



COLLÈGE
DE FRANCE
—1530—

CHAIRE DE MÉDECINE EXPÉRIMENTALE
Alain FISCHER, Professeur

CHAIRE DE MICROBIOLOGIE ET MALADIES
INFECTIEUSES

Philippe SANSONETTI, Professeur

How host microbe coevolution forged the immune system

colloque en anglais

Monday, 15th of May, 2017

Amphithéâtre Marguerite de Navarre

Crédit: G. Menasche, Inserm, Institut Imagine

08h45 Introduction

09h00 Tracing the origins of infectious diseases using temporally discrete samples

Keynote lecture: Hendrik POINAR, *McMaster University, Hamilton*

09h40 A human-specific innate immunity system driven by the resistance to African trypanosomes

Etienne PAYS, *Université libre de Bruxelles*

10h10 The challenge of life in a bubble : how *Toxoplasma gondii* manipulates its host from inside a parasitophorous vacuole

John BOOTHROYD, *Stanford school of Medicine, Palo Alto*

10h40 Break

11h00 Genetic and evolutionary determinants of population variation in immune responses

Luis QUINTANA MURCI, *Institut Pasteur, Paris*

11h30 Disease tolerance

Miguel SOARES, *Institut Gulbenkian des Sciences, Oeiras*

12h00 Discussion

12h30 Lunch

14h00 The fly contribution to understanding host adaptation to microbes

Keynote lecture: Bruno LEMAITRE, *Ecole Polytechnique Fédérale de Lausanne*

14h40 Trained immunity : how microbes induce adaptation within innate host defense

Mihai NETEA, *Radboud University Medical center, Nijmegen*

15h10 Microbial imprinting

Yasmine BELKAID, *NIAID, Bethesda*

15h40 Break

16h00 Antibody diversification by DNA transposition

Antonio LANZAVECCHIA, *Institute for research in Biomedicine, Bellinzona*

16h30 Host-microbiota interactions across the gut immune system : an evolutionary trade-off ?

Nadine CERF BENSUSSAN, *Institut Imagine, Paris*

17h00 Discussion and conclusion

17h30 End of the meeting

Amphithéâtre Marguerite de Navarre

11, place Marcelin-Berthelot, 75005 Paris

<https://www.college-de-france.fr/site/alain-fischer/symposium-2016-2017.htm>

<https://www.college-de-france.fr/site/philippe-sansonetti/symposium-2016-2017.htm>

Alain PROCHIANTZ

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