

# **18. ISDM 3. IAPO**

## **18th International Symposium on Dental Morphology and 3rd Congress of the International Association of Paleodontology**

**Frankfurt 15<sup>th</sup> – 19<sup>th</sup> of August 2022**

### **Third Circular**

**Conference Venue:  
Senckenberg Research Institute and Natural History Museum Frankfurt**

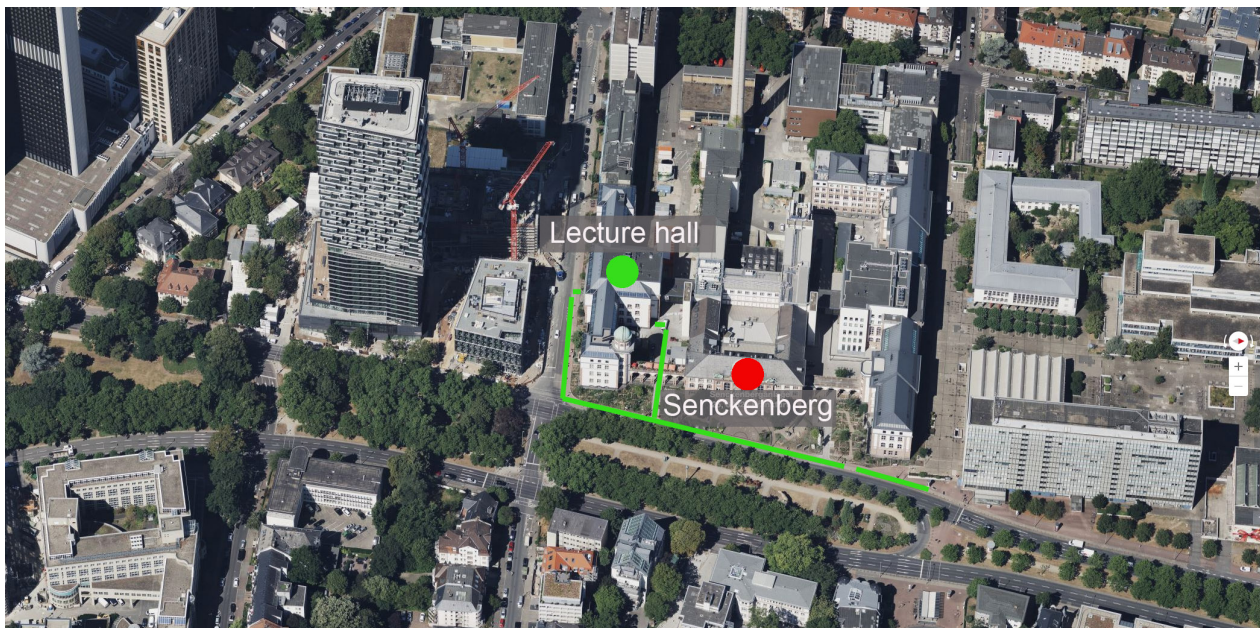
Dear colleagues and friends,

The 18<sup>th</sup> International Symposium on Dental Morphology and 3<sup>rd</sup> Congress of the International Association of Paleodontology is approaching, and we are happy to provide some further information on the conference venue and program.

### Conference venue

The conference will take place in the “Green Lecture Hall” in the Arthur-von-Weinberg building of the Senckenberg Research Institute and Natural History Museum Frankfurt, providing seats with enough spacing in between to accommodate all participants during the scientific sessions.

Senckenberg Research Institute and Natural History Museum Frankfurt



### Registration

Registration will take place on Monday evening in the “Dinosaur hall” at Senckenberg Museum and during the morning hours of the 16<sup>th</sup> of August. But don’t worry if you come later there will always be someone available for registration!

### Lunch and Coffee breaks

Lunch and coffee/tea are available during break times in the vestibule of the lecture hall. (coffee/tea breaks, morning and afternoon) There will be vegetarian and non-vegetarian options. Please let us know via email ([isd2022@senckenberg.de](mailto:isd2022@senckenberg.de)), if you prefer vegetarian food for lunch and the conference dinner.

### How to find Senckenberg and the lecture hall

From the airport you take the S-Bahn S8 or S9 to the central train station (Hauptbahnhof), there you have to change to the subway (U-Bahn). Please take the U4 to the terminal station Bockenheimer Warte. From there it's a 5 min walk following the signs to the Senckenberg Museum. Please find more information on the attached map, and please note the conference lecture hall is in the Arthur von Weinberg building!

## Covid information

Please come to the Senckenberg Research Institute and Natural History Museum Frankfurt only if you feel healthy. At the moment wearing medical masks is still mandatory in all public transport in Frankfurt, including the German train system. Wearing masks is also obligatory in all open pathways, including stairways in the Senckenberg Research Institute. In the public exhibitions of the Natural History Museum and in the conference lecture hall masks are recommended. Hand sanitation will be provided.

For further Covid information for your travel to Germany please visit

<https://www.auswaertiges-amt.de/en/visa-service/EinreiseUndAufenthalt>

## Ethical Conduct

By registering to present and/or attend the 18th International Symposium on Dental Morphology you have agreed following the statement: "I accept as a participant of the 18th International Symposium on Dental Morphology to the equality to all participants of the 18th ISDM 2022 regardless of age, ethnicity, gender identity or expression, sexual orientation, disabilities, religion, or marital status, and I do not tolerate harassment or bullying in any form."

We have selected Mrs Christine Hemm ([Christine.hemm@senckenberg.de](mailto:Christine.hemm@senckenberg.de)) from the Division of Paleoanthropology in the Senckenberg Research Institute as Ombudsperson for the ISDM 2022. Christine will be available during the ISDM 2022 conference, and can be consulted in the case of any form of harassment and assault.

## Scientific Contributions

Please note that the oral presentations are limited to a length of 15 min, followed by 5 min of discussion. Presentations can be uploaded at the day before they are scheduled, or in the morning before the program has started. All presentations of the day will be deleted from all SGN computer systems at the end of the day. Posters should be printed in A0 format, and can be set up in a separate room by each participant, poster presentations will take place in the afternoon.

## Program

### Monday, 15 August

18.30-21.00

- Arrival, Registration, Senckenberg main building
- Informal welcome, Dinosaur hall at the Senckenberg Museum

### Tuesday, 16 August

8.30-9.30

- Registration, opening, Green lecture hall

9.30-16.50

- Scientific session – Dental evolution and Phylogeny
- Scientific session – Dental development and growth
- Scientific session – Dental morphology and morphometrics

16.50-17.30

- Poster session

19.30-21.30

- GHR von Koenigswald lecture – Timothy Bromage

### Wednesday, 17 August

9:00-15.10

- Scientific session – Dental genetics and proteomics
- Scientific session – Dental morphology and morphometrics
- Scientific session – Dental life history and ecology

15.30-17.30

- Poster session

### Thursday, 18 August

9.00-

- Scientific session – Dental biomechanics and Evolutionary Dentistry
- Scientific session – Dental forensics

19.00-22.00

- Conference Dinner (Garden BIK-F, see map)

### Friday, 19 August

8.30-ca. 18.30

- Excursion to Messel Pit and Hesse State Museum Darmstadt

Overall, we plan to organize the possibility of visiting the Senckenberg collection of fossil hominins in the Division of Paleoanthropology in the late afternoons!

Please keep in mind that the conference program may change at short notice!

**Evening lecture at Tuesday, 16.08.2022**

**Gustav Heinrich Ralph von Koenigswald lecture**

**Toward a Metabolic Theory of Paleoecology, Liberating the Unknowable in Paleobiomics**

Timothy G. Bromage

In living organisms, metabolomics provides a systems biology platform for metabolic profiling. However, molecular details of the metabolism of extinct organisms are as little known as physiological responses to environmental conditions. The goal of linking characteristic metabolic profiles of fossil organisms with their respective ecology thus seemed unattainable - until now. For the first time, we can now read the metabolic profiles of early humans and other creatures and their nutritional strategies from samples millions of years old, and precisely reconstruct their environment. This unprecedented knowledge from the past opens up new possibilities for looking at ourselves and improving our lives.

Prof. Timothy G. Bromage is one of the most innovative palaeoanthropologists of our time. With growth analyses of pre-humans and by including the climatic and biogeographical context in the interpretation of the evolution of early humans, he developed the field of palaeobiomics as a cross-sectional science for all life on Earth.

**Excursion at Friday, 19.8.2022**

8.30-ca. 18.30 Trip to the UNESCO World Heritage Site 'Messel Pit' <https://whc.unesco.org/en/list/720>, guided tour, and visit of the Hesse State Museum in Darmstadt (HLMD) <https://www.hlmd.de/en/information/general-information.html>, with great exhibitions of Art and Cultural History and Natural History, Lunch, guided tours, Roundtrip of the art nouveau quarter "Mathildenhöhe" <https://www.mathildenhoehe-darmstadt.de/>

Please check the conference website for updates on the program and additional conference details: <https://www.senckenberg.de/isdm2022>

If you have any question, please feel free to contact us at [isd2022@senckenberg.de](mailto:isd2022@senckenberg.de).

Looking forward to seeing you in Frankfurt soon!

On behalf of the organizing committee,  
Sincerely Yours,  
Ottmar Kullmer

Division of Palaeoanthropology  
Senckenberg Research Institute and Natural History Museum Frankfurt