



# PLATEFORME D'INGÉNIERIE CELLULAIRE ET ANALYSES DES PROTÉINES

## ommunications

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### 2024

Impact of rhamnolipids, natural defense elicitors, on shoot and root proteomes of *Brassica napus* by a tandem mass tag labeling approach. **SMAP** 2024. 16-19 Septembre 2024.

Enrichment of transmembrane protein identification in mass spectrometry with the BeatBox sampler homogenizer. **SMAP** 2024. 16-19 Septembre 2024

Quantitative proteomics analysis of in vitro human brain pericytes in normal condition and after treatment with pro-inflammatory cytokines. **SMAP** 2024. 16-19 Septembre 2024.

Brain pericytes implication in cell-cell communication in the neurovascular unit. **IMSC** 2024. Melbourne 17-23 Août 2024.

25-hydroxycholesterol attenuates tumor necrosis factor alpha-induced blood-brain barrier breakdown in vitro. **Acta Mol Basis Dis.** 2024, 1870(8), 167479.

Pectin remodeling and involvement of AtPME3 in the parasitic plant-plant interaction *Arabidopsis thaliana*-*Phelipanche ramosa*. **Plants.** 2024, 13(15), 2168.

Mutation of AtPME3, a pH-Dependent Pectin methyl esterase, affect cell wall structure and hypocotyl elongation. **Plant Cell Physiol.** 2024, 65(2), 301.

### 2023

TMT-based quantitative proteomics analysis reveals differentially expressed proteins between different sources of hMSCs. **Int. J. Mol. Sci.** 2023, 24, 13544.

The bovine uterine fluid proteome is more impacted by the stage of the estrous cycle than the proximity of the ovulating ovary in the periconception period. **Theriogenology.** 2023. 198: 332-343.

## 2022

Altered protein pattern of human brain pericyte-derived small extracellular vesicles after treatment with pro-inflammatory cytokines. **Analytics.** Nantes, France. 5-9 Septembre 2022.

Etude de l'impact de l'utilisation de stimulateurs de défenses naturelles (SDN) sur la paroi chez le colza par une approche protéomique différentielle. **Analytics.** Nantes, France. 5-9 Septembre

A deep characterization of human brain pericyte-derived small extracellular vesicles and their protein composition once exposed to pro-inflammatory cytokines. **ISEV Annual Meeting.** Lyon, France. 25-29 Mai.

TMT-based quantitative proteomics analysis reveals differentially expressed proteins between different sources of hMSCs. **2nd Joint Meeting of Spanish, French and Portuguese,** Villamoura, Portugal. 11-13 Mai 2022.

## 2021

Astrogliosis and compensatory neurogenesis after the first ethanol binge drinking-like exposure in the adolescent rat. **Alcohol Clin Exp Res.** 46(2): 207-200.

Characterization of human pericyte-derived small extracellular vesicles. **International Symposium on Signal Transduction at the Blood-Brain Barriers,** 22-24 Septembre 2021. Bari, Italy

Evaluation of Placental Transfer and Tissue Distribution of cis- and Trans-Permethrin in Pregnant Rats and Fetuses Using a Physiological-Based Pharmacokinetic Model. **Front Pediatr.** 2021. 23;9:730383.

Physiological and Biochemical Traits of Two Major Arabidopsis Accessions, Col-0 and Ws, Under Salinity. **Front Plant Sci.** 2021. 12:639154.

A Tandem Mass Tags (TMTs) labeling approach highlights differences between the shoot proteome of two Arabidopsis thaliana ecotypes, Col-0 and Ws. **Proteomics.** 2021. 11-12:e2000293.

## 2020

Acute pathophysiological myocardial changes following intra-cardiac electrical shocks using a proteomic approach in a sheep model. **Nature Sci Rep.** 2020 Nov 20;10(1):20252.

The combination of a poly-caprolactone/nano-hydroxyapatite honeycomb scaffold and mesenchymal stem cells promotes bone regeneration in rat calvarial defects. **Journal of Tissue Engineering and Regenerative Medicine.** 2020. 14(11): 1570-1580.

An alginate-based hydrogel with a high angiogenic capacity and a high osteogenic potential. **BioResearch Open Access.** 2020. 9(1): 174-182.

Functional validation of a new alginate-based hydrogel scaffold combined with mesenchymal stem cells in a rat hard palate cleft model. **Plastic and Reconstructive Surgery, Global Open.** 2020. 8(4):e2743.

An untargeted liquid chromatography-mass spectrometry-based workflow for the structural characterization of plant polyesters. **Plant J.** 2020. 102(6):1323-1339.