

4th Baltic Bioarchaeological Meeting
24-26. August 2015
ADBOU, Lucernemarken 20, Odense, Denmark

Program

Sunday 23th August:

Get-together-evening: St. Canute's Cathedral, Odense & picnic

Monday 24th August:

09.00-10.00 **Registration**

10.00-10.05 Welcome and practical information. *Jesper Boldsen, ADBOU*

10.05-11.00 Guest lecture: Danish Bog Bodies
Prof. NIELS LYNNERUP, Copenhagen University

11.00-11.15 Coffee break

11.15-12.35 **Session I: *Diseases in the past*** (Jesper L. Boldsen)

Palaeopathological analysis of individuals buried in the Riga Dome Church cemetery (13th – 17th centuries) in Riga, Latvia
ELĪNA PĒTERSONE – GORDINA. Institute of Latvian History at the University of Latvia.

Investigating the relationship between cribra orbitalia and nutritional deficiency in children from 17th-18th c. Jēkabpils, Latvia
SEBASTIAN K.T.S. WÄRMLÄNDER. Division of Biophysics, Stockholm University.

Correlations of Paleopathological Lesions from 12th to 19th Century in Finland
KATI SALO., University of Helsinki.

The presence of tuberculosis in the German-Danish border region in the medieval period
DORTHE DANGVARD PEDERSEN, ADBOU, University of Southern Denmark

12.35-13.35 Lunch break

13.35-14.35 **Session I: *Diseases in the past (continued)*** (Chair: Niels Lynnerup)

Ancient DNA analysis of infectious agents in the human remains from Finnish, archaeologically studied burial grounds

KERTTU MAJANDER. Palaeo- and Archaeogenetics Work Group, University of Tübingen

Oral Health in two Medieval Danish Cities

JESPER L. BOLDBSEN, ADBOU, University of Southern Denmark

Evaluating Traumatic Brain Injury from Skull Trauma in Late Neolithic – Early Bronze Age Individuals from Southern Sweden. A Cultural Approach Integrating Bioarchaeology with Neuropsychology.

ANNA TORNBORG. Department of Archaeology and Ancient History, Lund University.

14.35-15.35 **Session II: *Age, death and demography*** (Chair: Svenja Weise)

Neutral genetic pattern of ABO locus in a pathogenic world

DANIEL SCHÜTZ. Department of Human Biology, Zoological Institute, Christian-Albrechts-University of Kiel, Germany

13-15 century inhabitants of Ikšķile, Latvia

GUNITA ZARIŅA. Institute of Latvian History at the University of Latvia

Diagenesis in Modern, Domestic, Danish, Cremated Pig Bone

ANNE JUUL JENSEN, CHART, University of Southern Denmark

15.35-16:00 Coffee break

16:00-17.00 **Session III: *Graves, grave types and grave goods*** (Chair Elīna Pētersone – Gordina)

Pilot study on carbon ja nitrogen stable isotope analysis on Medieval and Early Modern human remains from Tartu, Estonia

MARTIN MALVE. Dept. of Archaeology, Institute of History and Archaeology, University of Tartu

Review of the results from the excavation of St. Nicolai's cemetery in Oslo, Norway.

ANNE ØSTERGAARD JENSEN. Norwegian Institute for Cultural Heritage Research (NIKU), Oslo Norway.

Magic and Medicine in Bones: Historical Finds from St. Michael's Church in Pälkäne, Finland

ULLA MOILANEN. University of Turku, Archaeology / Pirkanmaa Provincial Museum.

Tuesday 25th August:

09.00-10.00 Guest lecture: Insights into the evolutionary history of *Mycobacterium leprae* gained from sequencing medieval genomes
Junior Professor BEN KRAUSE-KYORA, Institute of Clinical Molecular Biology, Kiel University, Germany

10.00-11.00 **Session IV: Migration** (Chair: Ben Krause-Kyora)

The prehistory of Estonia from a genetic perspective: new insights from aDNA
LEHTI SAAG. Department of Evolutionary Biology, University of Tartu; Estonian Biocentre

The Mesolithic Lake Burial of Motala, Sweden: Insights from Ancient DNA
ALISSA MITTNIK. Institute for Archaeological Sciences, University of Tübingen, Germany.

New Stable Isotope Analysis and Dietary Practices at the Stone Age Burial Site Zvejnieki, Northeastern Latvia
DARDEGA LEGZDIŅA. Institute of Latvian History at the University of Latvia; Faculty of History and Philosophy, University of Latvia

11.00-11.30 Coffee break

11.30-12.30 **Session V: Forensic anthropology and archaeology** (Chair: Peter Leth)

Transition Analysis – Moving on to the next level
SVENJA WEISE. ADBOU, University of Southern Denmark

The man on the beach – a forensic case revisited
PETER TARP. ADBOU, University of Southern Denmark

The trophy skull (tentative title)
BIRGITTE SCHMIDT-ASTRUP. Forensic Institute, University of Southern Denmark

12.30-13.30 Lunch break

13.30-14.50 **Session VI: Archaeological and osteological methods - Biostatistics** (Chair: Sebastian Wärmländer)

A method for estimating age of sub-adults from infant to adulthood based on long bone length.
CHARLOTTE PRIMEAU, Department of Forensic Medicine, University of Copenhagen, Denmark

Estimating height in humans with the use of long bones. A study based on published data and stimulations in R.
TRINE BOTTOS OLSEN, ADBOU, University of Southern Denmark.

Epidemiology – the science of the denominator – rates in osteology
JESPER L. BOLDSSEN, ADBOU, University of Southern Denmark

Sex estimation from the pelvis – employing and testing the DSP: Diagnose Sexuelle Probabiliste (Probabilistic Sex Diagnosis) procedure on Danish Medieval skeletal material.
HANS CHRISTIAN PETERSEN, IMADA, University of Southern Denmark

14.50-15.20 Coffee break

15.20-16.20 **Session VI:** (continued) (Chair: Hans Christian Petersen)

Distribution of Mercury and Lead in rural and urban communities in the Middle Ages –
Assessing normal levels and extraordinary cases
KAARE LUND RASMUSSEN and LILLIAN SKYTTE, CHART SDU

The relationship between leprocy and enamel hypoplasia confounded by age at death?
LUCA NORO, ADBOU University of Southern Denmark

Methods in forensic anthropology. How big is the difference if we use new methods on old cases. Do we still get the same result? A comparison between a 20 year old report on a cemetery and a remake with new methods.

VICKI KRISTENSEN. Dept of Anthropology (ADBOU), Institute of Forensic Medicine, University of Southern Denmark

16.20-16.35 Business Meeting

16.35-18.30 Break

18.30-19.00 Guest talk: “The effects of alcohol”

MARTIN WORM-LEONHARD, Institute of Forensic Medicine, University of Southern Denmark

19.00-???.?? Conference Dinner, ADBOU, Lucernemarken, Odense

Wednesday 26th August:

09.00-17.00 **Excursion after the meeting**

Moesgaard Museum near Aarhus in Jutland. The Grauballe man exhibition etc.

On the way to Moesgaard Museum we stop at the Jelling Stones (Unesco World Heritage Site)

27-28. August: Hands on course on Bones (master + phd level) *age-sex-illnesses*