

## Symposium Jungfrauoch and beyond «High Altitude Physiology and Medicine»

The pioneers: **Prof. Walter R. Hess** (1881-1973) of the Institute of Physiology of the University of Zürich and winner of the Nobel Prize for Medicine (1949) established the International Foundation for the High Altitude Research Station Jungfrauoch in 1930, which he presided over as its first president until 1936. In 1931 he opened the research station on the Jungfrauoch. In 1938 he presided over the 16<sup>th</sup> International Physiology Congress in Zürich. **Prof. Alexander von Muralt** (1903-1990) of the Institute of Physiology at the University of Bern followed Hess as president of the International Foundation until 1973. He was one of the founders of the Swiss Academy of Medical Sciences in 1943 and established the Swiss National Science Foundation in 1952. In 1938 and 1962 von Muralt organized international symposia on high altitude physiology in Interlaken/Jungfrauoch.

We want to pay tribute to the extraordinary achievements of these pioneers of "High Altitude Physiology and Medicine" and shed light on then, now and future research in this field.

### Venue

University of Bern, ExWi Building, Room 099  
Sidlerstrasse 5  
3012 Bern  
Switzerland

### Organizing Committee

Prof. Dr. Markus Leuenberger, Director HFSJG  
Prof. em. Dr. Urs Baltensperger, President Jungfrauoch Commission  
Prof. Dr. med. Stefano Rimoldi, University Hospital Bern  
Prof. Dr. med. Claudio Sartori, University Lausanne/CHUV  
Prof. em. Dr. Heinz Gaggeler, University Bern/Paul Scherrer Institut  
Prof. em. Dr. med. Peter Bärtsch, Heidelberg University Hospital  
Prof. em. Dr. Silvio Decurtins, President HFSJG

### Symposium Office

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International Foundation  
High Altitude Research Stations  
Jungfrauoch and Gornergrat (HFSJG)

## *Jungfrauoch and beyond* *«High Altitude Physiology and Medicine»*

April 4, 2024, 09.30 - 17.30 h  
University of Bern, Sidlerstrasse 5,  
ExWi Building, Room 099



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**HFSJG**  
High Altitude Research Stations  
Jungfrauoch & Gornergrat

## Program

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09.30	<i>Welcome Coffee and Networking</i>
10.00	Welcome messages by <b>Prof. Dr. Silvio Decurtins</b> , President International Foundation HFSJG, and by <b>Prof. Dr. Hubert Steinke</b> , Institute for the History of Medicine, University of Bern Session Chair: Prof. Dr. Heinz Gägger
10.15	<b>Dr. Leander Diener</b> , Max Planck Institute for the History of Science, DEU «Hess and von Muralt - pioneers at Jungfrauoch»
10.45	<b>Prof. em. Dr. med. Peter Bärtsch</b> , Heidelberg University Hospital, DEU «Medical research at high altitude»
11.15	<b>Prof. Dr. Heimo Mairbäurl</b> , Heidelberg University Hospital, DEU «Adaptation to high altitude»
11.45	<b>Prof. Dr. Carsten Lundby</b> , Faculty of Social and Health Sciences, Inland Norway Univ. of Applied Sciences, NO «Exercise and altitude»
12.15	<i>Lunch Break (Catering)</i> Session Chair: Prof. Dr. med. Claudio Sartori
13.30	<b>Prof. Dr. med. Marc Moritz Berger</b> , RKH Hospital Ludwigsburg, DEU «Acute mountain sickness»
14.00	<b>Prof. Dr. med. Susi Kriemler</b> , University of Zürich, CH «Children at high altitude»
14.30	<b>PD Dr. med. Jacqueline Pichler Hefti</b> , Swiss Sportclinic Bern, CH «Research at extreme altitudes»
15.00	<i>Coffee Break</i> Session Chair: Prof. Dr. med. Stefano Rimoldi
15.30	<b>Prof. Dr. med. Silvia Ulrich</b> , University Hospital Zürich, CH «Patients with lung disease in the mountains»
16.00	<b>Prof. Dr. med. Jean-Paul Schmid</b> , Clinic Gais, CH «Patients with heart disease in the mountains»
16.30	<b>Prof. Dr. Grégoire Millet</b> , University of Lausanne, CH «Disruption and perspectives in altitude research»
17.00	<i>Closing of the Symposium and Aperitif</i>

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The alpine location of the Jungfrauoch Research Station, with the Research House completed in 1931, the Sphinx Laboratory built in 1937 and the recently commissioned Ostgrat site at 3,450 to 3,700 m above sea level, regularly attracts researchers from Europe and beyond. The year-round accessibility of the station by rail and the permanently staffed infrastructure enable research in numerous natural sciences such as atmospheric chemistry and physics, meteorology, glaciology, geology, biology but also in high altitude physiology and medicine. The rich heritage of significant knowledge gained here has earned the station international renown. Today it is home to one of the best-equipped research stations in the world, especially providing comprehensive data for chemical-physical climate and environmental research.

## Registration

Participation is free of charge. However, registration is mandatory

Please register before March 1, 2024 at:  
[claudine.frieden@unibe.ch](mailto:claudine.frieden@unibe.ch)

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**u<sup>b</sup>**

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TOP OF EUROPE**



100<sup>th</sup> anniversary of the High Altitude  
Research Station in 2022