

Auvergne-Rhône-Alpes Regional Workshop on Microbiome

November 28th and 29th, 2019

Délégation Régionale du CNRS, 2 Avenue Albert Einstein, 69100 Villeurbanne

Objectives

- To gather regional actors working on the microbiology of interactions
- To review the advances of the field
- To define the strategic positioning of regional research
- To reinforce and nurture collaborations

Important for the organization of the 2 days: Please bring your ID card and plan to arrive 10 min in advance to pass the control at the entrance to the CNRS site.

Thursday November 28th

9h30-10h15: Welcome with coffee at the amphitheater of the CNRS

10h15-10h30: Introduction (*Aziz Heddi*)

Session 1 - Pathobiome & Host Responses (*chairman: Thomas Henry*)

10h30-11h30: Estelle Grasset (Wallenberg Laboratory, Göteborg, Sweden)
The neuromodulator role of the gut microbiota on the enteric nervous system.

11h30-11h50: *Nicolas Barnich*

Adaptation of the adherent-invasive *E. coli* pathobiont to gut environment in the context of intestinal inflammation.

11h50-12h10: *Ina Attrée*

Focus on virulence and evolution of *Pseudomonas*

12h10-12h30: *Marie-Cécile Michallet*

Intestinal dysbiosis and pro-allergic phenotype: deciphering the link between intestinal microbiota and skin allergy.

12h30-13h00: general discussion (in french)

Challenges liés la thématique 'pathobiome et réponses de l'hôte', projets, moyens nécessaires

13h00: Lunch buffet

Session 2 – Microbiota, Ecology & Evolution (*chairwoman: Natacha Kremer*)

14h30-15h30: Laure Segurel (CNRS researcher at Musée de l'Homme, Paris)
The human gut and saliva microbiome along a gradient of urbanization in Cameroon

15h30-15h50: *Fabrice Vavre*

Symbiotron and Micro-be-have: two collaborative tools for the study of insects-microorganisms interactions

15h50-16h10: *Daniel Muller*

Significance of the evolution of Zea mays and other Poaceae for rhizobacterial community composition

16h10-16h30: *Guillaume Minard*

Disentangling the complex interactions between Aedes albopictus and its microbiota.

16h30-17h00: general discussion (in french)

Challenges liés la thématique 'microbiote, écologie et évolution', projets, moyens nécessaires

17h00-19h30: Appetizer/Poster session

Friday November 29th

Session 3 – Microbiota & Development (*chairman: François Leulier*)

9h00-10h00: Tobias Engl (Institute of Organismic and Molecular Evolution, Mainz, Germany)

From beewolves & beetles - beneficial and antagonistic microbe interactions during insect development

10h00-10h20: *Filipe De Vadder*

Shaping a second brain in the bowel: a microbial perspective in the context of malnutrition

11h30-11h00: coffee break

11h00-11h20: *Evelyne Forano*

Rumen microbial colonization in lambs fed artificial milk. Effect of a yeast additive

11h20-11h40: *Anna Zaidman-Rémy*

Coordinated changes in host and endosymbiont cell physiology remodel symbiosis during cereal weevil metamorphosis through bacteriocyte migration and de novo stem cell infection

11h40-12h00: general discussion (in french)

Challenges liés la thématique 'microbiote et développement', projets, moyens nécessaires

12h00-13h00: Concluding remarks (*Aziz Heddi*)

Discussion (en français) sur les stratégies de renforcement des collaborations régionales (*Aziz Heddi + organisatrices + animateur.rice.s*)