



Hermann Buhl Institute for Hypoxia and Sleep Medicine Research in Bad Aibling Paracelsus Medical University, Salzburg, Austria

Hypoxia Medical Academy, Moscow

## 4<sup>th</sup> International Symposium for Hypoxia in Medical Research, Training and Rehabilitation

**Date: January 29<sup>th</sup> – 30<sup>th</sup>, 2010**

**Location: Department of Sports Science, Fürstenweg 185, Innsbruck**

### Topics:

**Friday, January 29<sup>th</sup>**

**Hypoxia in Sports:**

**Sea level competitions**  
**High altitude competitions**  
**Pre-acclimatization**  
**Specific stimuli**  
**Regeneration**

**Saturday, January 30<sup>th</sup>**

**Hypoxia in Medicine:**

**Mechanisms of therapy**  
***Cellular and Molecular biological research***  
***Genetics***  
**Cardiovascular diseases**  
**Respiratory diseases**  
**Metabolic diseases**  
**Neurological diseases**  
**Provocation Tests**

**Abstracts and Regular Registration Deadline:** November, 30<sup>th</sup>, 2009

**Website:** [www.uibk.ac.at/isw/hypoxia](http://www.uibk.ac.at/isw/hypoxia); [www.hypoxiaeuropa.org](http://www.hypoxiaeuropa.org)

**More information:** regarding registration and organization [Maria.Wille@student.uibk.ac.at](mailto:Maria.Wille@student.uibk.ac.at)

regarding abstract submission [Klemens.Mairer@student.uibk.ac.at](mailto:Klemens.Mairer@student.uibk.ac.at)

# Program

**Friday, January 29<sup>th</sup>, 2010**

*“Landmark Lectures and Hypoxia in Sports”*

**09.00 – 11.00 Registration**

**11.00 – 12.00 Welcome with early finger food lunch (Registration continued)**

**12.00 – 13.30 Landmark Lectures**

Hypoxia Research – Implications in future pharmaceutical developments  
*Kingman Strohl (Cleveland)*

Evolution of High-Altitude Adaptation in Humans – an overview  
*Cynthia Beall (Cleveland)*

Hypoxia and Narcolepsy  
*Fang Han (Beijing)*

**13.30 – 15.30 Session 1: Hypoxia in Sports**

Neurobics; Oxygen, the Brain and Exercise Performance  
*Damian Bailey (Cardiff)*

Limiting factors for VO<sub>2</sub>max in hypoxia  
*José Calbet (Las Palmas)*

Free communications

**15.30 – 16.00 Coffee break**

**16.00 – 18.00 Session 2: Hypoxia in Sports**

Mitochondrial Function in Hypoxia  
*Susanne Arnold (Aachen)*

Recombinant Epo and Performance in Hypoxia  
*Paul Robach (Chamonix)*

Free communications

**18.00 – 19.00 Poster session**

**19.30 - Dinner + adventure evening**

Dinner lecture: "Why we need a European Hypoxia Research Society"

*Carlo Brusci (Trieste)*

*Heimo Mairbäurl (Heidelberg)*

*Nikolaus Netzer (Bad Aibling)*

**Saturday, January 30<sup>th</sup>, 2010**

*"Hypoxia in Medicine"*

**09.00 – 11.00 Session 3: Hypoxia in Medicine**

Cellular Research in Hypoxia

*Heimo Mairbäurl (Heidelberg)*

The widespread impact of Erythropoietin in hypoxia

*Max Gassmann (Zürich)*

Free communications

**11.00 – 12.00 Special Issue: "The Hypoxic Workplace"**

Introduction and Moderation

*Martin Burtscher (Innsbruck)*

Flights to Moon and Mars: Challenges for Medicine

*Rupert Gerzer (Cologne)*

**12.00 – 14.00 Lunch break**

Meeting of potential Board Members of a

"European Hypoxia Research Society" (*hypoxiaeurope.org*)

**14.00 – 16.30 Session 4: Hypoxia in Medicine**

The hypoxic environment, a natural research laboratory for the study of cardiovascular function

*Urs Scherrer (Lausanne)*

Interval Hypoxia in COPD

*Luciano Bernardi (Pavia)*

Interval Hypoxia in CAD

*Igor Ehrenbourg (Moscow)*

Free communications

**16.30 – 17.00 Coffee break**

**17.00 – 18.00 Press conference**

**Good Bye Note and individual departure**