



Challenges and new concepts in antibiotics research

Mars 19 – 21, 2018

Institut Pasteur

Conference Center (C. I. S.)

<http://www.amr-2018.org/>

Programme

MONDAY, MARCH 19	
10h00 – 17h00	Registration
15h00	Welcome addresses and opening Stewart Cole , General Director, Institut Pasteur, Paris France Philippe Sansonetti , LabEx IBEID, Institut Pasteur, France
15h30 – 16h	Introductory lecture Marc Sprenger , Director, Antimicrobial Resistance Secretariat, WHO "The AMR Crisis: a WHO perspective"
16h00 – 16h45	Key note speaker Sharon Peacock (University of Cambridge, UK) "Are bacterial pathogens isolated from animals a common cause of drug-resistant infection in humans?"
16h45 - 17h15	Coffee break
17h15 – 19h15	Antibiotic resistance – a one health context Chair: Kamini Walia (Indian Council of Medical Research, India) Title to be announced Frank Møller Aarestrup (Technical University of Denmark, Lyngby, DK) Title to be announced Tim Walsh (Cardiff University, Cardiff, UK) Title to be announced Two talks selected from abstract
19h15	Welcome Reception at Institut Pasteur

TUESDAY, MARCH 20	
8h45 – 10h25	Resistance and virulence Chair:
	Nassos Typas (EMBL, Heidelberg, DE) "Drugs, bugs and chemical genetics: unraveling unexplored relationships" Sophie Helaine (Imperial College London, UK) Title to be announced Two talks selected from abstract
10h25 – 10h55	Coffee break
10h55 – 12h35	Antibiotics, microbes and models Chair
	Sebastian Bonhoeffer (ETH Zürich, CH) "An old challenge and some new concepts: a dynamical perspective on antibiotic resistance evolution" Martin Blaser (NYU School of Medicine, New York, US) "The antibiotic paradox" Two talks selected from abstract
12h35 – 14h00	Lunch at Institut Pasteur
14h00 – 15h00	Poster Session – Cafe and dessert
15h00 – 16h45	Dissemination of antibiotic resistance Chair:
	Marie-Cécile Ploy (INSERM, Limoges, FR) "Antibiotic resistance: the necessary balance between expression and acquisition?" Dan Andersson (Uppsala University, SE) Title to be announced Two talks selected from abstract
16h45 - 17h15	Coffee break
17h15 – 19h15	Developing new drugs: academic and industrial innovations Chair:
	Key note speaker Stewart Cole (Institut Pasteur, Paris FR & EPFL, Lausanne, CH)

	Round table: Public–private partnership for New Antibiotics
20h00	Conference Diner at Maison des Polytechniciens
WEDNESDAY, MARCH 21	
8h45 – 10h25	Mechanisms of resistance Chair:
	Nathalie Balaban (The Hebrew University; Jerusalem, IL) "Evolution under intermittent antibiotic exposure: interplay between tolerance and resistance" Jean-Marc Ghigo (Institut Pasteur, Paris, FR) Title to be announced 2 talks selected from abstract
10h25 - 10h55	Coffee break
10h55 – 12h45	Molecular machines and new targets Chair:
	Nora Vazquez-Laslop (Urbana University, Urbana, US) "Context specific mode of action of ribosomal antibiotics" Michel Arthur (INSERM, Paris, FR) "Non-conventional strategies to fight β -lactam-resistant bacteria" Pei Zhou (Duke University, Durham, US) Title to be announced 1 talks selected from abstract
12h45 - 14h00	Lunch at Institut Pasteur
14h00 – 15h15	Poster session – Cafe and dessert
15h15 – 16h30	Finding new antibiotics Chair:
	Key note speaker Kim Lewis (Northeastern University, Boston, US) "The Antibiotic Discovery Challenge" One Invited speaker
16h30 - 17h00	Coffee break

17h00 – 19h	<p>Conventional and non-conventional strategies to fight resistant bacteria</p> <p>Chair:</p>
	<p>Priscile Brodin (Insitut Pasteur, Lille, Fr) Title to be announced</p> <p>Roy Kishony (TECHNION, Haifa, IL) Title to be announced</p> <p>David Bikard (Institut Pasteur, Paris, FR) CRISPR tools to study and fight pathogenic bacteria 2 talks selected from abstract</p>
19h	<p>Closing remarks</p> <p>Pascale Cossart, LabEx IBEID, Institut Pasteur, France</p> <p>Closing Cocktail</p>