

Occitanie Workshop on enzymatic and non-enzymatic metabolites of omega-6 and omega-3 PUFAs: Promising Oxylipin Mediators

Amphithéâtre du CNRS, DR Occitanie-Est
13 Septembre 2022

09:00-09:30: **Registration**

09:30-09:45: **Opening Remarks**

Pr Pascal Dumy (Director of IBMM, Montpellier)

Dr Thierry Durand (IBMM, Montpellier)

Chair: Camille Oger (Montpellier)

09:45-10:30: Opening Lecture: Pr Charles Nicholas SERHAN (Harvard Medical School, Boston)

Novel Pro-Resolving lipid mediators are signals in Resolution of Inflammation and in tissue regeneration

10:30-11:15: speaker 1: Dr Mai NGUYEN-CHI (LPHI, Montpellier)

Role of Specialized Pro-resolving mediators in the control of macrophage behavior and function during wound healing

11:15-12:00: speaker 2: Pr Joan CLARIA (CBHU, Barcelone)

Lipid mediators in the resolution of metabolic dysfunction-associated liver disease

12:00-12:45: speaker 3: Dr Cécile Gladine (UNH, Clermont Ferrand)

Potential of the plasma oxylipin signature to better understand and predict cardiometabolic dysregulations

12:45-14:00: **Lunch-buffet**

Chair: Jean-Marie Galano (Montpellier)

14:00-14:45: speaker 4: Dr Ángel Sánchez-Illana (DAC, HRI-IBMM, Valence-Montpellier)

Development of a LC-MS/MS Method for Novel Oxylipins in Newborn Urine. Validated Quantification of Known Isomers and Semiquantitative Analysis of Potentially Unknowns

14:45-15:30: speaker 5: Dr Camille OGER (IBMM, Montpellier)

Synthesis of Marine Oxylipins

Chair: Marie Demion (Montpellier)

15:30-16:15: speaker 6: Pr Jean-Yves LE GUENNEC (U1046, Montpellier)

A rapid overview of physiological roles of Non-Enzymatic Oxidized PUFAs

16:15-16:30: speaker 7: Amandyne LINARES-MAURIZI (Microphyt-IBMM, Montpellier)

Non enzymatic and enzymatic oxylipin profiling in marine microalgae

16:30-17:15: speaker 8: Dr Mikhail D. Shchepinov (Retrotopé, Inc, Los Altos Hills, USA)

Deuterated PUFAs Control Lipid (Per)oxidation

17:15-18:00: speaker 9: Pr Martin GIERA (LUMC, Leiden)

Integration of Quantitative Shotgun Lipidomics into Drug Development and Clinical Research

18:00: **Closing remarks**

