
Aerobiology in times of climatic and environmental urgency

9-10th November, Day 1: 14.00-18:00, – Day 2: 8:20-16:30

Hotel Bern, Zeughausgasse 9, CH-3011 Bern



Target audience and general information

The symposium is aimed at allergists, paediatricians, pneumologists and other medical specialists or scientists interested to learn about environmental changes impacting on allergies and inflammation of mucosal barriers.

In the past ten years, changes in the climate and in the environment, which have been observed for some time, have dramatically accelerated. Global warming, shifts in weather patterns as well as the ever-increasing pollution of the air, land and water

are exerting more and more impacts not only on human health but also on animals as well as on plants and the pollen they release. Over the same period, the classic tools available for the allergists and immunologists to investigate the impact of these changes and to propose specific treatment have been drastically restricted. How to face this situation now and in the future?

CME accreditation from SGAI/SSAI: 10 credits for both days, 4 credits for Thursday 9th, 6 credits for Friday 10th

Registration

For the registration please use the form on aerobiologie.ch/Events1
Registration will be handled on a first come, first serve basis - deadline **1.11.2023**

Price
Member: 60.- CHF | Non-member: 100.- CHF

Administration

Aerobiology
Schweizerische Gesellschaft
Société suisse
Società svizzera

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AEROBIOLOGY SYMPOSIUM 2023

Aerobiology in times of climatic and environmental urgency

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Hotel Bern, Zeughausgasse 9, CH-3011 Bern

Prof. Marloes Eeftens	<i>Group Leader Sensoring and Environmental Epidemiology, Swiss Tropical and Public Health Institute</i>
Dr. med. Pierre Gumowski	<i>Research director and Head of the Clinical Immunology Lab INRAAIC - ADR-AC, Institut de Recherche Appliquée en Allergologie et Immunologie Clinique. Hôpital de la Tour</i>
Dr. Stéphanie Gilles	<i>Leiterin des Fachbereiches "Umwelt-Immunologie", Augsburg University</i>
Prof. Dr. Jeroen Buters	<i>Group leader Toxicology and Environment, TU Munich ZAUM-Centre of Allergy and Environment</i>
Prof. Dr. Mikhail Sofiev	<i>Research Professor, Finnish Meteorological Institute, Atmospheric Composition Research</i>
Dr. Regula Gehrig	<i>Senior researcher and climatologist, Federal Office of Meteorology and Climatology MeteoSwiss</i>
Dr. Athanasios Damialis	<i>Assistant Professor, Aristotle University of Thessaloniki: Thessaloniki, GR</i>
Dr. Benoît Couzry	<i>Scientist, Federal Office of Meteorology and Climatology MeteoSwiss / Lecturer EPFL</i>
Ms. Lara Lüthi	<i>Wissenschaftliche Mitarbeiterin, Sektion Luftqualität, Bundesamt für Umwelt BAFU Abteilung Luftreinhaltung und Chemikalien</i>
Dr. Yasutaka Mitamura	<i>Scientist, Swiss Institute of Allergy and Asthma Research (SIAF),</i>
Prof. Dr. Akdis Cezmi	<i>Professor, Swiss Institute of Allergy and Asthma Research (SIAF), University of Zurich</i>
Prof. Dr. Camillio Ribi	<i>Professor, Service d'immunologie et d'allergie, CHUV</i>
Prof. Dr. Rudolf Valenta	<i>Professor, Center for Pathophysiology, Infectiology and Immunology (Institute of Pathophysiology and Allergy Research), Medizinische Universität Wien</i>
Prof. Dr. Harald Renz	<i>Director and Professor, Institut für Laboratoriumsmedizin, Universitätsklinikums Gießen und Marburg. President, Deutschen Gesellschaft für Klinische Chemie und Laboratoriumsmedizin (DGKL).</i>
Mr. Andrea Gion Saluz	<i>Leiter Koordination Stadtbäume, Stadt Zürich, Grün Stadt Zürich</i>

Detailed program

Day 1

13:30 Arrival of participants. Registration and welcome coffee, tea and croissant

14:00 **Welcome address: “It is Time to Act NOW”**
Dr. med. Pierre Gumowski, president SSA/SGA

Session 1: **CLINICAL STRATEGIES**

Chair: **Dr. med. Pierre Gumowski**, president SSA/SGA

14.05 **The Allergists March and the Climate March**
Dr. med. Pierre Gumowski (Hôpital de la Tour)

14.20 **Impact of heat stress on planetary health. How to react and adapt as allergists and clinicians?**
Prof. Dr. Harald Renz (Universitätsklinikum Gießen und Marburg)

15:00 **Respecting and restoring barriers for planetary health**
Prof. Dr. Stefanie Gilles (Augsburg University)

15.40 Coffee Break

16.10 **Is it really 'just a sneeze?' Systemic health effects of pollen beyond the well-known symptoms**
Prof. Dr. Marloes Eeftens (Swiss TPH Basel)

16.50 **A molecular sensitization map of European children reveals exposome- and climate-dependent sensitization profiles.**
Prof. Dr. Rudolf Valenta (Medical University of Vienna)

17:30 **Conclusion and open discussion**

19.00 Supper - networking

Day 2

8:00 Arrival of participants. Registration and welcome coffee, tea and croissant

Session 2: **AEROBIOLOGY AND ALLERGIES IN A CHANGING ENVIRONMENT**

Chairman: **Dr. Bernard Clot**

08:20 **Introduction: The need to keep efficient observations**
Dr. Bernard Clot (MeteoSwiss) and **Dr. Pierre Gumowski** (Hôpital de la Tour)

08:30 **Trends and changes in pollen and atmosphere: the Swiss case**
Dr. Regula Gehrig (MeteoSwiss) and **Dr. Benoît Crouzy** (MeteoSwiss)

09:10 **Climate change: impact on allergy: particles and pollens - exposome concept**
Prof. Dr. Athanasios Damialis (University of Thessaloniki)

09:50 Coffee Break

10:20 **Modelling aerosol and gas transport patterns over Switzerland**
Prof. Mikhail Sofiev (FMI Helsinki)

11:00 **PM2.5 and CO2 levels affecting epidermal barriers and subsequent allergic and immune conditions**
Dr. Yasutaka Mitamura (SIAF Davos and Zürich)

11:40 **Current clinical approaches of pollen allergies with actual climate and pollution changes**
Prof. Camillo Ribi (CHUV Lausanne)

12:20 Lunch break

Session 3: **STRATEGIES TO FOSTER INNOVATION AND RESILIENCE**

Chair: **Prof. Cezmi Akdis**

13:30 **Epithelial Barrier Theory: Novel evidence on mechanisms of development of allergic and autoimmune diseases**
Prof. Cezmi Akdis (SIAF Davos)

14:10 **Concept for tree planification in cities - challenge of many requirements**
Mr. Andrea Gion Saluz (Stadt Zürich)

14:50 Coffee Break

15:10 **Information systems and health policies**
Prof. Jeroen Buters (TU München)

15:50 **Strategies for clean and healthy air in Switzerland**
Ms. Lara Lüthi (BAFU Bern)

16:30 **Discussion and conclusion**

Sponsors

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