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

<table>
<thead>
<tr>
<th>Scientific Committee</th>
<th>Organizing Committee</th>
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<tr>
<td>Carmi Geller-Bernstein (Israel)</td>
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<td>Uwe Berger (Austria)</td>
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<td>Katharina Bastl (Austria)</td>
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<td>Barbora Werchan (Germany)</td>
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<td>Maximilian Kmenta (Austria)</td>
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<td>Karl-Christian Bergmann (Germany)</td>
<td>Nancy Agmon-Levin (Israel)</td>
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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 García-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