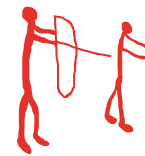


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2022

Program

10th World Congress on Mummy Studies
Bolzano, Italy | 05–09 September 2022



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10th World Congress on Mummy Studies
WMC 2022

4th Bolzano Mummy Congress
05-09 September 2022
Bolzano, Italy

Program overview

Sunday, 4 September 2022

18.00 – 20.00 **Charity concert - Eurac Research HQ, Viale Druso 1, 39100 Bolzano**

Monday, 5 September 2022

08.00 – 09.00 **Registration**

09.00 – 09.30 **Conference opening**

09.30 – 10.45 **Session 1**

10.45 – 11.15 **Coffee break**

11.15 – 12.45 **Session 2**

12.45 – 13.45 **Lunch**

13.45 – 15.30 **Session 3**

15.30 – 16.00 **Coffee break**

16.00 – 17.30 **Session 4**

18.30 – 20.30 ***Welcome drink and Iceman exhibition – South Tyrolean Museum of Archaeology***

Tuesday, 6 September 2022

09.00 – 10.30 **Session 5**

10.30 – 11.00 **Coffee break**

11.00 – 12.30 **Session 6**

12.30 – 14.00 **Lunch**

14.00 – 15.30 **Session 7**

15.30 – 16.00 **Coffee break**

16.00 – 17.30 **Session 8**

18.00 – 19.00 ***Public lecture***

19.00 – 22.00 **Poster session – beer & pizza reception**

Wednesday, 7 September 2022

09.00 – 10.30	Session 9
10.30 – 11.00	Coffee break
11.00 – 12.30	Session 10
12.30 – 14.00	Lunch
14.00 – 15.30	Session 11
15.30 – 16.00	Coffee break
16.00 – 17.15	Session 12
17.15 – 18.15	General assembly
20.00 – 23.00	<i>Conference dinner – Maretsch castle</i>

Thursday, 8 September 2022

09.00 – 10.30	Session 13
10.30 – 11.30	Brunch
11.30 – 13.00	Session 14
13.00 – 14.00	Session 15 – Mummy exhibition
14.00 – 14.30	Closing remarks
15.00 – 17.00	<i>Mummy labs tour</i>

Friday, 9 September 2022 – Excursions

Visit to Lazaun Alp + archeoParc

08:30	Meeting point at Eurac Research
08:40	Meeting point at NOI Techpark

Hike to the Ötzi discovery site

05:30	Meeting point at Eurac Research
05:40	Meeting point at NOI Techpark

Scientific program

Monday, 5 September 2022

09.00 – 09.30	Conference opening Roland Psenner: Welcome address Albert Zink: Introduction
09.30 – 10.45	Session 1: Iceman
09.30 – 09.45	Weber, Jochen et al.: Medical aspects of Ötzi's arrow wound: how long did he survive the trauma?
09.45 – 10.00	Lynnerup, Niels et al.: Ötzi: new 3D visualizations of the wound of the left shoulder
10.00 – 10.15	Pernter, Patrizia et al.: Computed tomography as a noninvasive tool for long-term control of the preservation of the Iceman
10.15 – 10.30	Wang, Ke et al.: High coverage genome of the Tyrolean Iceman reveals high Anatolian farmer ancestry
10.30 – 10.45	Croze, Myriam et al.: Reconstructing genomic and social structure of prehistoric individuals from the eastern Italian Alps
10.45 – 11.15	<i>Coffee break</i>
11.15 – 12.45	Session 2: Biomedicine & Paleoparasitology
11.15 – 11.30	Rodríguez-Martín, Conrado et al.: Paleoimaging of Guanche mummies
11.30 – 11.45	Ejsmond, Wojciech et al.: Pregnant ancient Egyptian mummy – state of the research and further plans
11.45 – 12.00	Eppenberger, Patrick et al.: Evolutionary implications of elongated vascular calcinosis in the mummified forearm of the 4400-year-old probable remains of King Unas
12.00 – 12.15	Maixner, Frank et al.: Microscopic evidence for malaria infection in visceral tissue of the Medici family
12.15 – 12.30	Gurjão, Ludmila et al.: Next Generation sequencing applied to coprolites of Gruta do Gentio II archaeological site, Southeast Brazil.
12.30 – 12.45	Iñiguez, Alena et al.: Technological innovation in paleoparasitology in Brazil: preliminary outcomes
12.45 – 13.45	<i>Lunch</i>

13.45 – 15.30	Session 3: South American mummies – Imaging and Bioarchaeology
13.45 – 14.00	Buikstra, Jane: ONE Paleopathology: globalizing the study of ancient health
14.00 – 14.15	Valverde, Guido et al.: The Bolivian Mummy Project – Different lines of scientific evidence for the study of pre-Columbian mummies at museums
14.15 – 14.30	Wilson, Andrew et al.: Llullaillaco child mummies: bioarcheology context_ part 1
14.30 – 14.45	Villa, Chiara et al.: Llullaillaco child mummies: 3D documentation and imaging analysis _part 2
14.45 – 15.00	Watson, Lucia et al.: Mummies as Microcosms: analysis of mummy bundles from the central coast of Peru (1100 AD-1532 AD) using computed tomography
15.00 – 15.15	Fuentes, Sarita et al.: The city of the Living and the Dead: Bioarchaeology and our understanding of the site of Pachacamac, Peru - 120 years of history
15.15 – 15.30	Socha, Dagmara et al.: The toxicological analysis of Nazca mummies.
15.30 – 16.00	<i>Coffee break</i>
16.00 – 17.30	Session 4: Atherosclerosis & Imaging
16.00 – 16.15	Thompson, Randall et al.: Atherosclerosis in ancient mummies: The HORUS study of 268 adult individuals
16.15 – 16.30	Antoine, Daniel et al.: Cardiovascular disease in Nile valley mummies: exploring the need for a more systematic approach that accounts for vessel prevalence and the impact of Dual Energy CT scanning
16.30 – 16.45	Wurst, Christina et al.: Atherosclerotic cardiovascular disease in mummies - A polygenic risk score based on a genetic enrichment approach
16.45 – 17.00	Thomas, Gregory et al.: Atherosclerosis in Arctic mummies despite consumption of a marine based diet high in omega-3 fatty acids
17.00 – 17.15	Badr, Ibrahim: New reading in ancient mummification technique by using CT scan as non-destructive tool for mummies examination applied on Tjanefer mummy (H-3rd Intermediate, Dynasty 21)
17.15 – 17.30	Vetter, Luisa et al.: Metal offerings and the mummy: the analysis of the contents of funerary bundles from the central coast of Peru (1100d.C-1532d.C) based on CT-Scans
18.30 – 20.30	<i>The South Tyrol Museum of Archaeology kindly invites to: Welcome drink and visit of the Iceman exhibition</i>

Tuesday, 6 September 2022

09.00 – 10.30	Session 5: Molecular analysis & Imaging
09.00 – 09.15	Nelson, Elizabeth et al.: Synergistic paleopathological analysis of Chachapoya mummified remains, north-eastern Peru
09.15 – 09.30	Granehäll, Lena et al.: Reconstructing the ancient <i>Helicobacter pylori</i> genome of an 18th century mummy from Basel, Switzerland
09.30 – 09.45	Boggi, Byron et al.: Multiomic applications in the study of biomolecular preservation and ancient disease discovery
09.45 – 10.00	Lerchi, Andrina et al.: Proteomic profiling of tissues from a medieval Mongolian mummy
10.00 – 10.15	Pedergrana, Antonella et al.: Oral health in Medieval Europe explored through paleoproteomics
10.15 – 10.30	Sarhan, Mohamed et al.: Reconsidering additional sources of ancient DNA
10.30 – 11.00	<i>Coffee break</i>
11.00 – 12.30	Session 6: Egyptian mummies
11.00 – 11.15	Rühli, Frank et al.: Sustainable mummy studies: capacity building activities in Egypt
11.15 – 11.30	Hobel, Tina: The Necropolis of the Coptic monastery of St. Paulos (Deir el-Bachît) at Western Thebes, Egypt. State of research and current results
11.30 – 11.45	Lösch, Sandra et al.: The human remains of the Coptic monastery complex in Deir el-Bachît in Thebes-West
11.45 – 12.00	Tatz, Sabrina: Burial patterns and social structures in Late Antiquity. The necropolis of the Paulos Monastery/Upper Egypt
12.00 – 12.15	Mussauer, Alexandra et al.: Four thousand years of maternal ancestry in ancient Egypt illuminated by mitochondrial genome sequencing
12.15 – 12.30	Braulinska, Kamila et al.: Radiological analysis of the Warsaw mummy's alleged pregnancy, with a broader study of the radiological, archaeological and Egyptological context
12.30 – 14.00	<i>Lunch</i>

14.00 – 15.30	Session 7: Imaging, Biomedicine & Conservation
14.00 – 14.15	Sutherland, Linda et al.: Medical conditions in ancient people: CT paleopathology pictorial essay in mummies
14.15 – 14.30	Thompson, Randall et al.: Ten ancient mummies with extensive atherosclerosis on CT imaging: a pictorial essay
14.30 – 14.45	Seiler, Roger et al.: Orofacial pathologies in two temporally disjunct population samples in the Temple of Millions of Years of Thutmosis III in Western Thebes, Egypt
14.45 – 15.00	Facchetti, Federica et al.: Mummy of vizir Imhotep: interdisciplinary study and restoration work
15.00 – 15.15	Hartenstein, Cassandre et al.: Study of Egyptian mummies in context. An assemblage of the beginning of 18th dynasty.
15.15 – 15.30	Olivia, Cinzia: Conserving Egyptian mummies: a difficult relationship between past and present
15.30 – 16.00	<i>Coffee break</i>
16.00 – 17.30	Session 8: Museums & Conservation
16.00 – 16.15	Jankauskas, Rimantas et al.: Study of Corposanto - relics of St. Bonifatius, Holy Martyr
16.15 – 16.30	Wilkinson, Caroline: Presenting the faces of preserved human remains: ethical, academic and practical challenges
16.30 – 16.45	Peyroteo Stjerna, Rita et al.: Mummification in the Mesolithic. New approaches to old photo documentation reveal previously unknown mortuary practices in the Sado Valley, Portugal
16.45 – 17.00	Silva-Pinto, Verónica et al.: Agency and corporality in the mortuary treatment of Chinchorro infants of the Atacama's coast desert
17.00 – 17.15	Gutierrez Espinola, Donal Mauricio et al.: Conservation process of the mummy from Cajamarquilla, Peru.
17.15 – 17.30	Schotsmans, Eline et al.: Conducting experiments at the Australian Facility for Taphonomic Experimental Research (AFTER) for a better understanding of mummification practices
18.00 – 19.00	Public lecture Ikram, Salima: Egypt's royal mummies: from discovery to display(s)
19.00 – 22.00	Poster session Beer & pizza reception

Wednesday, 7 September 2022

09.00 – 10.30	Session 9: Mummies from Europe, the Near East & North Africa
09.00 – 09.15	Nielsen, Nina et al.: Tollund Man's last meal: new analyses of his colon contents
09.15 – 09.30	Zingale, Stefania et al.: Revealing the "Maronite mummies" of Assi el Hadath cave (Lebanon)
09.30 – 09.45	Silva-Bessa, Angela et al.: An interdisciplinary study on the mummified and skeletonized human remains from three Portuguese cemeteries (19th-21st centuries)
09.45 – 10.00	Alapont Martin, Llorenç et al.: A singular tomb in Pompeii. The inhumation and mummification of Marcus Venerius Secundio
10.00 – 10.15	Metcalf, Jenefer et al.: Anthropogenic mummification at Koshtamna, Nubia; the evidence from Douglas Derry's archives
10.15 – 10.30	Lunardini, Agata et al.: Unusual artificial mummification in Medieval Italy: The Blessed Illuminata and Chiarella from Montefalco (Perugia, Italy)
10.30 – 11.00	<i>Coffee break</i>
11.00 – 12.30	Session 10: Biomolecular studies
11.00 – 11.15	Sharpen, Jack et al.: Mummification modelling: Profiling the biomolecular mechanisms and markers of tissue degradation for archaeological and forensic applications.
11.15 – 11.30	López-Costas, Olalla et al.: Mercury and mummies
11.30 – 11.45	Gaeta, Raffaele et al.: Viral infections in a 16th century Italian infant mummy: a paleo-molecular biology study
11.45 – 12.00	Currò, Aurora et al.: What mummies can reveal us about genetic diseases
12.00 – 12.15	Majchrzak, Lukasz et al.: The multimodal chemical and histological study of the Andean pre-Columbian Chancay mummies
12.15 – 12.30	Fornaciari, Antonio et al.: The mummies of the Basilica of Saint Domenico Maggiore in Naples (XV-XVII centuries): a paleotoxicological approach
12.30 – 14.00	<i>Lunch break</i>

14.00 – 15.30	Session 11: Mummification Methods
14.00 – 14.15	Rossetti, Chiara et al.: Rehydration recipes and pre analytical choices as a personalized medicine in histopathology of mummified tissues
14.15 – 14.30	Colmenares Prado, Marta et al.: Multiproxy biogeochemical approach of Egyptian mummies balm composition
14.30 – 14.45	Vandenbeusch, Marie et al.: The mummified people from Thebes, Egypt
14.45 – 15.00	Zesch, Stephanie et al.: The multifaceted nature of Egyptian mummification: new insights into child mummies
15.00 – 15.15	Loynes, Robert: The Ptolemaic Period. Pinnacle of Egyptian mummification technique?
15.15 – 15.30	Stark, Robert et al.: Insights to Mummification methods from Theban tombs (TT) 65–67 in the Sheikh Abd el-Qurna Section of the Theban Necropolis at Luxor, Egypt
15.30 – 16.00	<i>Coffee break</i>
16.00 – 17.15	Session 12: Museums & Collections
16.00 – 16.15	Piombino-Mascoli, Dario et al.: Celebrating the centenary of Arthur Aufderheide's birth (1922-2022)
16.15 – 16.30	Malgora, Sabina et al.: Application of modern technologies to the study of Egyptian mummies: the case of "Ankhekhonsu" of the Civic Archaeological Museum of Bergamo, Italy
16.30 – 16.45	Milani, Chantal et al.: The Bergamo mummy of Ankhekhonsu: forensic facial reconstruction
16.45 – 17.00	Paasikivi, Sofia et al.: Post Medieval mummies in the Church of Seili, Finland
17.00 – 17.15	Teßmann, Barbara et al.: Lost and found: mummies and bones of the so-called priest tombs from the mortuary cult complex of Ny-User-Ra in Abusir, Egypt
17.15 – 18.15	General assembly
20.00 – 23.00	Conference dinner - Maretsch Castle

Thursday, 8 September 2022

09.00 – 10.30	Session 13: Museums & Conservation
09.00 – 09.15	Manzollino, Roberta et al.: The other face of musealization: 3D computerized reconstruction of the facial features of an Egyptian mummy
09.15 – 09.30	Belvedere, Marianna et al.: Digital fabrication and heritage enhancement: the Pavia mummy copy made by Spazio Geco Fab Lab
09.30 – 09.45	Schraut, Philipp: The archeoParc Schnals museum and the environment of the Schnalstal valley
09.45 – 10.00	Barbero, Enrico: A new exhibition room at the Museo Egizio: Between conservation and display of human remains
10.00 – 10.15	Silva-Pinto, Verónica et al.: Chinchorro transcend death: the usefulness of CT scan for the construction of mummies replicas to museography
10.15 – 10.30	Lemaitre, Serge et al.: Interdisciplinary research on Andean mummies at the Royal Museums of Art and History, Brussels, Belgium
10.30 – 11.30	<i>Brunch</i>
11.30 – 13.00	Session 14: Funerary Archaeology & Imaging
11.30 – 11.45	Huaman Santillan, Yomira Silvia: The Lord of Cajamarquilla: analysis of the funerary context of the Cajamarquilla mummy from funerary archaeology.
11.45 – 12.00	Van Dalen Luna, Pieter: Archaeological studies on the mummies of the Chan-cay culture
12.00 – 12.15	Errera, David: Wait in the fire: cremation of mummies as a funeral rite in the pre-Wari period at the archaeological site of Minaspata in the Lucre Basin (Cusco-Peru)
12.15 – 12.30	Timbart, Noelle et al.: A new approach on the smell of Egyptian mummies: study of their odorous organic compounds
12.30 – 12.45	Kirgis, Pauline et al.: Tiny bugs and mummies: a clever mix! Archaeoentomology, archaeoparasitology and 3D reconstruction
12.45 – 13.00	Krachler, Sophie: Where eternity ends – a conservator's job begins
13.00 – 14.00	Session 15: Mummy Exhibition
13.00 – 14.00	Picchi, Daniela et al.: The Bologna mummy project: an interdisciplinary approach to the study of human remains from Roman and Medieval Egypt
14.00 – 14.30	Closing remarks
15.00 – 17.00	<i>Mummy labs tour</i>

Friday, 9 September 2022 – Excursions:

Visit to Lazaun Alp + archeoParc

08:30 Meeting point at Eurac Research

08:40 Meeting point at NOI Techpark

Hike to the Ötzi discovery site

05:30 Meeting point at Eurac Research

05:40 Meeting point at NOI Techpark

Poster session

- P 01** Teßmann, Barbara et al.: Multidisciplinary study of a smoked mummy from Australia
- P 02** Pankova, Svetlana et al.: Hidden behind the mask: CT scans of the Siberian mummy of Oglakhty provide insight into its head mummification and portrait likeness of the mask
- P 03** Gerst, Robin: Ancient mummies with tattoos from South American Andes - an introduction
- P 04** Timbart, Noelle et al.: Research and conservation of human remains: cross contributions
- P 05** Carrara, Nicola: The Ptolemaic mummy at the Museum of Nature and Man, University of Padova: history, research and exhibit
- P 06** Spinek, Anna et al.: Like a fingerprint - morphological and morphometric variability of the frontal sinuses in ancient Egyptian mummies
- P 07** Haller, Magdalena et al.: Mass burial genomics reveals an association between HLA-DRB1*03 and Paratyphoid Fever in Medieval Europeans
- P 08** Rudbeck, Emilio et al.: The post-mortem Clostridium effect in mummies
- P 09** Manzollino, Roberta et al.: The enhancement of mummies as a pull factor for the audience: an analysis between brand management and promotion of territorial and tourism in Italy.
- P 10** Jäger, Heidi Yoko et al.: Chasing ancient pathogens: A look into the ancient tuberculosis research of the Vác Mummy Collection
- P 11** Meiseleder, Lisa et al.: Genomic analysis of Late Iron Age individuals from Münsingen-Rain (Switzerland, 420-180 BCE)
- P 12** Lopes, Laiz et al.: Paleogenetic analysis of Pediculosis of Andean mummies from the Atacama desert, Chile
- P 13** Boano, Rosa et al.: Cataloging mummies. Experiences from the Museum of Anthropology and Ethnography of Turin (Italy)
- P 14** Eppenberger, Patrick et al.: Acquisition of cross-sectional images for the diagnostic evaluation of ancient human remains in remote areas and under challenging field conditions
- P 15** Abreu Abreu, María José: The Mummies of Guanajuato's life stories
- P 16** Minozzi, Simona et al.: Disturbing elements and preservation problems in a medieval natural mummy: animal nesting.
- P 17** Warwick, Alexandra et al.: Breasts in Dynastic Egypt
- P 18** Braulinska, Kamila et al.: The assemblage of animal mummies in Poland
- P 19** Nafari, Reza.: Introduction and identification of burials obtained from the archeological excavation of the Kamin cemetery, Fars Province, Iran.
- P 20** Bernaski, Mario et al.: Cryopreservation Isochoric with atmosphere modification of the Llullaillaco Mummies in Salta – Argentina
- P 21** McKnight, Lidija: Are we winging it? – Assessing confidence levels in the zooarchaeological identification of bird taxa contained within animal mummies
- P 22** Gaeta, Raffaele et al.: Histological study of pulmonary tuberculosis in a 19th-century natural mummy from Comiso (Sicily, Italy)
- P 23** Rovelli, Valentina et al.: Preservation of endogenous DNA in cat mummies from ancient Egypt
- P 24** Panzer, Stephanie et al.: Evidence of ancient Egyptian treatment of a purulent soft tissue infection
- P 25** Monsalve, Maria et al.: „Hands-on archaeological and historical medical collections“: an educational activity
- P 26** Salem, Nada et al.: Insights into ancient Egyptian genomes in the first Millennium BC
- P 27** Loynes, Robert et al.: The Quinto infant mummy PQ 27: a possible case of septicaemic death
- P 28** Soggiu, Alessio et al.: Genomics and proteomics analysis on Egyptian mummies: the case of “Ankhekhonsu” of the Civic Archaeological Museum of Bergamo, Italy.
- P 29** Solari, Ana et al.: Archaeology of mummification and gender: revisiting an 18th century female monastery in São Paulo, Brazil
- P 30** Solari, Ana et al.: Regarding a mummy: Overview and management plan for study of a naturally mummified body displayed at the Museu do Homem Americano, Brazil.
- P 31** Liu, Jessica et al.: Facial depiction of a Roman period mummy with portrait from the Fayoum Oasis, Egypt
- P 32** Shrimpton, Sarah et al.: Cognitive bias in textural decisions for the depiction of the ancient Egyptian mummy, Takabuti
- P 33** Roughley, Mark: What are the current methods for presenting digital facial depictions of ancient Egyptian mummies to public audiences, and what opportunities and ethical challenges do emerging technologies present?
- P 34** Castañeyra Ruiz, María et al.: Two facial depictions of Guanche children from the summit of Tenerife (Canary Islands).
- P 35** Váradi, Orsolya A. et al.: In search of TB among the members of the Hausmann family: Mycobacteric acid-based TB diagnostics via HPLC-HRMS
- P 36** Szvák, Enikő et al.: Memento and lullaby for an unborn baby from the Vác mummy crypt
- P 37** Szvák, Enikő et al.: The beginning of the Nephthys project

Acknowledgements

The Eurac Research Institute for Mummy Studies gratefully acknowledges the support of the following partners



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