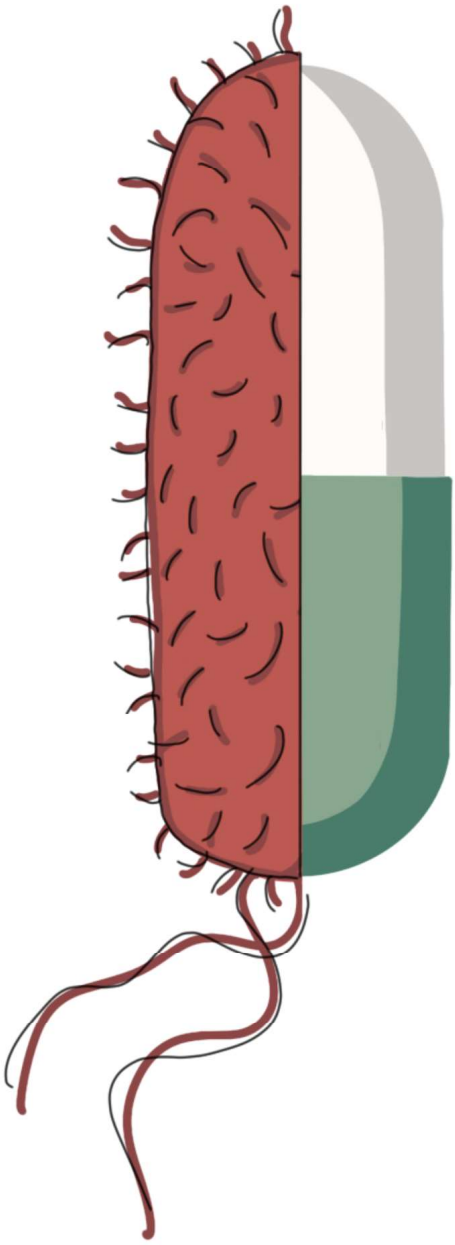


# FLAMR · 26

## III SYMPOSIUM

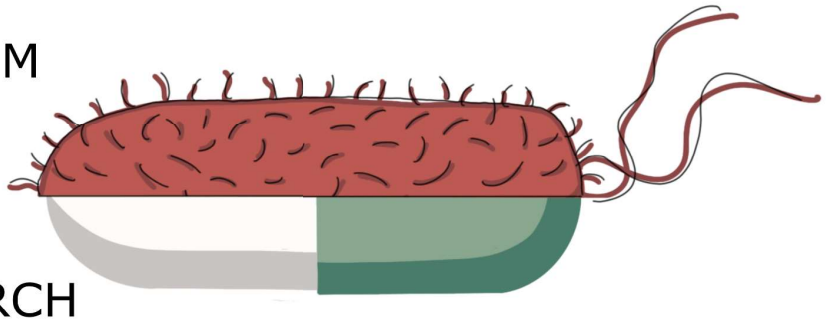
## FUTURE LEADERS IN AMR RESEARCH

**20 November 2026 · Ramón y Cajal Hospital**

**Joaquín Ortuño Assembly Room · Piramidín Building (1st floor)**

# III SYMPOSIUM

# FUTURE LEADERS IN AMR RESEARCH



Welcome to the third edition of the Future Leaders in AMR Research Symposium.

Antimicrobial resistance (AMR) remains a major global health challenge, requiring innovative approaches and a deeper understanding of the biological and ecological processes shaping interactions between microbes, their hosts, and their environments. Addressing this challenge means investigating not only the emergence and spread of resistance, but also pathogen behaviour, microbial communities, and alternative strategies to prevent and manage infections.

FLAMR provides a space for early-career researchers to present their work, exchange ideas, and foster collaborations across complementary areas of AMR research. This edition brings together diverse research topics, offering opportunities for scientific discussion, new perspectives, and connections that may develop into future collaborations.

We thank all speakers and participants for contributing to FLAMR 26 and hope the workshop proves engaging and productive, helping strengthen the next generation of AMR researchers.

Welcome to FLAMR 26!

**Organizing Committee:** Ana Elena Pérez Cobas, Carmen de la Vega, Cristina Herencias, João Alves Gama, Jerónimo Rodríguez-Beltrán, Rocío Fernández

**Logo by:** Alicia Calvo Villamañán

**10:00 · Welcome Address**

**10:00 – 11:15 · Session 1 · Resistance in Transit**

Chairs: Laura Álvaro & Jorge Sastre

| | | |
|---|---|---|
| 10:00 | Ada Muñoz | *A hat or an elephant? The distribution of plasmid fitness effects across bacterial hosts*. |
| 10:15 | Laura Ortiz Miravalles | *Impact of integron-borne antibiotic resistance cassettes on plasmid stability* |
| 10:30 | Alba Royo | *Complexity, heterogeneity, and genetic architecture of carbapenemase gene-carrying plasmids in* Citrobacter spp |
| 10:45 | Sandra Martínez | *Molecular interactions in a multi-plasmid* E. coli *collection* |
| 11:00 | Carolina López | *Bacterial mercury resistance reveals a robust species-structured human antimicrobial mobilome* |

**11:15 – 12:00 · Coffee Break**

**12:00 – 13:00 · Session 2 · Microbes Gone Rogue**

Chairs: Amalia Prieto & Iván Linares

| | | |
|---|---|---|
| 12:00 | Marina Amores | *When antibiotics fail: an evolutionary and ecological perspective* |
| 12:15 | Sandra Mingo | *Guardian or threat? The microbiome in the critically ill patient* |
| 12:30 | Astrid Heinrich | *Ecological and metabolic drivers of high-risk clones in the human gut niche* |
| 12:45 | Ainoa Paredes | *Multi-carbapenemase producing Enterobacterales: a new threat in the antimicrobial resistance scenario* |

**13:00 – 13:45 · Plenary Talk: Ana Alastruey Izquierdo**

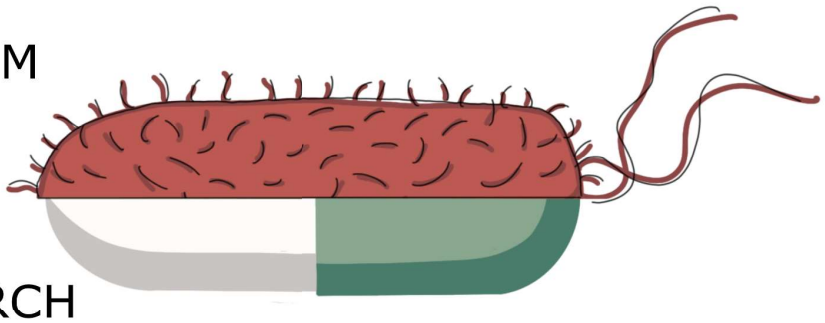
**"Antifungal resistance: Bringing fungal diseases into the global AMR agenda"**

**13:45 – 14:00 · Prizes & Closing Address**

**14:00 · Closing Address**

III SYMPOSIUM

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