

Invited speakers



Opening lecture:

John H REX, McGovern Medical School Houston, Texas



Session 1: Antimicrobial peptide resistance

Ruth MASSEY, University College Cork, Ireland



Session 2: Discovery and biosynthesis of antimicrobial peptides

Mohammad R. SEYEDSAYAMDOST, Princeton University, USA



Session 3: Innovation. Artificial Intelligence. Machine learning in Antimicrobial Peptides

Philip YONGXIN LI, University of Hong Kong, RP China



Session 4: Microbial Ecology, Microbes and interactions with their hosts

Sarah LEBEER, University of Antwerp, Belgium



Session 5: Peptide design and Bioengineering

Jean-Louis REYMOND, University of Bern, Switzerland



Session 6: Mechanism of action of Antimicrobial peptides

Markus WEINGARTH, Utrecht University, The Netherlands



Session 7: Vectorization/clinical environmental applications

Olivier LESHOUHAITIER, University of Rouen, France



Closing lecture:

Marilyn ANDERSON, Tröbe University, co-founder of Hexima, Australia

Scientific/Organizing Committee

Katy JEANNOT
Vincent HUMBLOT
Séverine ZIRAH
Céline LANDON
Yannick FLEURY

Michaël LAFOND
Gilles SUBRA
Javier PIZARRO-CERDA
Hélène BOURAS
Maider PAGADOY

Detailed Programme

Wednesday, November 18th

08h00-9h00: **Registration-Welcoming coffee**

09h00-9h15: **Opening Ceremony, Vincent Humblot & Katy Jeannot**

09h15-10h15: **Opening lecture** (45 min + 15 min) “*Tiny heroes for immense challenges: the next global challenge*”, invited speaker: **Pr John H REX** Chief Medical Officer, F2G Ltd, Operating Partner, Advent Life Sciences, Adjunct Professor of Medicine, McGovern Medical School, Houston, Texas

Chair: Pr Katy Jeannot (University hospital of Besançon, CNRS 6249 Chrono-environment, France)

10h15-10h45: Coffee break

Session I: Antimicrobial peptide resistance

Chairs: Pr Javier Pizarro (Institut Pasteur, Paris, France) & Pr Ruth Massey (University College Cork, Ireland)

10h45-11h25: (30 + 10 min) invited speaker: **Pr Ruth MASSEY**, University College Cork, Ireland

11h25-11h40: (10 + 5 min) abstract selection

11h40-11h55: (10 + 5 min) abstract selection

11h55-12h10: (10 + 5 min) abstract selection

12h10-12h15: *Flash Poster* (abstract selection) or *Flash Industry*

12h15-13h45: Lunch (Buffet)

Session II: Discovery and biosynthesis of antimicrobial peptides

Chairs: Pr Michaël Lafond (Aix-Marseille University – INRAE-BBF, Marseille, France) & Pr Mohammad R. Seyedsayamdost (Princeton University, USA)

13h45-14h25: (30 +10 min) invited speaker: **Pr Mohammad R. SEYEDSAYAMDOST**, Princeton University, USA

14h25-14h40: (10 + 5 min) abstract selection

14h40-14h55: (10 + 5 min) abstract selection

14h55-15h10: (10 + 5 min) abstract selection

15h10-15h25: (10 + 5 min) abstract selection

15h25-15h40: (10 + 5 min) abstract selection

15h40-15h45: *Flash Poster* (abstract selection) *or Flash Industry*

15h45-16h15: Coffee break

Session III: Innovation, Artificial Intelligence, Machine learning in Antimicrobial Peptides

Chairs: Pr Sylvie Rebuffat (National Museum of Natural History, Paris, France) & Pr Philip Yongxin Li (University of Hong Kong, RP China)

16h15-16h55: (30 +10 min) invited speaker: **Pr Philip YONGXIN LI**, Department of Chemistry, The University of Hong Kong

16h55-17h10: (10 + 5 min) abstract selection

17h10-17h25: (10 + 5 min) abstract selection

17h25-17h40: (10 + 5 min) abstract selection

17h40-17h45: *Flash Poster* (abstract selection) *or Flash Industry*

18h00-20h00: Poster Session Wine & Cheese (*Espace Grammont*)

Thursday, November 19th

8h00-8h45: Meet the experts: session dedicated to *Master students, PhD students, and postdoctoral researchers* (young researcher session). This session will be organized in collaboration with master's students from Marie and Louis Pasteur University

Chair: Dr H el ene Bouras

Session IV: Microbial Ecology, Microbes and interactions with their hosts

Chairs: Pr S everine Zirah (National Museum of Natural History, Paris, France) & Pr Sarah Lebeer (University of Antwerp, Belgium)

8h45-9h25: (30 +10 min) Invited speaker: **Pr Sarah LEBEER**, University of Antwerp, Belgium

9h25-9h40: (10 + 5 min) abstract selection

9h40-9h55: (10 + 5 min) abstract selection

9h55-10h10: (10 + 5 min) abstract selection

10h10-10h15: *Flash Poster* (abstract selection) *or Flash Industry*

10h15-10h45: Coffee break

Session V: Peptide design and Bioengineering

Chairs: Pr Gilles Subra (University of Montpellier, France) & Pr Jean-Louis Reymond (University of Bern, Switzerland)

10h45-11h25: (30 +10 min) *invited speaker: Pr Jean-Louis REYMOND*, University of Bern, Switzerland

11h25-11h40: (10 + 5 min) abstract selection

11h40-11h55: (10 + 5 min) abstract selection

11h55-12h10: (10 + 5 min) abstract selection

12h10-12h15: *Flash Poster* (abstract selection) *or Flash Industry*

12h15-13h15: Lunch box

13h00-13h15: Bus Arbois Tourisme, departure 13H15

14h00-18h30: Social activity, Departure towards Arbois (natal village of Pasteur), degustation of wines (Fruitière vinicole Arbois).

20h00: Gala at the Vauban's Citadel

Friday, November 20th

8h00-8h45: Meet the experts: session dedicated to *Master students, PhD students, and postdoctoral researchers*

Chair: Dr H el ene Bouras

Session VI: Mechanism of action of Antimicrobial peptides

Chairs: Dr C eline Landon (CNRS, Orl ans, France) & Pr Markus WEINGARTH (Utrecht University, The Netherlands)

8h45-9h25: (30 +10 min) *invited speaker : Pr Markus WEINGARTH*, Utrecht University, The Netherlands

9h25-9h40: (10 + 5 min) abstract selection

9h40-9h55: (10 + 5 min) abstract selection

9h55-10h10: (10 + 5 min) abstract selection

10h10-10h15: *Flash Poster* (abstract selection) *or Flash Industry*

10h15-10h45: Coffee break

Session VII: Vectorization/clinical, environmental applications

Chairs: Dr Vincent Humblot, (FEMTO-ST Institute, CNRS & Marie et Louis Pasteur University, Besan on, France) & Pr Olivier Leshouhaitier (University of Rouen, Evreux, France)

10h45-11h25: (30 +10 min) *invited speaker : Pr Olivier LESHOUHAITIER*, University of Rouen, Evreux, France

11h25-11h40: (10 + 5 min) abstract selection

11h40-11h55: (10 + 5 min) abstract selection

11h55-12h10: (10 + 5 min) abstract selection

12h10- 13h10: *Closing lecture* (45 min + 15 min) invited speaker : **Pr Marilyn ANDERSON**, Trobe University, co-founded HEXIMA, Member of the Australia Academy of Science, Melbourne, Australia

Chair: Dr Vincent Humblot, (FEMTO-ST Institute, CNRS & Marie et Louis Pasteur University, Besançon, France)

13h10-13h30: *Awards (Oral & Poster) (Scientific committee) & Conclusions* (Dr Vincent Humblot)

13h30: Lunch box

13h30-14h: Departure