



From fossil palynology to modern aerobiology and building the bridge with pollen allergy science

Date: 26.10.2017 – 28.10.2017

Location: Van Swieten Saal, Van Swieten Gasse 1a, 1090 Wien

Medical University of Vienna, Austria

Initiated by: Carmi Geller-Bernstein

Title: PAAS 2017 (Palynology-Aerobiology-Allergy Symposium)

From fossil palynology to modern aerobiology and building the bridge with pollen allergy science

Scientific Committee	Organizing Committee
Carmi Geller-Bernstein (Israel)	Carmi Geller-Bernstein (Israel)
Uwe Berger (Austria)	Uwe Berger (Austria)
Katharina Bastl (Austria)	Katharina Bastl (Austria)
Barbora Werchan (Germany)	Barbora Werchan (Germany)
Maximilian Kmenta (Austria)	Maximilian Kmenta (Austria)
Karl-Christian Bergmann (Germany)	Nancy Agmon-Levin (Israel)
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Preliminary Program

Thursday, 26.10.2017

Afternoon Session: **Keynote presentations** 14:00-16:15

Chairs: Uwe Berger and Karl-Christian Bergmann

- 14:00-14:15 Carmi Geller-Bernstein (Israel); Symposium Opening: What is our meeting about?
- 14:15-14:45 Carmi Geller-Bernstein (Israel); Relation between pollen concentrations, clinical symptoms and threshold values.
- 14:45-15:15 Karl-Christian Bergmann (Germany); Symptomatic treatment in hay fever and pollen asthma – from the past to now.
- 15:15-15:45 Reinhard Zetter (Austria); From rock to palynomorphs – the single-grain method and its impact on palaeopalynology
- 15:45-16:15 Carsten Skjøth (UK); Linking Grass Pollen Biodiversity and Human Health: an Environmental Genomic Approach.

Friday, 27.10.2017

Session 1 09:00-10:10

The visual world of pollen - from fossil to recent.

Chairs: Reinhard Zetter and Maximilian Kmenta

- 09:00-09:20 Fridgeir Grimsson (Austria); Affiliating fossil pollen to extant taxa – some extraordinary examples from the Upper Cretaceous and Cenozoic.
- 09:20-09:40 Christa Hofmann (Austria); The necessity of using SEM routinely in palaeopalynology – examples from the Lower Cretaceous to the Bronze Age.
- 09:40-10:10 Johannes M. Bouchal (Sweden); Fossil pollen from the Miocene of Anatolia.
- 10:10-10:30 Lukas Dirr (Austria); Pollen walls.
- 10:30-11:00 COFFEE BREAK
- 11:00-11:20 Martina Weber (Austria); Forensic palynology.
- 11:20-11:40 Silvia Ulrich (Austria); PalDat, Pollen Database

Session 2 11:40-14:20

Pollen science and monitoring

Chairs: Jeroen Buters and Markus Gassner

- 11:40-12:10 Petr Kuneš (Czech Republic); Pollen/vegetation calibrations and their use in interpreting fossil pollen spectra.
- 12:10-12:30 Rosa Garcia-Munoz (Mexico); Aerobiology in Oaxaca City. Pollen count 3 years long trough Hirst Trap.
- 12:30-13:00 Letty De Weger (Netherlands); Pollen Sampling by Handheld Samplers Followed by Next Generation Sequencing Analysis.

13:00-14:20 LUNCH BREAK AND POSTER VIEWING

Session 3 14:20-16:30

Pollen monitoring

Chairs: Carmen Galan and Carsten Skjøth

- 14:20-14:40 Maximilian Kmenta (Austria); The European Aeroallergen Network's pollen database: new features.
- 14:40-15:00 Carmen Galan (Spain); Quality control.
- 15:00-15:20 Irena Agnieszka Pidek (Poland); Pollen Monitoring Program (PMP).
- 15:20-15:40 Jeroen Buters (Germany); Validation of a network of pollen traps.
- 15:40-16:00 Olga Ritenberga (Latvia); Statistical forecasting modelling of pollen.

Saturday, 28.10.2017

Session 1 09:00-10:50

Medical allergy science

Chairs: Kalliopi Kontou Fili and Isabella Annesi-Maesano

- 09:00-09:30 Isabella Annesi-Maesano (France); Pollen Effects on health.
- 09:30-10:00 Kalliopi Kontou-Fili (Greece); What we know about the allergenic flora of the Pre-Volcano island, Santorini.
- 10:00-10:20 Barbora Werchan (Germany); Urban vegetation in the context of palynology and allergology.

10:20-10:50 COFFEE BREAK

Session 2 10:50-14:00

Allergology

Chairs: Nancy Agmon-Levin and Dorota Myszkowska

- 10:50-11:20 Nancy Agmon-Levin (Israel); Clinical aspects of pollen immunotherapy.
11:20-11:50 Dorota Myszkowska (Poland); Cross reactivity between pollen and food allergens-joined scope of aerobiological and medical activity.
11:50-12:20 Markus Gassner (Switzerland); Aerobiology and Prevention: agriculture, migration, economy, adaptation.

12:20-14:00 LUNCH BREAK AND POSTER VIEWING

Session 3 14:00-16:30

Pollen and Symptoms, Pollen and Modelling

Chairs: Uwe Berger and Katharina Bastl

- 14:00-14:10 Katharina Bastl (Austria); The use of symptom data in pollen forecasting.
14:10-14:30 Uwe Berger (Austria); The use of the Patient's Hayfever Diary in Europe.
14:30-14:50 Gilles Oliver (France); Patient's Hayfever Diary in France
14:50-15:10 Mikhail Sofiev (Finland); New frontier in atmospheric pollen modelling: running out of empirics
15:10-15:30 Julia Palamarchuk (Finland); Copernicus use case: model-based Personal Allergy Symptom Forecasting
15:30-15:50 Andreas Pauling (Switzerland);
15:50-16:00 Closing remarks

POSTERS: 27th-28th of October 2017

Tatiana Blyakharchuk (Russia): Reflection of vegetation structure in modern pollen spectra in mountain areas of southern Siberia.

Anna Schubert (Germany)

Franziska Zemmer (Turkey)

Application for posters is still open! Deadline: Monday, 28th of August 2017

Poster Guidelines:

DIN A0, portrait format

