

AMS Certificate Programme

Maths against antimicrobial resistance

Orléans, France

October 2026



Maths against antimicrobial resistance

Orléans, France



Faculty Members

France	Salam Abbara
France	Guillaume Beraud
France	Aurélien Dinh
France	Olivier Epaulard
France	Emmanuel Faure
France/Australia	Matthieu Gregoire
France	Eric Kipnis
Australia	Amy Legg
France	Pierre Lévy
UK	Tim Rawson
France	Etienne Ruppé
Australia	Jason Trubiano
Canada	Louis Valiquette

Day 1 October 2026

09:00 – 09:30	Welcome
09:30 – 10:00	Optimized PK/PD as a tool for AMS Amy Legg
10:00 – 10:30	Therapeutic drug monitoring (TDM) Limits: What am I really dosing? Matthieu Gregoire
10:30 – 11:15	Practical dose optimization in ICU Eric Kipnis
11:15 – 12:00	Practical application of TDM: The limits and the big mistakes: Interactive cases of daily practice as AMS referee in your hospital Emmanuel Faure
12:00 – 14:00	Lunch
14:00 – 14:30	Vaccine as an AMS tool Olivier Epaulard
14:30 – 15:00	A practical example of IT implementation for AMS Louis Valiquette
15:00 – 15:30	A comprehensive review of IT resources for AMS Tim Rawson
15:30 – 16:00	Shorter, lighter etc, When and how to not follow guidelines: A practical guide Aurélien Dinh
16:00 – 16:30	Break
16:30 – 17:00	AMS beyond antibiotics: Practical example from Herpesviridae, HIV and fungi Guillaume Beraud & Emmanuel Faure
17:00 – 17:30	Big data and AI to tackle AMR Salam Abbara
17:30 – 18:00	Conclusion of the first day Guillaume Beraud & Emmanuel Faure
18:30	Social event

Day 2 October 2026

09:00 – 10:00	Antimicrobial allergy: Diagnostic and de-labelling as a tool for AMS Jason Trubiano
10:00 – 10:30	Statistical methods to assess AMS interventions Guillaume Beraud
10:30 – 11:00	Break
11:00 – 11:30	Assessing the antibiotic impact on the microbiome: What use for antimicrobial stewardship Etienne Ruppé
11:30 – 12:00	How to estimate cost-efficiency of AMS Pierre Levy
12:00 – 12:30	Conclusions of the seminar Guillaume Beraud & Emmanuel Faure

Sponsors and supporters



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