



Sickness, Hunger, War and Religion from the Perspective of Archaeology, History and Anthropology

A peste, fame et bello libera nos, Domine!

For long periods in the history of humanity, human lives have been fundamentally shaped by sickness, hunger, war and religion. Representatives of both the natural sciences and the humanities (anthropology, archaeology, history) will have the opportunity to discuss and analyze these four major influences on the development of the human population, drawing on their different perspectives. It is hoped that the interdisciplinary and international cooperation with regard to this topic will result in fresh insights.

Organized by: Rachel Carson Center for Environment and Society and Work Group for Palaeoanthropology and Prehistoric Anthropology (Society for Anthropology, Germany)

Organizing Committee: Michaela Harbeck, Kristin von Heyking, Uwe Lübken

Academic Committee: Gisela Grupe, Michaela Harbeck, Uwe Lübken, Christof Mauch, Carola Metzner-Nebelsick, Heiner Schwarzberg, Wolf-Rüdiger Teegen

Friday, March 04

- 09:00 **Opening**
- Panel I**
King Tutankhamen and the Royal Family of the 18th Dynasty of Ancient Egypt
- Chair** Uwe Lübken
- 09:30 Albert Zink:
 "Introduction to the panel and presentation of the results of the anthropological and radiological investigations of the royal mummies of the 18th dynasty"
- Barry Kemp:
 "An unintended social experiment: Pharaoh Akhenaten at Amarna"
- Yehia Gad:
 "Results of the genetic fingerprint analysis of the eleven analyzed royal mummies"
- Carsten Pusch:
 "Pathological conditions detected in Tutankhamen"
- 11:00 **Coffee break**
- Panel II**
Syphilis in El Dorado?
- Chair** Christof Mauch
- 11:15 Heiko Prümers:
 "Pre-Spanish settlements of the Llanos de Moxos, Bolivia"
- Martin Trautmann:
 "Endemic Treponematosis in a pre-contact American population?"
- Carsten Pusch, Markus Ball:
 "Genetic proof of *Trepanoma pallidum* in bone material from lowland Bolivia"
- 12:45 **Lunch**
- Panel III**
Hypothyroidism in Switzerland from an Anthropological, Clinical and Historical Perspective
- Chair** Carola Metzner-Nebelsick
- 13:45 Christina Papageorgopoulou:
 "Hypothyroidism in Alpine medieval Switzerland"
- Kaspar Staub:
 "Hypothyroidism in Switzerland: historical perspectives"
- Frank J. Rühli:
 "Hypothyroidism: Medical classification and possible differential diagnoses in paleopathology"

15:15	Coffee break
	Panel IV
	The Plague
Chair	Gisela Grupe
15:30	Raffaella Bianucci: "Archeology of the Plague"
	Stephanie Hänsch, Barbara Bramanti: "Genetics of the Black Death"
	Mark Achtman: "Genetics of <i>Yersinia pestis</i> "
	Ole Benedictow: "The historical origin of plague and early dissemination according to historical sources"
	Elisabeth Carniel: "Epidemiology of plague"
17:00	Coffee break
	Short talks I
Chair	Michaela Harbeck, Kristin von Heyking
17:15	Ferdinand M. Neuberger, Michaela Harbeck, Kristin von Heyking, Matthias Graw, Gisela Grupe: "Reconstruction of the nutritional life history by isotopic analyses of hair in the case of starvation"
17:30	Ingrid Wiechmann, Michaela Harbeck, Gisela Grupe : "Detection of <i>Yersinia pestis</i> plasmid pPCP1 DNA sequences in late medieval skeletal finds from Manching-Pichl, Upper Bavaria"
17:45	Anna Zipp, Phillip von Grumbkow: "Morphological and genetic analyses to help identify individuals of a historical mass grave in Kassel, Germany"
18:15	Lisa Seifert, Gerhard Hotz, Ingrid Wiechmann, Gisela Grupe, Michaela Harbeck: "Molecular detection of <i>Mycobacterium tuberculosis</i> in skeletal remains"
18:30	End
20:00	Conference dinner

Saturday, March 05

Panel V

Mesolithic-Neolithic Transformations and their Impact on the Health Status of the Population in the Danube Gorges of the Balkans

Chair

Heiner Schwarzberg

09:00

Marija Radović:

"Mesolithic-Neolithic transformations in the Danube gorges: Dental evidence of pathologies and diet"

Sofija Stefanović:

"Treponemal infection: Possible cases from the Mesolithic and Neolithic at the Danube gorges"

Dušan Borić:

"Isotopic and symbolic identities: Mesolithic-Neolithic transformations among the inhabitants of the Danube gorges"

10:30

Coffee break

Panel VI

Investigations of an Ancient Battlefield at Kalkriese, Germany

Chair

Wolf-Rüdiger Teegen

10:45

Birgit Großkopf:

"Human remains from Kalkriese-Oberesch"

Susanne Wilbers-Rost:

"Archaeological excavations and features at the site Kalkriese-Oberesch"

Achim Rost:

"Methodology of battlefield archaeology: Critical analysis of distribution patterns"

12:15

Lunch

Short talks II

Chair

Michaela Harbeck, Kristin von Heyking

13:15

Steve Zäuner:

"Stone age warfare - a Chalcolithic case study"

13:30

Christine Cooper:

"Skeletal trauma in human remains from the battle of Dornach, Switzerland in 1499 AD"

13:45

Alexander Lutz, Gisela Grupe, George McGlynn:

"Anthropological analysis of mass graves from the "Thirty Years War""

14:00

Bettina Jungklaus:

"A medieval warriors' burial on the castle hill at Lebus, Brandenburg, Germany"

- 14:15 Olaf Nehlich, Michael Richards:
"Application of sulphur isotope analysis to examine environmental impact on palaeodiets"
- 14:30 Gisela Grupe, Andreas Rott:
"Diet, economy and changing environments at Viking Haithabu and medieval Schleswig: Isotopic evidence, isotopic mixing muddles, and possible solutions"

14:45 **Coffee break**

Short talks III

Chair: Michaela Harbeck, Kristin von Heyking

- 15:00 Ken Massy, Nadja Hoke:
"ArchaeoBioCenter: Interdisciplinary collaboration to investigate Early Bronze Age burials in the Munich gravel plain"
- 15:15 Barbara Teßmann:
"The human skeletal remains from the Middle Bronze Age settlement from Monkodonja and the grave hill from Mušego"
- 15:30 Harald Stadler:
"The healer of Strad. An extraordinary female facedown burial in seventeenth-century Tyrol"
- 15:45 Gerhard Hotz, Jürgen Mischke, Lucia Bürli, Bruno Gottstein, André Puschnig:
"A rare piece of evidence from archaeobiology - calcified cystic echinococcosis from Basel and its relevance for medieval hygienic conditions"
- 16:00 Kalliopi Papangeli, Zoe Tsioli, Loukas Konstantinou:
"Eleusis. A multiple burial in fifth century BC"
- 16:15 Nadine Carlich, Florian Fischer, Kristin von Heyking, Gisela Grupe:
"Fracture analysis of historical long bones - reconstruction of the fracture line using CT-scan and 3D-image processing"

16:30 **Closing remarks**

following **APPA - Meeting**

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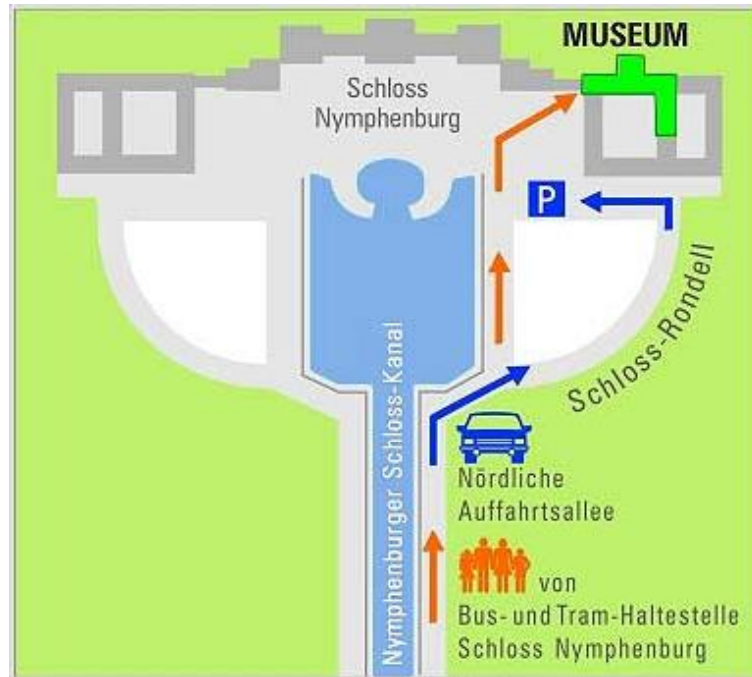


Federal Ministry
of Education
and Research

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Venue: Museum of Man and Nature (Museum Mensch und Natur),
Schloss Nymphenburg, Maria-Ward-Str. 1b, 80638 Munich

The conference is free and open to the public; however registration is required.
Please send an e-mail to Kristin von Heyking (kristin.heyking@carsoncenter.lmu.de)
by February 28, 2011, to sign up.



Public transport (tram and bus): From Munich city centre,

- take tram no. 17 in the direction of Amalienburgstrasse.
- Leave the tram at Schloss Nymphenburg (Nymphenburg Palace).
- Walk along the Nymphenburg Canal in the direction of the palace.

The Museum of Man and Nature is located in the north wing of the palace.

Alternatively,

- take the suburban trains (S1, 2, 4, 5, 6 and 8) in the direction of Pasing.
- Disembark at Laim and take bus No 51 in the direction of the Olympiazentrum.
- Alight at Schloss Nymphenburg.