Target Audience
30 – 60 microbiologists, clinical infectious disease specialists, or other healthcare professionals with interest in individualized medicine in infectious diseases.

Faculty Members
Marylyn Addo, Hamburg, Germany
Pierre-Yves Bochud, Lausanne, Switzerland
Werner Albrich, Basel, Switzerland
Marc Bonten, Utrecht, Netherlands
William Hope, Liverpool, United Kingdom
Angela Huttner, Geneva, Switzerland
Benedikt Huttner, Geneva, Switzerland
Leonard Leibovici, Tel Aviv, Israel
Surbhi Malothra-Kumar, Antwerp, Belgium
Dominique Monnet, Solna, Sweden
Mical Paul, Haifa, Israel
Silke Peter, Tübingen, Germany
Evelina Taconelli, Tübingen, Germany
Andrew Ullman, Würzburg, Germany
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Course Objectives
Participants of this course will:
• Understand the pharmacokinetic and epidemiologic heterogeneity in patient populations, including those traditionally excluded from clinical studies such as the critically ill, the elderly, those with renal insufficiency, the obese, and female patients
• Understand the clinical implications of variations in local epidemiology, microbiota, and regional perceptions regarding antimicrobial use
• Explore the clinical evidence for recommended durations of antimicrobial therapy
• Identify existing tools for individualized diagnostics and therapy, such as:
  – Point-of-care diagnostics
  – Therapeutic drug monitoring of antimicrobials
  – Web-based software for individualized dosing with Bayesian adaptive feedback
  – Non-antibiotic approaches to therapy, such as delayed prescription, vaccination and antibody therapy
• Explore the cognitive biases that can impede accurate diagnosis in various populations
• Explore the ethical dilemmas in antimicrobial decision-making (the individual versus society)
Friday, 3 June 2016

08:45 Registration
09:00 Introduction. “Patients like mine” – problems & solutions.
   Angela Huttner

Session 1
Individualized epidemiology
09:10 Know your local epidemiology and the tools for keeping tabs on it.
   Dominique Monnet
09:40 Know your patient’s risks I: sex-based and other differences in infectious disease pathogenesis and immunity.
   Marylyn Addo
10:10 Know your patient’s risks II: learning your patient’s pharmacokinetics – as much as possible.
   William Hope
10:40 Coffee break

Workshop 1
15:00 Interactive session: proposals for research projects on individualized therapy in infectious diseases to be discussed with experts (I)

Session 3
A pound of prevention – tailored to your patient
   Angela Huttner
14:00 Individualized infection control measures: are they possible?
   Andreas Widmer
14:30 Coffee break

Saturday, 4 June 2016

Session 1
Towards individualized therapy of infections
09:00 Special populations: the immunosuppressed, the critically ill, and others.
   Andrew Ullman
09:30 Duration of therapy: from arbitrary numbers to biomarker- and algorithm-based guidance.
   Werner Albrich
10:00 Individualized PK/PD approaches to antimicrobial therapy.
   William Hope
10:30 Coffee break
11:00 The impact of antimicrobial resistance on clinical daily prescribing.
   Evelina Tacconelli

Workshop 2
15:30 Interactive session: proposals for research projects on individualized therapy in infectious diseases to be discussed with experts (II)

17:00 Concluding remarks

Organization

Course Venue
Universitätsklinikum Tübingen
Otfried-Müller-Strasse 12
72076 Tübingen
Germany

Registration Procedure
Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 20 May 2016.

Registration Fee
EUR 400 for ESCMID members (Full Membership/Young Scientist Membership)
EUR 450 for all others

The registration fee includes the scientific sessions, printed course material, lunches (day 1 and 2) and coffee breaks. Travel and accommodation are not included.

Attendance Grants
ESCMID provides a number of attendance grants for ESCMID “young scientist members”. The grant covers the registration fee. Travel and accommodation are not included. Please apply via the ESCMID website at www.escmid.org/education before 15 April 2016. Applicants will be informed about their acceptance by 29 April 2016.

CME Accreditation
The organizers of the course will apply for European CME accreditation through EACCME.