



EPASG

ESCMID PK/PD
OF ANTI-INFECTIVES
STUDY GROUP

European Society of Clinical Microbiology and Infectious Diseases



Objectives

- Encourage the study and advancement of the science of **pharmacodynamics, pharmacokinetics** and the dosing of anti-infectives.
- Contribute to studies about prevention of development of **resistance**.
- Provide a united European **forum** for scientists and health care providers actively involved in this area.
- Promote **awareness** of the importance of exposure/effect relationships and thus optimal dosing for efficacy, clinical outcome and resistance prevention.
- Provide an opportunity for **training** and encouragement of scientists/physicians and related groups by means of scientific **communication** at conferences, educational workshops, special symposia, and publications.
- Offer advice and the opportunity for **sharing expertise** among countries, other ESCMID study groups and international societies as well as regulatory agencies and other government authorities, e.g. EMEA.

Committee members

Board members (2014-)

- Chair:  William Couet (France)
william.couet@univ-poitiers.fr
Main Research focus: Tissue distribution and PKPD modelling of antibiotics.
- Secretary:  Jason Roberts (Australia)
j.roberts2@uq.edu.au
Main Research focus: Optimization of antibiotic dosing in the critically ill.
- Treasurer:  Elisabet Nielsen (Sweden)
elisabet.nielsen@farmbio.uu.se
Main Research focus: Mechanism-based PKPD modelling of antibiotics.

Advisor: Ursula Theuretzbacher (Austria)

Inaugural committee (Funded 2010):

Otto Cars (Sweden), Nils Frimødt-Møller (Denmark), Alisdair MacGowan (United Kingdom), Johan Mouton (the Netherlands), Ursula Theuretzbacher (Austria), Paul Tulkens (Belgium)

Highlights 2014

Workshops and courses:

- ESCMID Conference on Reviving Old Antibiotics, Oct 2014, Vienna.
- Advanced Antimicrobial Pharmacokinetic and Pharmacodynamic Modelling and Simulation, Oct 2014, Liverpool.
- Infection Management in the Elderly: Room for Improvement, Oct 2014, Annecy, in conjunction with ESCMID Study Group ESGIE.
- Bringing PK and PD in Fungal Infections into the Clinic, Jul 2014, Nijmegen, in conjunction with ESCMID Study Group EFISG.

Publications:

- Roberts JA, et al. Individualised antibiotic dosing for patients who are critically ill: challenges and potential solutions. *Lancet Infect Dis.* 2014;14(6):498-509.
- Theuretzbacher U. Product information for parenteral colistin varies substantially across Europe. *J Antimicrob Chemother.* 2014;69(7):1987-92.
- Roberts JA. Therapeutic drug monitoring of antibiotics--author's reply. *Lancet Infect Dis.* 2014;14(12):1181.

Activities 2015

Workshops and courses:

- Moving antimicrobial stewardship forward in special patient populations, **Oct 2015**, Ferney-Voltaire, France
- Improving the Dosage of Old Antibiotics, **29 Nov - 1 Dec 2015**, Nijmegen, Netherlands

EPASG Study Grant – New!!

The grant is intended to foster collaboration across laboratories and help mentoring of young investigators who wish to spend some time in a laboratory that can provide additional education/training that is not available locally.

EPASG @ ECCMID 2015

- Sat 25 April, 11:00-13:00. Educational Workshop: Basic concepts of pharmacokinetics and pharmacodynamics.
- Sat, 25 April, 16:30-18:30. Symposium: Resurrecting old antimicrobial agents.
- Sun 26 April, 14:30-15:30. Symposium: Can PK/PD provide all the answers for breakpoints & antibiotic dosing? Pro-Con Debate.
- **Sun 26 April, 18.15-19.15. Hall M. EPASG Business Meeting**
- Mon 27 April, 7:45-8:45. Meet-the-Expert: How to adapt dosing in critically ill patients.
- Tue 28 Apr, 7:45-8:45. Meet-the-Expert: How to organise and implement antimicrobial therapeutic drug monitoring.
- Tue 28 Apr, 9:00-11:00. Symposium: Cutting-edge issues in translational pharmacodynamics and personalised antimicrobial therapy.

Join EPASG

EPASG is open to all who are interested PKPD of anti-infectives!

How to join:

1. Become member of ESCMID (any member category)
2. Log in and join EPASG (no additional membership fee)