

Programm der Sitzung

20.-25. Sept. 2026



European Palaeobotany and Palynology Conference 2026

***Probing biomolecules in plants and
palynomorphs via vibrational spectroscopy:
Methodological advancements and
applications***

Münster
Fürstenberghaus, Domplatz 20-22, 48143 Münster

Do., 24. September

11:30

Probing biomolecules in plants and palynomorphs via vibrational spectroscopy: Methodological advancements and applications

Sitzung | **Ort:** Fürstenberghaus, Auditorium F5 | **Vorsitzende:**

Andrea Schito, Phillip Jardine, Haidra SALEH, Pjotr Meyvisch

11:30–11:45 Uhr

The origin of dinoflagellates and the biological affinities of Palaeozoic acritarchs

Sprecher

Hendrik Nowak

11:45–12:00 Uhr

Fossil biomacromolecules place extinct unicellular eukaryotes in the tree of life

Sprecher

Pjotr Meyvisch

12:00–12:15 Uhr

Reduced geomagnetic shielding increased UV-B radiation at Earth's surface during the Laschamps Event

Sprecher

Alistair Seddon

12:15–12:30 Uhr

Chasing the sun: Pollen UV-B Absorbing Compounds reveal ozone Depletion from the 774/775 CE Solar Energetic Particle Event

Sprecher

Barry Lomax

12:30

13:45

Probing biomolecules in plants and palynomorphs via vibrational spectroscopy: Methodological advancements and applications

Sitzung | **Ort:** Fürstenberghaus, Auditorium F5 | **Vorsitzende:**

Andrea Schito, Haidra SALEH, Phillip Jardine, Pjotr Meyvisch

13:45–14:00 Uhr

Surface UV-B regime of the Common Era in NW England inferred from Sphagnum spore chemistry

Sprecher

Tianyuan Wang

14:00–14:15 Uhr

Assessing Optical-PhotoThermal Infrared spectroscopy for single-grain chemical palynology

Sprecher

Laura Scoble

14:15–14:30 Uhr

Does temperature affect sporopollenin chemotaxonomy?

Sprecher

Faidra Katsi

14:30–14:45 Uhr

Chemical compounds in pollen walls preserve elevational signatures of mountains

Sprecher

Sandeep Sen

14:45–15:00 Uhr

Fluorescence Lifetime Imaging Microscopy (FLIM): A Complementary Spectroscopic Approach for Pollen Chemotaxonomy and Palaeoecological Reconstruction

Sprecher

Junxian Wu

15:00