



HEXAL-Initiative Kinderarzneimittel

*Presents an
Expert Workshop*

**The “in silico child”
or
Can we calculate
children?**

February 14 – 15, 2008

Program

**Venue
Schloss Mickeln
Heinrich-Heine-Universität Düsseldorf**



Dear Participants,

In 2007, the European regulation for “Better Medicines for Children” has dramatically increased public awareness of problems in paediatric drug therapy. The “HEXAL-Initiative Kinderarzneimittel” aims to support projects which improve safe and effective drug treatment for children.

Simulation techniques as key technologies paved the way in various fields like engineering, economics, systems biology and also in adult drug development.

The “HEXAL-Initiative Kinderarzneimittel” intends to stimulate and to promote discussion on simulation techniques in drug development and drug treatment for children. Experts from the scientific and regulatory areas are invited to define the state of the art and limits of simulation in this field.

At the conclusion of the workshop a clear idea should be generated as to whether and how simulation might substantially contribute to drug treatment in children.

Petra Schoettler

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Thursday, 14th of February 2008

Simulation techniques – state of the art – limits – and beyond

10:00	Welcome <i>Petra Schoettler, Holzkirchen</i>
Chair	<i>Stephanie Läer, Düsseldorf</i>
10:15	Introduction <i>Stephanie Läer, Düsseldorf</i>
10:30	The Airplane out of the Computer: A Success Story of Simulations par Excellence <i>Norbert Kroll, Braunschweig</i>
11:15	Coffee Break
11:30	Simulation Techniques in Economics <i>Roland Schuhr, Leipzig</i>
12:15	Simulation Techniques in Adult Drug Development <i>Bernd Meibohm, Memphis</i>
13:00	Lunch

Hands on simulation techniques

Chair	<i>Bernd Meibohm, Memphis</i>
14:00	Simulation Techniques in Paediatric Drug Development <i>Jeffrey Barrett, Philadelphia</i>
14:45	Physiologically based Simulations in Drug Therapy for Children <i>Stefan Willmann, Leverkusen</i>
15:30	Hands on research with simulation software for paediatric drug treatment Examples with simulation programs guided by experts
16:30	Coffee Break
16:45	Panel discussion of experts State of the art – limits – and beyond in simulations for paediatric drug treatment <i>Moderator: Stephanie Läer</i>
19:30	Dinner

Friday, 15th of February 2008

Individual drug prescriptions and simulation techniques - state of the art – limits – and beyond

Chair	<i>Jeffrey Barrett, Philadelphia</i>
9:00	Review of Day 1 <i>Jeffrey Barrett, Philadelphia</i>
9:15	Which Parameters are Necessary to Define the Individual Child? <i>Martin Hulpke-Wette, Göttingen</i>
10:00	Developing Drug Dashboards to Guide Paediatric Pharmacotherapy - Experience at the Children's Hospital of Philadelphia <i>Jeffrey Barrett, Philadelphia</i>
11:00	Coffee Break
11:15	Expert Panel Discussion <i>Moderator: Stephanie Läer</i>
12:30	Closing Remarks <i>Petra Schoettler, Holzkirchen</i>
13:00	Lunch