



International  
Pediatric  
Biomarker  
Symposium



1. International  
Pediatric Biomarker Symposium  
Innsbruck, Austria

February 4-6, 2010

[www.i-pbs.org](http://www.i-pbs.org)

**1. International Pediatric Biomarker Symposium  
Innsbruck, Igls**

**Thursday, 04.02.2010**

09:00 - 10:00      **Welcome Coffee and Exhibition**

10:00 - 10:15      **Opening**

**Session 1: Biomarkers, an Overview**

- 10:15 - 10:45      ***Biomarkers in clinical trials***  
Martin Elmlinger, Nycomed, Germany
- 10:45 - 11:15      ***Biomarkers in systems biology: multi-level multi-variate biomarkers***  
Hans-Peter Deigner, BIOCRATES Life Sciences AG, Austria  
Kohl, Matthias, University of Bayreuth
- 11:15 - 11:45      ***See, treat, cure: Biomarkers in imaging for diagnosis and treatment of diseases***  
Oliver Steinbach, Philips Research Laboratories, NL
- 11:45 - 12:15      ***Biomarkers of oxidative stress in vivo for disease characterization and progression***  
Ian A. Blair, University of Pennsylvania, USA
- 12:15 - 12:45      ***Biobanking in biomarker research: current european developments***  
Kurt Zatloukal, University of Graz, Austria
- 13:00 - 14:00      **Lunchbreak**
- 14:00 - 14:15      ***1<sup>st</sup> Abstractpresentation***
- 14:15 - 14:30      ***2<sup>nd</sup> Abstractpresentation***
- 14:30 - 14:45      ***3<sup>rd</sup> Abstractpresentation***
- 14:45 - 15:00      ***4<sup>th</sup> Abstractpresentation***

**Session 2: Current Methods and Perspectives in Biomarker Discovery**

- 15:00 - 15:30      ***Short non-coding RNAs as novel class of disease biomarkers***  
Adelbert Roscher, Ludwig-Maximilians-University, Germany
- 15:30 - 16:00      ***Methods for metabolite structure elucidation***  
Christoph Steinbeck, EMBL-EBI, UK
- 16:00 - 16:30      **Coffeebreak and Exhibition**
- 16:30 - 17:00      ***Is it all statistics? Data analysis and system biology***  
Matthias Kohl, University of Bayreuth, Germany
- 17:00 - 17:30      ***Functional relevance of biomarkers: Do we need to consider it?***  
Anna Baranova, George Mason University, USA
- 17:30 - 18:00      ***Quantitative metabolomic methods***  
Therese Koal, BIOCRATES Life Sciences AG, Austria
- 18:00 - 18:15      ***1<sup>st</sup> Abstractpresentation***
- 18:15 - 18:30      ***2<sup>nd</sup> Abstractpresentation***
- 18:30 - 18:45      ***3<sup>rd</sup> Abstractpresentation***
- 20:00              **Conference Dinner**

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**Friday, 05.02.2010**

08:00 - 08:30 **Morningcoffee and Exhibition**

## **Session 3: Advances in Diagnosis of Neurological Disease and Conditions**

- 08:30 - 09:00 ***Biomarkers in ischemic brain injury***  
Otto W. Witte, Friedrich-Schiller-University of Jena, Germany
- 09:00 - 09:30 ***New perspectives in biomarker discovery in multiple sclerosis, pitfalls and reality***  
Markus Reindl, Medical University Innsbruck, Austria
- 09:30 - 10:00 ***Traumatic brain injury***  
Tbd
- 10:00 - 10:30 ***Biomarkers of perinatal brain injury in term and preterm born infants***  
Matthias Keller, University Essen/BIOCRATES Life Sciences AG
- 10:30 - 11:00 **Coffeebreak and Exhibition**
- 11:00 - 11:15 ***1<sup>st</sup> Abstractpresentation***
- 11:15 - 11:30 ***2<sup>nd</sup> Abstractpresentation***
- 11:30 - 11:45 ***3<sup>rd</sup> Abstractpresentation***
- 11:45 - 12:00 ***4<sup>th</sup> Abstractpresentation***
- 12:00 - 13:00 **Lunchbreak**

## **Session 4: Biomarkers and Risk Prediction in Sepsis, Infection and Inflammation**

- 13:00 - 13:30 ***Concepts of risk prediction: a new model for RSV risk prediction***  
Abbott GmbH
- 13:30 - 14:00 ***Biomarkers of asthma and pulmonary injury***  
Darryl J. Adamko, University of Alberta, Canada
- 14:00 - 14:30 ***Tbd***  
Daniela Salvemini, Saint Louis University, USA
- 14:30 - 15:00 ***Biomarkers in sepsis - the potential of transcriptomics***  
Michael Bauer, Friedrich-Schiller-University of Jena, Germany
- 15:00 - 16:30 **Coffeebreak and Exhibition**
- 16:30 - 16:45 ***1<sup>st</sup> Abstractpresentation***
- 16:45 - 17:00 ***2<sup>nd</sup> Abstractpresentation***
- 17:00 - 17:15 ***3<sup>rd</sup> Abstractpresentation***
- 17:15 - 17:30 ***4<sup>th</sup> Abstractpresentation***

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**Saturday, 06.02.2010**

08:00 - 08:30 **Morningcoffee and Exhibition**

## **Session 5: IUGR, Metabolic Syndrome and Prevention**

- 08:30 - 09:00 ***Metabolic changes in IUGR***  
Claire Levy-Marchal, Hôpital Robert Debré, France
- 09:00 - 09:30 ***The concept of fetal programming***  
Jörg Dötsch, Friedrich- Alexander University Erlangen, Germany
- 09:30 - 10:00 ***Concept of biomarker discovery from large birth cohorts***  
Matej Oresic, VTT Technical Research Centre of Finland, Finland
- 10:00 - 10:30 ***Identification and quantification of preterm birth biomarkers***  
Ian A Blair, University of Pennsylvania, USA
- 10:30 - 11:00 **Coffeebreak and Exhibition**
- 11:00 - 11:15 ***1<sup>st</sup> Abstractpresentation***
- 11:15 - 11:30 ***2<sup>nd</sup> Abstractpresentation***

## **Session 6: Toxicology and Pharmaceutical R&D in Pediatrics**

- 11:30 - 12:00 ***Personalized therapeutics in pediatrics***  
John N. van den Anker, GWU School of Medicine and Health Sciences, USA
- 12:00 - 12:30 ***Need of biomarkers for drug safety in pediatrics***  
Heike Rabe, Brighton and Sussex University Hospitals NHS Trust, UK
- 12:30 - 13:30 **Lunchbreak**
- 13:30 - 14:00 ***Detection of adverse drug reaction – What do we have, what do we need?***  
Wolfgang Rascher, Friedrich- Alexander University Erlangen, Germany
- 14:00 - 14:30 ***Regulatory perspective: Qualification of biomarkers to be used as endpoints in clinical trials***  
Spiros Vamvakas, EMEA, UK
- 14:30 - 15:00 ***Role of pharmacogenomics for adverse drug reactions***  
Matthias Schwab, University Tübingen, Germany
- 15:00 - 15:15 ***1<sup>st</sup> Abstractpresentation***
- 15:15 - 15:30 ***2<sup>nd</sup> Abstractpresentation***