



ibeid

integrative biology
of emerging
infectious diseases

From AMR to Emerging Threats: Understanding Pathogens for Effective Control

A Joint Symposium by Pasteur 2030 Priority Axis 1 & Labex IBEID

Keynote speakers

Jean-Yves Madec National Reference Lab AMR animal, Anses

Katharina Schaufler Helmholtz Centre for Infection Research

Invited Speakers

Manuel Ares Arroyo Institut Pasteur

Zeynep Baharoglu IBPC CNRS, Institut Pasteur

David Bikard Institut Pasteur, Eligo Bioscience

Philip Brandt Institut Pasteur

Elena Capuzzo Institut Pasteur

Sabine Delannoy Anses

Christophe d'Enfert Institut Pasteur

Imane El Méouche IAME UMR1137

Jean-Marc Ghigo Institut Pasteur

Léo Hardy IBPC CNRS, Institut Pasteur

Sonia Nicchi Institut Pasteur

Carla Rodrigues Helmholtz Centre for Infection Research

François-Xavier Weill NRC Vibrios and Cholera, Institut Pasteur

Anne Marie Wehenkel Institut Pasteur

Scientific organizing committee

Zeynep Baharoglu, Aude Bernheim, Emilie Boutet, Sylvain Brisse,
Philippe Glaser, Cyril Renassia, Olivier Schwartz

Amphithéâtre Duclaux

Institut Pasteur, 28 rue du Docteur Roux, 75015 Paris



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Ecole nationale vétérinaire d'Alfort



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Program

9:00 **Philippe Bastin & Zeynep BAHAROGLU** | Scientific coordinator Labex IBEID and PA1 co-leader
Opening

1st Session – Public Health, emerging threats and surveillance

- 9:10 **Keynote speaker: Jean-Yves Madec** | National Reference Lab AMR animal, Anses, France
To be announced
- 9:50 **François-Xavier Weill** | Labex IBEID, NRC Vibrios and Cholera, Institut Pasteur
Identification and monitoring of a highly drug-resistant strain of *Vibrio cholerae* O1 El Tor
- 10:10 **Carla Rodrigues** | Labex IBEID, NRC whooping cough and other Bordetella Infections, Institut Pasteur
Emergence of macrolide-resistant *Bordetella pertussis* in France, 2024: out of China?
- 10:30 **Sabine Delannoy** | Anses
Screening for antimicrobial resistance genes using high-throughput qPCR arrays across the One Health continuum
- 10:50 **Coffee Break**

2nd Session – Understanding the pathogens mechanisms

- 11:10 **Imane El Meouche** | IAME UMR1137
E. coli antibiotic tolerance and cell division in urinary tract infections.
- 11:30 **Zeynep Baharoglu** | IBPC CNRS, Institut Pasteur
Epitranscriptomic control of antibiotic response and host adaptation
- 11:50 **Christophe d'Enfert** | Labex IBEID, Institut Pasteur
Fighting antifungal resistance in pathogenic yeasts
- 12:10 **Lunch**

3rd Session – Fighting pathogens

- 13:40 **Keynote speaker: Katharina Schaufler** | Heimholtz Research Centre for Infection, Germany
When resistance meets virulence: convergence and fitness trade-offs in *Klebsiella pneumoniae*
- 14:20 **Anne Marie Wehenkel** | Institut Pasteur
Morphology based assay for cell cycle research and antimycobacterial drug discovery
- 14:40 **Elena Capuzzo** | Labex IBEID, Institut Pasteur
Control of *Staphylococcus aureus* infection in burn wounds by physical plasma

4th Session – Young Talents, Pasteur-Roux Cantarini Fellows

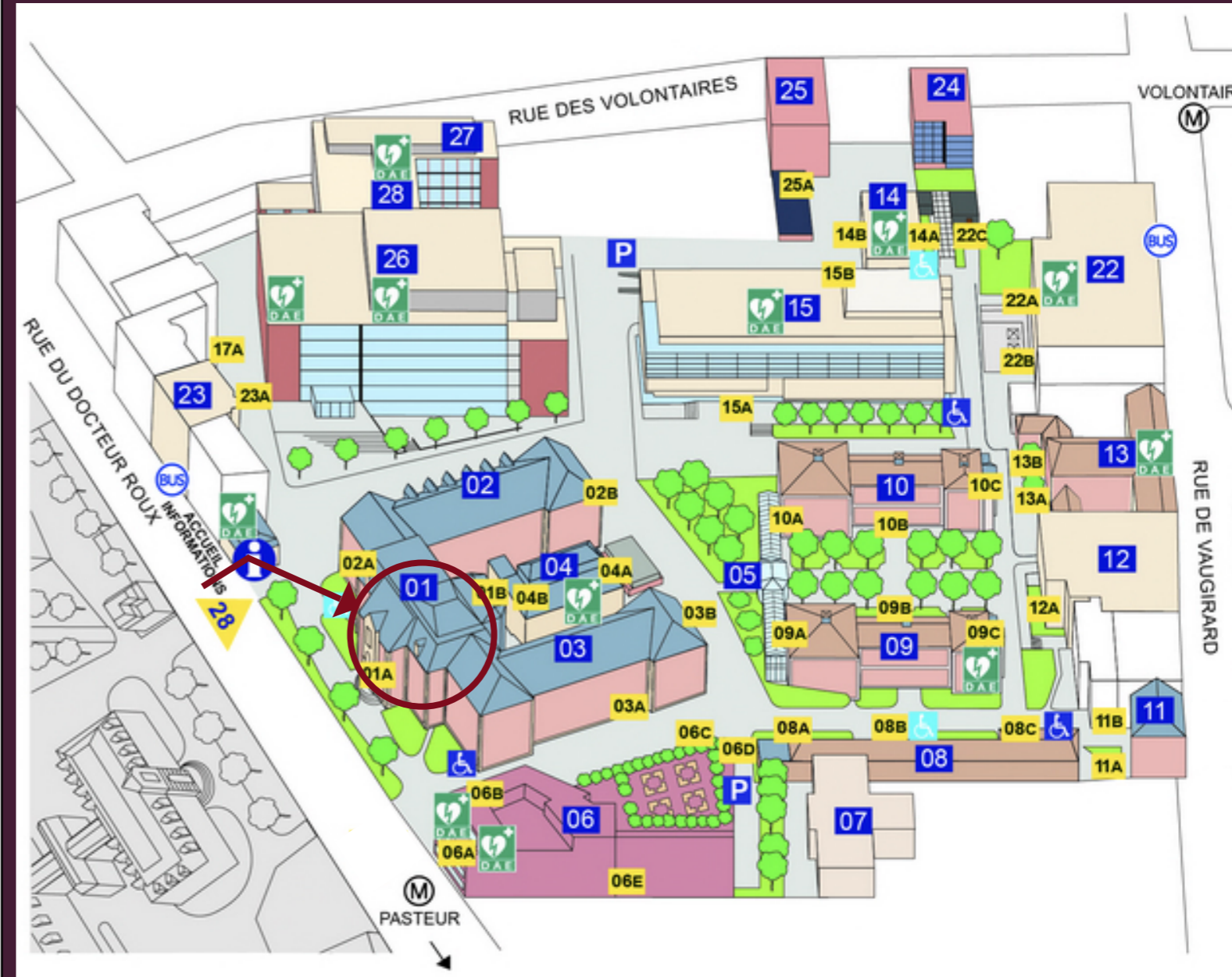
- 15:00 **Manuel Ares Arroyo** | Labex IBEID, Institut Pasteur
Mobility mechanisms of genomic islands driving pathogenicity and antimicrobial resistance
- 16:10 **Léo Hardy** | IBPC CNRS, Institut Pasteur
Molecular basis of the effects of ribosomal RNA epitranscriptomic changes on antibiotic tolerance
- 16:20 **Philipp Brandt** | Labex IBEID, Institut Pasteur
Unraveling aneuploidy control mechanisms in the major fungal pathogen *Candida albicans* and their impact on antifungal drug resistance

15:30 **Coffee Break**

5th Session – Innovative approaches & clinical applications

- 16:00 **Jean-Marc Ghigo** | Labex IBEID, Institut Pasteur
Pharmalock/Cath-GE: a new approach for the conservative treatment of biofilm infections in long-term intravenous catheters
- 16:20 **David Bikard** | Labex IBEID, Institut Pasteur, Eligo Bioscience
Genetic Perturbation of Gut Bacteria with Engineered Phage Vectors and CRISPR
- 16:40 **Sonia Nicchi** | Labex IBEID, Institut Pasteur
Bacterial targeting of host paraspeckles uncovers a new SFPQ-based regulation
- 17:00 **Carla Saleh & Olivier Schwartz**, Scientific coordinator Labex IBEID and PA1 co-leader
Conclusions

Infos



Registration



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