

Saturday, January 26, 2013

**Children and Patients at High Altitude**

Chairs: *Annalisa Cogo, Hans H. Dickhuth*

13.30 - 13.55 Children at high altitude  
*Susi Kriemler*

13.55 - 14.20 High altitude tolerance of cardiac patients  
*Simon Gibbs*

14.20 - 14.45 Sudden death in the Austrian Alps  
*Martin Burtscher*

14.45 - 15.10 High altitude tolerance of pulmonary patients  
*Andy Luks*

Coffee Break

**Athletes at High Altitude**

Chairs: *Andreas Niess, Peter Ballmer*

15.30 - 15.55 High altitude acclimatization for improvement of sea level performance?  
*Carsten Lundby*

15.55 - 16.20 Training in hypoxia for improvement of sea level performance?  
*Ben Levine*

16.20 - 16.45 Blood doping under control?  
*Birgit Friedmann-Bette*

16.45 - 16.50 Closing  
*Peter Bärtsch*

**End of the Day Lecture**

Chair: *Peter Bärtsch*

17.15 - 18.15 Everest and beyond:  
The world's highest metaphor  
*Tom Hornbein*

**List of Speakers**

Damian Bailey  
Marc Berger  
Martin Burtscher  
Christoph Dehnert  
Birgit Friedmann-Bette  
Max Gassmann  
Simon Gibbs  
Ekkehard Grünig  
Peter Hackett  
Tom Hornbein  
Michael Knauth  
Susi Kriemler  
Ben Levine  
Andy Luks  
Carsten Lundby  
Marco Maggiorini  
Heimo Mairbäurl  
Robert Naeije  
Oswald Oelz  
Drummond Rennie  
Jean-Paul Richalet  
Urs Scherrer  
Robert Schoene  
Erik Swenson  
Glamorgan, UK  
Heidelberg, Germany  
Innsbruck, Austria  
Tübingen, Germany  
Heidelberg, Germany  
Zürich, Switzerland  
London, UK  
Heidelberg, Germany  
Telluride, CO, USA  
Estes Park, CO, USA  
Göttingen, Germany  
Basel, Switzerland  
Dallas, USA  
Seattle, USA  
Zürich, Switzerland  
Zürich, Switzerland  
Heidelberg, Germany  
Brüssel, Belgium  
Zürich, Switzerland  
San Francisco, USA  
Paris, France  
Bern, Switzerland  
San Diego, USA  
Seattle, USA

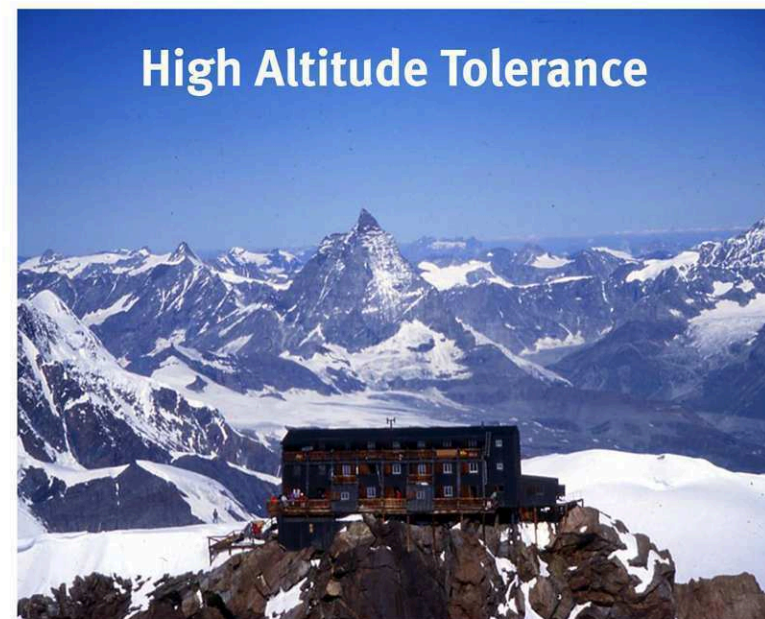
**Contact and Symposium Address**

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Heidelberg University Hospital

First Announcement



January 25 and 26, 2013  
Medical Clinic Heidelberg  
Germany

# Welcome to Heidelberg

Dear colleagues,



on the occasion of my retiring from the Chair of Sports Medicine in Heidelberg at the end of this winter semester, I would like to thank friends and partners with whom we have cooperated in patient care, teaching and research by inviting them to a symposium on human tolerance to high altitude. I am very pleased that so many friends in my primary research area accepted this invitation. Their coming to Heidelberg provides a unique opportunity for offering an update in mountain medicine with state of the art lectures from leading experts from the United States and Europe.

The symposium will be held in English and is open to all colleagues interested in mountain medicine.

Registration at [www.klinikum.uni-heidelberg.de/sportmedizin](http://www.klinikum.uni-heidelberg.de/sportmedizin) no later than January 13, 2013, is mandatory for participation. It is free of charge except for a contribution to the costs of catering. CME credits will be awarded; 3 points were requested for Friday and 6 for Saturday.

On both days the public is invited free of charge to join the End of the Day Lectures, which are devoted to the history of mountain medicine and mountaineering and are given by well known outstanding climbing researchers.

It will be a great pleasure to welcome you to this unique symposium.

Peter Bärtsch  
Prof. of Sports Medicine  
University of Heidelberg

## Friday, January 25, 2013

### Acute High Altitude Illness I

Chairs: *Ralph Baumgartner, Peter Vock*

13.00 - 13.15 Welcome  
*Peter Bärtsch*

13.15 - 13.40 Neuroimaging in AMS and HACE  
*Michael Knauth*

13.40 - 14.05 Pathophysiology of AMS  
*Damian Bailey*

14.05 - 14.30 Prevention of AMS and HACE by drugs and treatment in the field  
*Peter Hackett*

Coffee Break

### O<sub>2</sub> Sensing and Tolerance to High Altitude

Chairs: *Rainald Fischer, Jim Milledge*

15.00 - 15.25 Hypoxic pulmonary vasoconstriction and high altitude tolerance  
*Erik Swenson*

15.25 - 15.50 Hypoxic pulmonary vasoconstriction: Does it limit performance?  
*Robert Naeije*

15.50 - 16.15 Hypoxic ventilatory response and high altitude tolerance  
*Robert Schoene*

16.15 - 16.40 Hypoxic response of alveolar epithelium and high altitude tolerance  
*Heimo Mairböurl*

### End of the Day Lectures

Chair: *Peter Bärtsch*

17.00 - 17.45 History of mountain medicine in Europe  
*Oswald Oelz*

17:45 - 18:30 Charlie, Logan and Me: Man, Mountain, Mouse  
*Drummond Rennie*

## Saturday, January 26, 2013

### Acute High Altitude Illness II

Chairs: *Walter Reinhart, Jürgen Steinacker*

09.00 - 09.25 Clinic and pathophysiology of HAPE  
*Marco Maggiorini*

09.25 - 09.50 Prevention of HAPE by drugs and treatment in the field  
*Marc Berger*

09.50 - 10.15 Prevention of high altitude illness without drugs  
*Christoph Dehnert*

10.15 - 10.40 Prediction of susceptibility to high altitude illness  
*Jean-Paul Richalet*

Coffee Break

### Genetics of Tolerance to High Altitude

Chairs: *Wilhelm Bloch, Walter Haefeli*

11.10 - 11.35 Lessons from familial pulmonary hypertension  
*Ekkehard Grünig*

11.35 - 12.00 Lessons from Tibet  
*Max Gassmann*

12.00 - 12.25 Epigenetics and high altitude tolerance  
*Urs Scherrer*

Lunch Break