



Organised by the

**Department of Biological Anthropology, University of Szeged, Hungary**



NEMZETI KUTATÁSI, FEJLESZTÉSI  
ÉS INNOVÁCIÓS HIVATAL

Supported by the K 125561 ('Tuberculosis and Evolution') research grant of the National Research, Development and Innovation Office (NKFIH - Hungary)

Date: **27<sup>th</sup> August 2019, 14:30-18:00**

Venue: **Semmelweis Medical History Library, 1023 Budapest, Török utca 12.**

Paleopathology of tuberculosis is at least as old as human paleopathology, it was born at the end of the 19th century. Paleomicrobiological studies of ancient remains were started at the beginning of the 1990'. During the last decades, paleomicrobiology and classical paleopathology of TB furnished a high amount of important data. However, in the last couple of years much less new results were published as earlier. What is the reason for this slowing down?

By our Ancient Tuberculosis Diagnosis Workshop (aTB Workshop) we would like to create an informal forum of discussion among paleopathologists and paleomicrobiologists, in order to better understand the limits, possibilities and difficulties of these two sub-fields and to discuss potential new cooperation.

In choosing the exact date of the aTB Workshop, we have decided to join the 'Health and Life in Ancient Egypt – Mummies in Focus Conference' (27-30 August 2019, Budapest, homepage: <https://nephthysproject.site123.me/>), with regard to potential synergies between the two events.

### **aTB Workshop Program**

György Pálfi, Erika Molnár, Ildikó Pap: The great antiquity of TB in Hungary and the necessity of paleopathology-paleomicrobiology cooperation

Ildikó Pap, Ildikó Szikossy, Frank Maixner, Albert R. Zink, Mark Spigelman, Helen D. Donoghue, György Pálfi: Fantastic aTB publications from the Vác mummy collection in 2003 and 2013. Can we wait for new fantastic publications for 2023?

Olga Spekker David R. Hunt, Michael Schultz, Erika Molnár, György Pálfi: Endocranial bony changes and their application as diagnostic criteria for tuberculous meningitis in the paleopathological practice – New results and perspectives

Orsolya Anna Váradi, Dávid Rakk, Anita Kecskeméti, Gabriella Terhes, Olga Spekker, Csaba Vágvolgyi, András Szekeres, György Pálfi: The beginning of lipid biomarker research in Szeged: period of reflection, difficulties and preliminary results

Coffee break

Frank Maixner, Heidi Y. Jäger, Ildikó Pap, Ildikó Szikossy, György Pálfi, Albert R. Zink: TB or not TB, that is the question! Molecular evolutionary analysis of tuberculosis in ancient human remains.

Heidi Y. Jäger, Ildikó Pap, Ildikó Szikossy, György Pálfi, Frank Maixner, Albert R. Zink: Design and evaluation of a hybridization capture assay targeting Mycobacterium tuberculosis complex DNA in ancient human remains

Helen D. Donoghue: Palaeomicrobiology, tuberculosis and co-infections – findings and possibilities

David Minnikin: How did virulent tuberculosis arrive in Egypt and the Fertile Crescent?