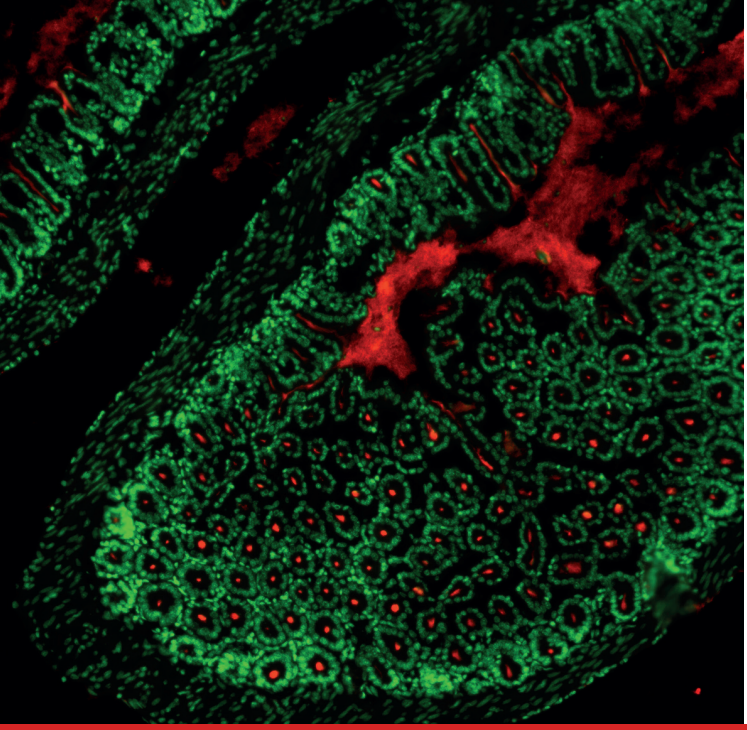


October 17 & 18, 2018

Institut Cochin, Paris, France

Inserm cross-cutting program microbiota
35è journées Institut Cochin - JC Dreyfus

Microbiota in host health and disease: from correlation to causality

Speakers:
Sebastian Winter, Maria Dominguez-Bello, Claire Poyart, Karine Adel-Patient, Gérard Eberl, Nathalie Delzenne, Louise Mannerås-Holm, Christoph Thaiss, Karine Clément, Agnès Lehuen, Gabriel Perlemuter, Philippe Lesnik, Ramnik Xavier, Sonia Garel, Mikael Knip, Franck Housseau, Richard Bonnet, Béatrice Romagnolo

Scientific committee:
Nadine Cerf-Bensussan, Gérard Eberl, Agnès Lehuen, Claire Poyart, Béatrice Romagnolo, Evelyne Jouvin Marche

Wednesday, October 17

09:00 - 10:00 - Session 1: Introduction and Key note lecture

Chair: Nadine Cerf-Bensussan

- 09:00 Introduction by **Claire Giry**, acting chairman and CEO of INSERM.
- 09:15 Food from the Fire: Metabolism of the Gut Microbiota during Inflammation (key note).
  Sebastian Winter, University of Texas, USA.

10:00 Coffee break

10:30 - 12:30 - Session 2: Microbiota Influence in the neonatal period

Chairs: Claire Poyart & Ivo Boneca

- 10:30 Microbiota in Host Health and Disease: from Correlation to Causality.
  Maria Dominguez-Bello, Rutgers, The State University of New Jersey, New Brunswick, USA.
- 11:00 Gut microbiota influence on the colonization of newborns by Group B Streptococcus during the first two months of life.
  Claire Poyart, Institut Cochin (Inserm U1016, CNRS UMR8104, University Paris Descartes), Paris, France.
- 11:30 Early breast milk composition, microbiota and food allergy development in childhood.
  Karine Adel-Patient, UMR CEA-INRA/Institut Joliot, CEA de Saclay, Gif-sur-Yvette, France.
- 12:00 Exposure to microbiota early in life protects from inflammatory pathologies later in life.
  Gérard Eberl, INSERM U1224, Institut Pasteur, Paris, France.

12:30 Lunch

14:00 - 16:00 - Session 3: Microbiota Influence on host metabolism (1)

Chairs: Agnès Lehuen & Karine Clément

- 14:00 Prebiotics and probiotics in the control of metabolic disorders : from concepts to clinical evaluation.
  Nathalie Delzenne, Louvain Drug Research Institute, Université Catholique de Louvain, Belgium.
- 14:30 Gut microbial regulation of insulin sensitivity and host metabolism.
  Louise Mannerås-Holm, Wallenberg Laboratory and Department of Molecular and Clinical Medicine, University of Gothenburg and Novo Nordisk Foundation, Sweden.
- 15:00 Microbiome dynamics in metabolic disease.
  Christoph Thaiss, Perelman School of Medicine, University of Pennsylvania, USA.
- 15:30 Gut microbiota and obesity; can we rescue dysbiosis?
  Karine Clément, Sorbonne Université/Inserm/APHP, Paris, France.

16:00 Coffee break

16:30 - 18:00 - Session 4: Microbiota Influence on host metabolism (2)

Chairs: Olivier Meilhac & Hubert Vidal

- 16:30 MAIT cells at the crossroad of microbiota, inflammation and diabetes.
  Agnès Lehuen, Institut Cochin (Inserm U1016, CNRS UMR8104, University Paris Descartes), Paris, France.

- 17:00 Susceptibility to nutritional liver diseases, microbiome and bile acids
  Gabriel Perlemuter, INSERM & University Paris-Sud/Paris–Saclay, France.
- 17:30 Bile salts, microbiota and therapeutic control of hypercholesterolemia.
  Philippe Lesnik, INSERM UMR_S 1166, Sorbonne Université, ICAN Institute of Cardiometabolism & Nutrition, Paris, France.

Thursday, October 18

08:45 - 10:15 - Session 1: Role of microbiota in chronic immune mediated disorders

Chairs: Gerard Eberl & Sylvie Claeysen

- 08:45 Microbes, Metabolites & Mucosal Immunity.
  Ramnik Xavier, The broad Institute of MIT and Harvard & Massachusetts General Hospital, USA.
- 09:15 Microbiota and microglia development: inequality between the sexes.
  Sonia Garel, Institut de Biologie de l'Ecole Normale Supérieure, CNRS UMR8197, Inserm U1024, Paris, France.
- 09:45 Role of the intestinal microbiota in the development of type 1 diabetes.
  Mikael Knip, Institute of Clinical Medicine Children´s Hospital, Department of Paediatrics, University of Helsinki, Finland.

10:15 Coffee break

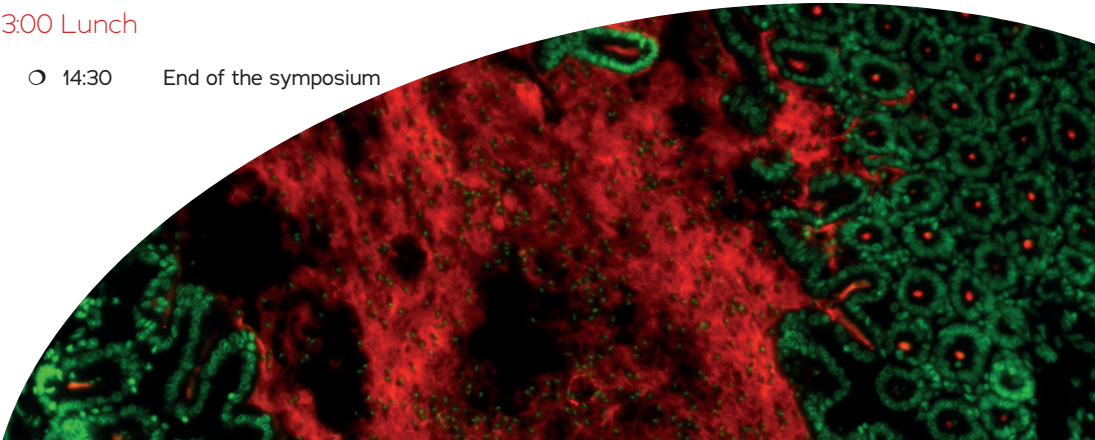
10:45 - 13:00 - Session 2: Mechanisms of microbiota influence on colonic cancer developement

Chairs: Mathias Chamaillard & Nicolas Barnich

- 10:45 Microbiota, Inflammation and colorectal cancer.
  Franck Housseau, John Hopkins Hospital Baltimore, USA.
- 11:15 Interplay between colorectal cancer and Escherichia coli: from cellular senescence to cancer drug resistance.
  Richard Bonnet, M2iSH, UMR Inserm/Université d'Auvergne U1071, USC INRA 2018, Clermont-Ferrand, France.
- 11:45 Autophagy and microbiota control intestinal stemness and tumorigenesis.
  Béatrice Romagnolo, Institut Cochin, Paris, France.
- 12:15 **ROUND TABLE** : Host-microbiota : current challenges and future directions.
  Nadine Cerf-Bensussan with **Andrew Macpherson**, **Gérard Eberl.**

13:00 Lunch

- 14:30 End of the symposium

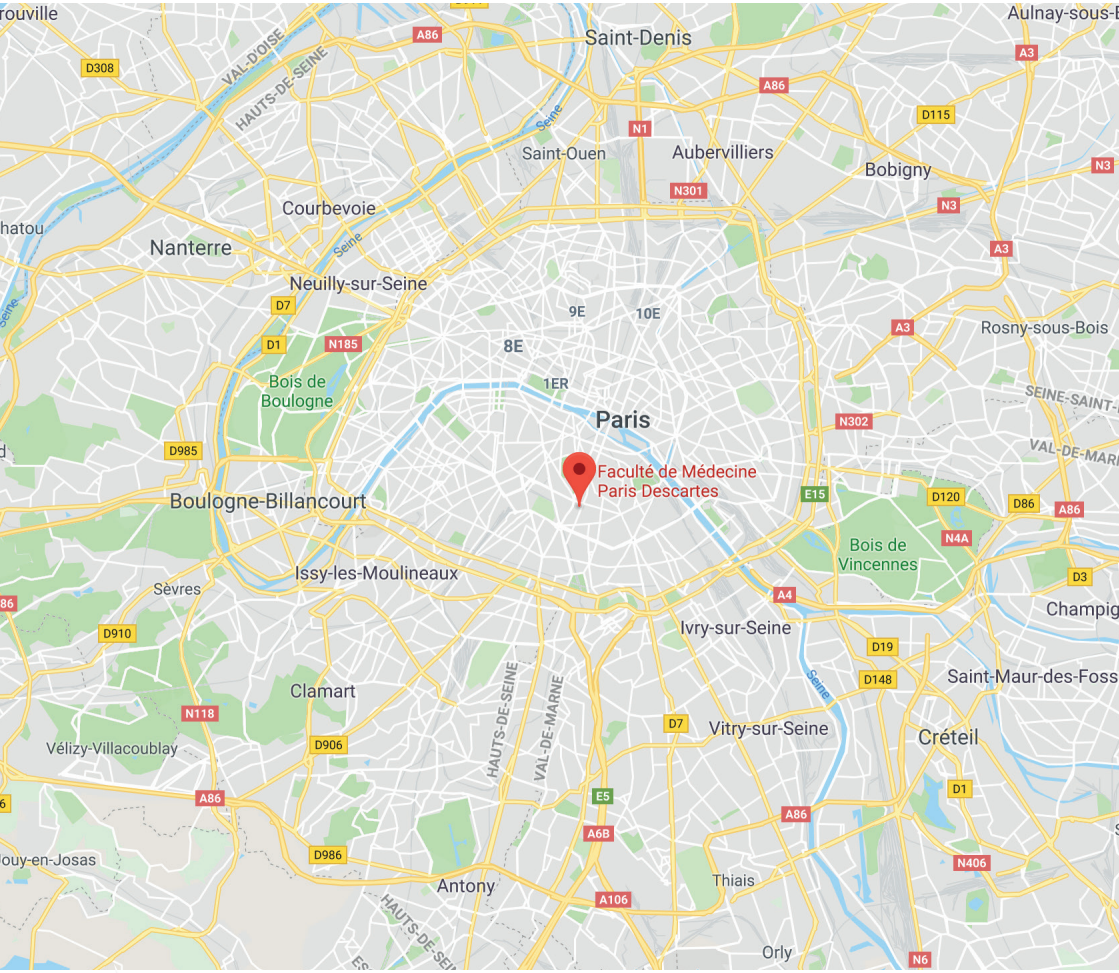


Venue

Amphithéâtre Luton, Faculté de Médecine,
24 rue du Faubourg Saint-Jacques,
75014 Paris, France
Métro Saint-Jacques – RER Port-Royal
Bus 38, 83, 91

Practical informations

Registration portal: www.institutcochin.fr
Deadline: September 30, 2018
Registration:
160€: non academics; 80€: academics (PhD students, ITA: free)
Email: journee-dreyfus.u1016@inserm.fr



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APEMM Association de prévention et d'études des maladies moléculaires

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