

**Thursday - Saturday September 9-11, 2004; World Conference-Program**

**Thursday September 9, 2004**

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**02:00 PM Session 1: The basis of antiinfective treatment**

- 02:00 PM Pharmacokinetics and tissue penetration of antiinfectives  
O. Cars, Uppsala, Sweden
- 02:20 PM Extra vs. intracellular penetration of antiinfectives  
P. Tulkens, Louvain, Belgium
- 02:40 PM Microdialysis studies in healthy volunteers and patients  
M. Müller, Vienna, Austria
- 03:00 PM In vitro and in vivo models of infection  
W.A. Craig, Madison, USA
- 03:20 PM Summary and discussion by chairmen

**03:30 PM Coffee Break**

Sponsors' booths  
Paul-Ehrlich-Exhibition  
Ehrlich dye laboratory

**04:00 PM Session 2: Principles of dosing and methods of individualization**

- 04:00 PM Why sex and age are unimportant – a pharmacokinetic perspective  
N. Holford, Auckland, New Zealand
- 04:20 PM Drug monitoring to optimize therapy  
R. Jelliffe, Los Angeles, USA
- 04:40 PM PK/PD Optimization of antiinfectives by adaptive feedback control  
A. Forrest, Buffalo, USA
- 05:00 PM Population PK and Monte Carlo Simulation  
G.L. Drusano, Albany, USA
- 05:20 PM Summary and discussion by chairmen

**05:30 PM End of presentations on Thursday**

**06:00 PM Opening Ceremony at the Althoff - Frerich Hall**

**07:45 PM Reception at the Ehrlich Plaza**

**Friday                      September 10, 2004**

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**07:00 AM**

Registration

Sponsors' booths  
Paul-Ehrlich-Exhibition  
Ehrlich dye laboratory

**08:00 AM**

**Session 3: Antiinfectives' drug development and regulatory processes**

08:00 AM            Guidelines of FDA and EMEA for clinical studies  
H. Kemmler, Bern, Switzerland

08:20 AM            Predicting drug interactions  
L.Z. Benet, San Francisco, USA

08:40 AM            Adverse events and antiinfectives' drug interactions –  
lessons of the last 20 years  
R. Stahlmann, Berlin, Germany

09:00 AM            Summary and discussion by chairmen

**09:10 AM**

**Coffee break**

Sponsors' booths  
Paul-Ehrlich-Exhibition  
Ehrlich dye laboratory

**09:30 AM**

**Session 4: Antifungals and antivirals**

09:30 AM            Antifungals  
A. Louie, Albany, USA

09:55 AM            Antivirals  
G.L. Drusano, Albany, USA

10:20 AM            Summary and discussion by chairmen



**Friday                      September 10, 2004**

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**02:05 PM                      Session 5: Special populations and clinical pharmacodynamics**

- 02:05 PM                      Dosing issues in neonates and children  
J.N. v. d. Anker, Washington, USA
- 02:25 PM                      Dosing of antiinfectives in special populations  
H. Derendorf, Gainesville, USA
- 02:45 PM                      Dosing guidelines in patients with renal replacement  
F. Thalhammer, Vienna, Austria
- 03:05 PM                      Summary and discussion by chairmen

**03:20 PM                      Session 6: Treatment of infection according to site of infection**

- 03:20 PM                      Dosing of antibiotics in skin and soft tissue infections  
W. Graninger, Vienna, Austria
- 03:40 PM                      Dosing of antibiotics in urinary tract infections  
K.G. Naber, Straubing, Germany
- 04:00 PM                      Dosing of antibiotics in respiratory tract infections  
H. Lode, Berlin, Germany
- 04:25 PM                      Sepsis and other difficult conditions  
T. Welte, Hannover, Germany
- 04:45 PM                      Summary and discussion by chairmen

**05:00 PM                      End of presentations on Friday**

**07:00 PM                      Ceremonial Gala Evening to celebrate Paul Ehrlich's 150<sup>th</sup> Birthday  
(ends 11:30 PM)**

**Saturday      September 11, 2004**

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**07:00 AM      Registration**

Sponsors' booths  
Paul-Ehrlich-Exhibition  
Ehrlich dye laboratory

**08:30 AM      Session 7: Dosing of antiinfectives**

- 08:30 AM      Hepatitis C – dosing regimens  
S. Rossol, Rüsselsheim, Germany
- 08:50 AM      Anti-tuberculosis treatment  
R.S. Wallis, Newark, USA
- 09:10 AM      Preventing antimalarial resistance  
N. White, Bangkok, Thailand
- 09:30 AM      Treatment and dosing of *Helicobacter pylori* infection –  
when pharmacology meets clinic  
P. Malfertheiner, Magdeburg, Germany
- 09:50 AM      Summary and discussion by chairmen

**10:00 AM      Coffee break**

Paul-Ehrlich-Exhibition  
Colors and art – artists use Ehrlich's colors  
Ehrlich dye laboratory

**10:15 AM      Session 8: Views in PK/PD and controversies**

- 10:15 AM      Vancomycin – Clinical pharmacodynamics in hospitalized patients  
J.J. Schentag, Buffalo, USA
- 10:35 AM      Protein binding – a microbiologist's view  
B. Wiedemann, Bonn, Germany
- 10:50 AM      Protein binding – a pharmacologist's view  
H. Derendorf, Gainesville, Florida
- 11:05 AM      Can resistance be prevented?  
P.C. Appelbaum, Hershey, USA
- 11:25 AM      Can resistance be prevented? / Intermittent vs continuous infusion –  
ISAP position  
J.W. Mouton, Nijmegen, Netherlands
- 11:50 AM      Effectiveness of antiinfectives: do not forget the patient!  
J.C. Pechère, Geneva, Switzerland
- 12:05 PM      Summary and discussion by chairmen

**Saturday      September 11, 2004**

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**01:30 PM      “Magic Bullets” – Tools and perspectives**

- 01:30 PM      Pharmacokinetics and pharmacodynamics –  
                    concepts in drug development from Ehrlich to modern PK/PD  
                    L.Z. Benet, San Francisco, USA
- 02:00 PM      The role of animal experimentation in designing  
                    antiinfective therapy from Ehrlich to today’s methods  
                    W.A. Craig, Madison, USA
- 02:30 PM      The challenges of advancing Paul Ehrlich's  
                    chemotherapeutic principles in the present era  
                    R.C. Moellering, Boston, USA
- 03:00 PM      Ehrlich's modern dream – therapeutic antibodies  
                    B. Groner, Frankfurt/M, Germany

**03:30 PM      End of WCDA: Closing remarks**

                    K.G. Naber, Straubing, Germany