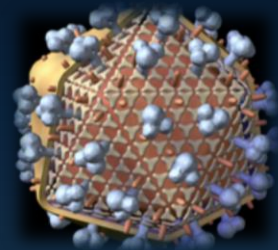
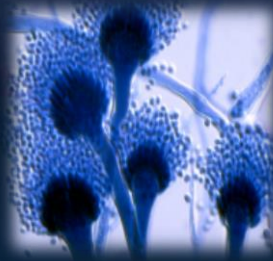
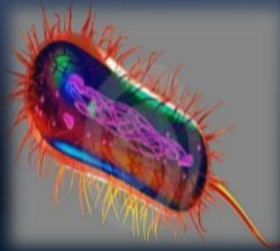


12th GERLI international LIPIDOMICS MEETING

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MICROBE and HOST LIPIDS



October 23-26 , 2016

Hôpital Pierre-Paul Riquet
CHU Purpan
TOULOUSE - FRANCE



12th GERLI INTERNATIONAL LIPIDOMICS MEETING

PROGRAM AND INVITED SPEAKERS

SUNDAY OCTOBER 23, 2016

Clémence Isaure Conference Room, Hôtel d'Assézat

KEYNOTE LECTURE 18h

Hugues CHAP (France): Endocannabinoids and bacterial infections

19.45: Wellcome reception



MONDAY OCTOBER 24, 2016

Pierre-Paul Riquet Conference Room, Hôpital Purpan

SESSION 1: MICROBIAL LIPIDS IN HOST-PATHOGEN INTERACTION

Emilie LAYRE (France): Unbiased lipidomic analysis of *Mycobacterium tuberculosis* uncovers virulence-associated molecules

Thierry FONTAINE (France): Sphingolipids in the human fungal pathogen, *Aspergillus fumigatus*

SESSION 2: HOST LIPIDS IN MORPHOGENESIS AND SPREADING OF VIRUSES AND BACTERIA (1)

Robert V. STAHELIN (USA): Host cell plasma membrane phosphatidylserine regulates the assembly and budding of Ebola virus

Jean DUBUISSON (France): Interaction between hepatitis C virus and lipid metabolism during virus entry and assembly

SESSION 3: HOST LIPIDS IN MORPHOGENESIS AND SPREADING OF VIRUSES AND BACTERIA (2)

Thierry SOLDATI (Switzerland): Manipulation of host lipid droplets localisation and metabolism during infection by mycobacteria

Erich GULBINS (Germany): Regulation of pulmonary *Pseudomonas aeruginosa* infections by ceramide and sphingosine

TUESDAY OCTOBER 25, 2016

Pierre-Paul Riquet Conference Room, Hôpital Purpan

SESSION 4: PHOSPHOINOSITIDES AND MICROBE PATHOGENICITY

Bernard PAYRASTRE (France): Phosphoinositide involvement in bacterial infection

Alassane MBENGUE (USA): The ER-PI3P vesicle pathway, a crucial mechanism of artemisinin resistance in *Plasmodium falciparum* malaria



SESSION 5: FATTY ACIDS AND THERAPEUTIC APPROACHES

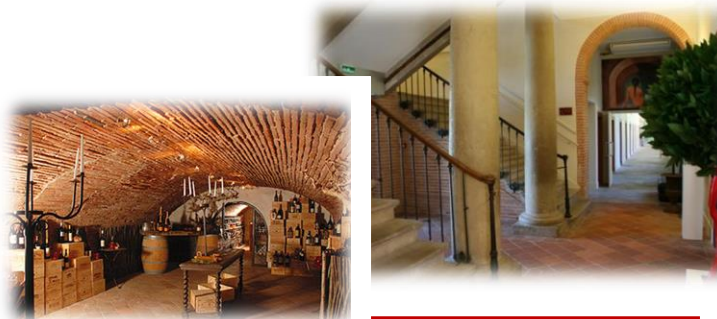
Charles ROCK (USA): The bacterial enzyme Fatty Acid Synthase type II (FAS II) as target of new therapeutic approaches

Patrick TRIEU-CUOT (France): Fatty acids and antibiotic resistance

Nicolas CENAC (France): Regulation of visceral pain Irritable Bowel Disease syndrome by eukaryotic and prokaryotic bioactive lipids

SOCIAL PROGRAM in MONTAUBAN (Toulouse vicinity)

- Visit of Musée INGRES
- GALA DINNER (Hôtel-Abbaye des Capucins)
- Concert with « Aérés » Brass Quintet



WEDNESDAY OCTOBER 26, 2016

Pierre-Paul Riquet Conference Room, Hôpital Purpan

SESSION 6: HOST ANTIMICROBIAL STRATEGIES

Edward DENNIS (USA): Lipidomics highlight infection and inflammation progression

Jerrold P. WEISS (USA): Role and regulation of antibacterial activity of mammalian Group IIA sPLA2

Agnès COSTE (France): LRH-1 mediates anti-inflammatory and anti-fungal phenotype of IL13-activated macrophages through the PPAR γ ligand synthesis

SESSION 7: LIPIDS AND THE MICROBIOTA

Anne FERLAY (France): Production of trans fatty acids and conjugated linoleic acids in ruminant animals

Nathalie DELZENNE (Belgium): Role of the gut microbiota in the production of bioactive fatty acid metabolites: which consequence for host health ?

SESSION 8: MICROBE LIPID IMAGING

Alain BRUNELLE (France): Detection of bacterial and fungi lipids by mass spectrometry imaging

Véronique DARTOIS (USA): Spatial distribution of inflammatory lipids by MALDI imaging in tuberculosis pathology

KEYNOTE CONCLUDING LECTURE

Philippe SANSONETTI (France): The role of the microbiota in the transport control and lipid metabolism in the intestinal epithelium

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