairs) : 13h00-14h00

14h05-14h45 : **Conférence-débat par Mathieu BOUFFARD (UMR 6112 Laboratoire de Planétologie et Géosciences, Université de Nantes) : L'engagement écologique des jeunes chercheurs.ses : quelles difficultés mais aussi, quelle vision pour notre métier ?**

Session Communications orales 3 : 14h45–15h30

Modérateurs : O. Godin – M. Bencze

- 14h45-15h00. **Pamela PINDI** : *Réguler ses émotions par le neurofeedback en IRMf temps-réel* (M. Leboyer-P. Favre)
- 15h00-15h15. **Eloise MERRICK** : *Beta-adrenergic signalling pathway in mouse primary hippocampal neurons in link with Alzheimer's disease* (CRRET- Dulce-Papy Garcia)
- 15h15- 15h30. **Adèle HAMMOUDI** : *Towards a Langerhans cell targeting HIV-1 vaccine* (Y. Lévy-S. Cardinaud)

Pause-café : 15h30-16h00

Session Communications orales 4 : 16h–17h :

Modérateurs : V. Urbach – Y. Hachemi

- 16h00- 16h15. **Maxime FIEUX** : *Dupilumab restores nasal epithelial barrier functions altered by IL-4 in vitro* (B. Louis – E. Bequignon)
- 16h15-16h30. **Grégoire JUSTEAU** : *Induction of lipogenic differentiation and alveolar regeneration in emphysema via PPARG and SREBP* (G. Derumeaux – L. Boyer)
- 16h30-16h45. **Clément BUISSOT** : *Rôle de l'exposome dans le développement de la BPCO* (S. Lanone)
- 16h45-17h00. **Denis Salomon LOPEZ MOLINA** : *The role of Casein kinase II in SARS-Cov-2 life cycle and antiviral potential* (J.M. Pawlowsky - A. Ahmed-Belkacem)

Réunion du jury d'attribution des prix / AG Codopodo : 17h00-17h30

17h30-18h : **Remise des prix et conclusions** par **Jorge Boczkowski**, Directeur de l'IMRB.

Liste des posters

Session matin

- 1 **ABI ZEID Yara**, Equipe Ghaleh (Dir.thèse : Renaud Tissier) : *Effect of fingolimod-induced leucocyte sequestration on inflammatory response and neurological damages in a porcine model of cardiac arrest*
- 3 **BANOS Ghislain**, Equipe Relaix (Dir.thèse : Nathalie Didier) : *Engineered 3D muscle constructs for modeling Duchenne Muscular Dystrophy and high-throughput screening of novel therapeutics*
- 5 **BELLIL Tanina**, Equipe Lanone (Dir.thèse : Sophie Lanone/Yuli Watanabe) : *Impact of perinatal exposure to nanoparticles on lung development.*
- 7 **BLEUZEN Anaïs**, Equipe Relaix (Dir de thèse : Fred Relaix/Nathalie Didier) : *Human engineered skeletal muscles derived from iPSC for the modeling of neuromuscular disorders and the development of a high-throughput screening cellular platform*
- 9 **BONIZEC Orianne**, Equipe Cohen (Dir. thèse : Ilaria Cascone) : *The CDKN2A Deletion May Influences the Establishment of the Tumor Immune Microenvironment of Pancreatic Ductal Adenocarcinoma*

- 11 **CHRETIEN Alexandra**, Equipe Relaix (Dir. thèse : Romain Gherardi/Guillemette Crépeaux) : *Autophagy and neurodevelopmental disorders: Ultrasonic vocalizations (USV) and social interactions from preweaning up to adulthood in Irgm1-KO mice*
- 13 **CORBOZ Daphné**, Equipe Ghaleh (Dir. thèse : Bijan Ghaleh) : *Inhibition of vascular permeability in a pig model of heart failure with preserved ejection fraction*
- 15 **DELMONT Thaïs**, Equipe Derumeaux (Dir. thèse : Laurianne Bonnet/Geneviève Derumeaux) : *Impact of a switch diet after high-fat diet induced obesity combined with aging on cardiac function*
- 17 **EL HAJJ Marwa**, Equipe Lévy (Dir. thèse : Véronique Godot) : *Preclinical evaluation of immunogenicity and efficacy of the CD40.Pan.CoV vaccine*
- 19 **FAUCHER Estelle**, Equipe Ghaleh (Dir. thèse : Matthias Kohlhauer/Renaud Tissier) : *Pharmacological inhibition of cerebral lactate is neuroprotective after experimental cardiac arrest in rabbits*
- 21 **FRAPARD Thomas**, Equipe Derumeaux (Dir. thèse : Armand Mekontso-Dessap) : *The role of cytokines in septic myocardial dysfunction: a translational systematic review and meta-analysis*

- 23 **GHARBI Amin**, Equipe Bachoud-Lévi (Dir. thèse : Laurent Cleret de Langavant) : *Dementia prediction in the Survey of Health, Ageing and Retirement in Europe*
- 25 **HAJJAR Joelle**, Equipe Relaix (Dir. thèse : Fred Relaix/Valentina Taglietti) : *Molecular mechanisms regulating TSHR signaling pathway*
- 27 **LAMA Cheryane**, Equipe Relaix (Dir. thèse : Edoardo Malfatti) : *Characterization of the D4Z4 subtelomeric region of a human derived isogenic iPSC line and identification of a CRISPR/Cas9 strategy for DUX4 inactivation in FacioScapuloHumeral muscular Dystrophy type 1 (FSHD1)*
- 29 **MATAR Rola**, Equipe Pawlotsky (Dir. thèse : Daniel Candotti/Stéphane Chevaliez) : *Genomic and Phenotypic Characterization of Hepatitis Delta Reduced Susceptibility to Bulevirtide, a Novel Peptide Inhibitor*
- 31 **MENDES Bruna**, Equipe Relaix (Dir. thèse : Alain Fontbonne/Laurent Tiret) : *Impact of a Subcutaneous Deslorelin Implant in Male Dogs: Quantitative Analysis of LH Receptor Expression Pattern in Target Tissues*
- 33 **MUSSIGMANN Thibaut**, UR 4391 (Dir. thèse : Jean-Pascal Lefaucheur) : *Relieving neuropathic pain with Neurofeedback-EEG. A randomized controlled study*

- 35 **NIDERCORNE Charlotte**, Equipe Cohen (Dir. thèse : Valérie Frenkel-Flavia Castellano) : *Role of TCR affinity in the regulation of T cell activation by IL411*
- 37 **RODRIGUES Mathilde**, Equipe Relaix (Dir. thèse : Fred Relaix/Peggy Lafuste) : *Molecular and cellular characterization of spontaneous rhabdomyosarcoma in a preclinical rat model of Duchenne Muscular Dystrophy.*
- 39 **SAKR Fouad**, Equipe Bachoud-Lévi (Dir. thèse : Hassan Hosseini/Pascale Salameh) : *Construction and validation of the 17-item Stroke Specific Quality of Life Scale (SS-QOL-17): A comprehensive short scale to assess the functional, psychosocial, and therapeutic factors of QOL among stroke survivors*
- 41 **SOOCHETA Sri Kamini**, Equipe Pawlotsky (Dir. thèse : Fatima Teixeira-Clerc) : *Impact of environmental pollution and the AhR signaling pathway on hepatic carcinogenesis*
- 43 **VAN WYNSBERGHE Margaux**, Equipe Derumeaux (Dir. thèse : Carole Hénique) : *Identification of podocyte and glomerular endothelial cell molecular signature during nephrotoxicity of anti-angiogenic treatment*

Session après-midi

- 2 **ANGRAND Loïc**, Equipe Relaix (Dir. thèse : Guillemette Crépeaux) : *Molecular and behavioral studies in preweaning Irgm1-ko mice in response to an early postnatal immune challenge*
- 4 **BELKHELOUAT Sadjia**, Equipe Ortonne (Dir. thèse : Nicolas Ortonne) : *PD-1 in Peripheral T-cell Lymphoma: a therapeutic target using a novel approach by blocking and depleting hlgG1 antibodyomes T périphérique.*
- 6 **BERGE Gwladys**, Equipe Relaix (Dir. thèse : Marianne Gervais-Taurel) : *Long-term dioxin exposure promotes systemic endothelial damage and left ventricular diastolic dysfunction through endothelial AHR in mice*
- 8 **BONARDET Nathalie**, UR 4391 (Dir. thèse : Alain Créange/Marc Sorel) : *Balance of multiple sclerosis patients SEPEO*
- 10 **CHATER Dounia**, Equipe Leboyer (Dir. thèse : Stéphane Jamain/Sylvie Granon) : *In utero exposure to air pollution affects social behaviors, gene expression and neuroinflammation in mice*
- 12 **COJOCARU Andreea**, Equipe Relaix (Dir. thèse : Fred Relaix/Valentina Taglietti) : *Deciphering the mechanisms underlying the fibrotic deposition and accumulation of FAPs in DMD*
- 14 **DE LICHY Aubert**, Labo Gly CRRET (Dir. thèse : Dulce Papy-Garcia/Laurent Pinchard) : *Small heparan sulphates mimetics in the treatment of Alzheimer's disease*
- 16 **ECKERT Saskia**, Equipe Pirenne (Dir. thèse : Pablo Bartolucci) : *Accuracy of additively manufactured personalized carotid artery geometries for cellular studies in sickle cell disease related cerebral vasculopathies*
- 18 **ETHEL Maria**, Equipe Relaix (Dir. thèse : Céline Colnot) : *Role of PDGFR α + skeletal stem/progenitor cells in musculoskeletal regeneration*
- 20 **FERTITTA Laura**, Equipe Ortonne (Dir. thèse : Piotr Topilko/Pierre Wolkenstein) : *Standardizing the analysis of cutaneous neurofibromas in Nf1-KO mice to explore drugs targeting tumor cells and their microenvironment in this model*
- 22 **GAILLET Antoine**, Equipe Derumeaux Dir. thèse : Nicolas De Prost) : *Etude épidémiologique des formes graves du syndrome d'hypersensibilité médicamenteuse (ou drug reaction with eosinophilia and systemic symptoms (DRESS)) ICUDRESS*
- 24 **GROS Vincent**, Equipe Derumeaux (Dir. thèse : Serge Adnot) : *Chronic intermittent hypoxia leads to disruption of clock genes expression in mouse lung tissues: potential consequences on lung cell senescence*
- 26 **JIMENEZ ARAYA Bryan Stiven**, Equipe Pawlotsky (Dir. thèse : Christophe Rodriguez) : *Dual SARS-CoV-2 infections: Genomic-based approach for the detection of SARS-CoV-2 co-infections and diverse viral populations*
- 28 **LOPES Jeanne**, UR TREPCA (Dir. thèse : Francis Vacherot) : *Phenotypic characterisation of epithelial, mesenchymal and neuroendocrine extracellular vesicles from prostate cancer*
- 30 **MATTAR Joseph**, UR 4391 (Dir. thèse : Jean-Pascal Lefaucheur/Samar) : *Relieving fibromyalgia diffuse pain with a new transcutaneous electrostimulation technique.*
- 32 **MIRCILOGLU Busra**, Equipe Relaix (Dir. thèse : Laurent Tiret) : *Correction of Duchenne Muscular Dystrophy disease trajectory by a novel therapy targeting CD38*
- 34 **NGUEMA Laury**, Equipe Lévy (Dir. thèse : Véronique Godot) : *CD40.SARS.CoV2 but not mRNA BNT162b2 vaccine stimulates selective enrichment in Spike- and Nucleocapsid-specific CD8+ stem cell-like memory T cells*
- 36 **OZTURK Teoman**, Equipe Relaix (Dir. thèse : Nathalie Didier) : *Restricting p38 MAPK activity in human MuSC from their niche withdrawal to their ex vivo expansion is a key factor to preserve their therapeutic potential*
- 38 **SAADAN Chayma**, Labo Gly CRRET (Dir. thèse : Patricia Albanese) : *Functional and structural characterization of GAG from PRP for application in osteoarthritis.*
- 40 **SMAIL Oussama**, Equipe Relaix (Dir. thèse : Philippos Mourikis) : *The Role of Notch signaling pathway in Fibro-adipogenic progenitors (FAPs) and the consequence on muscular fibrosis.*
- 42 **TOIGO Marylène**, Equipe Derumeaux (Dir. thèse : Laurent Boyer) : *Development of a senescent organoid assay from an epithelial cell line could be a way to identify seno-active drugs in human emphysema*
- 44 **ZOGLIO Virginia**, Equipe Relaix (Dir. thèse : Fred Relaix/Joana Lima) : *Divergent regenerative potential of satellite cells is sustained by Pax3 expression*