



Scientific Program

Wednesday 22 August, 2018

- 10.00-13.00 **Registration at Conference Venue:** University of Southern Denmark, main entrance.
Handing out of conference bags.
- 10.00-13.00 **Mounting of posters**
- 13.00-13.15 Official welcome by the Dean of Health Sciences, Professor [Ole Skott](#)
- 13.15-14.45 **Invited guest speaker Ben Krause-Kyora** (Auditorium O100)
Origin and spread of infectious diseases – insights from ancient DNA
- 14.45-15.00 Coffee and tea
- 15.00-17.30 Parallel Sessions 1 and 2:

Scientific session 1: Nutrition and body composition (Chair: Nick-Mascie-Taylor)

The body composition differences among polish children aged 6-13 using the decision tree algorithms.

P. Pruszkowska-Przybylska, I. Rosset, A. Sitek, D. Strapagiel & E. Żądzińska

Association of BMI at the age of 8 years with selected markers of adolescent growth spurt in boys.

Magdalena Durda-Masny, Anita Szwed, Tomasz Hanć, Zbigniew Czapla

Sex-dependent pattern of changes in percentage of body fat in given BMI across developmental periods.

Aleksandra Gomula, Agnieszka Suder, Slawomir Koziel

Changes in body composition of Hungarian female students, during university years.
Gábor Áron Vitályos, Gábor Dancs, Sarolta Darvay

Level of body fatness before pregnancy compared with changes of anthropometric parameters and feet loading in women at the end of the 1st trimester of gestation.
Agnieszka Suder, Agata Masłoń, Barbara Frączek, Marta Curyło, Marcin Salamara, Wanda Forczek.

Vitamin D supply in Hungarian children.

Annamaria ZSAKAI, Agota MUZSNAI, Piroska FEHER, Dorina ANNAR, Petra CSIZMADIA, Eva BODZSAR

Does the quality of mother's milk depend on help she receives from significant others?

Magdalena Babiszewska, Anna Ziolkiewicz, Magdalena Piosek, Anna Apanasewicz & Marek Szoltysik

15.00-17.30 **Scientific session 2: Bioarchaeology I** (Chair: George R. Milner)

Chasing the commoners – New finds from a Bronze Age excavation at Kalvehavegaard, Denmark.

Svenja Weise, Marlene Refshauge Beck

Presentation of some artificially deformed crania (5th-6th century AD) from Northeastern Hungary.

István János, László Szathmáry, László Szűcs, Mónika Molnár.

Unrelated Coastal Burials in Denmark. Rituals and Traditions.

Tim Slumstrup Aunkilde.

Interactions between biological sex and frailty: Insights from laser microscopy of enamel defects.

Gamble J, Boldsen J; Hoppa R; Milne B.

Dental enamel hypoplasia and famines: physiological stress in 18th century Provence.

Luana Batista-Goulart, Isabelle Séguy and Gérald Quatrehomme

Osteoporotic bone fractures and bone loss in males from archaeological sites in Kujawy (Poland).

J.Mietlińska, J.Karkus, M.Kurek, P.Borówka, M.Stuss, E.Sewerynek, W.Lorkiewicz, E.Żądzińska

An anthropological overview of the Balkanian populations.

Marios Dimopoulos, Greece

18.00-19.00 **Welcome Reception & first poster view** (Campus Square)

Thursday 23 August, 2018

09.00-10.30 Parallel Workshops

Workshop I: Cohort studies (Room O97)

Monitored by Nick Mascie-Taylor & Monika Krzyzanowska

Workshop II: Paleoepidemiology - the environmental importance of diseases in the past (Auditorium O100)

Monitored by George R. Milner & Jesper L. Boldsen

10.30-10.45 Coffee and tea

10.45-12.15 **Workshops I and II** continued

12.15-13.30 Lunch

(12.30-13.30) (EAA Council meeting, members only) (Room O95)

(13.30-14.30) (EAA Board meeting) (Room O95)

13.30-16.00 Parallel Sessions 3 and 4:

Scientific session 3: Bioarchaeology II (Auditorium O100)

(Chair: Jesper L. Boldsen)

Analysing the spatiality of death in Modern Portugal (15th-19th century).
Cristina Barroso Cruz, Verónica Mateus Pereira.

Staging Death or Stages of Death. Population and Ritual in Scandinavian Iron Age Society.

Sidsel Wåhlin

Haagerup Rural Cemetery – A Field School Excavation

Vicki R. L. Kristensen, Jesper L. Boldsen, Dorthe D. Pedersen

Age-identification of cremations via microstructural analysis of burned human bones.
Otto L., Braun C, Graw M, Grupe G.

From the Empire to the Early Middle Age: an isotope survey of the Roman population.
Sara Varano, Flavio De Angelis, Giordana Amicucci, Andrea Battistini, Carla Caldarini, Stefania Di Giannantonio, Romina Mosticone, Walter Pantano, Federica Zavaroni, Paola Catalano, Valentina Gazzaniga, Cristina Martínez-Labarga and Olga Rickards.

Sea spray effect in d13C, d18O, and d34S illustrated by Gaussian Mixture Model (GMM) clustering

Göhring, Andrea; Mauder, Markus; Kröger, Peer; Grupe, Gisela.

Food for thought: isotopic mixing models applied to data from early Neolithic Turkey and Greece.

Sidney Sebald, Anastasia Papathanasiou, Michael P. Richards, Gisela Grupe.

The Ornamental Shell Collection and Possible Shell Tool in Üçağızlı Cave

Ayşen Açıkkol Yıldırım, Erksin Güleç, Turkey.

13.30-16.00 **Scientific session 4: Growth- Chair:** (Room O97)

(Chair: Monika Krzyzanowska)

Undernutrition = stunting, stunting ≠ undernutrition. The old fairy tale of “clean your plate”.

Hermanussen M, Bogin B, Scheffler C.

Modern studies lack evidence of an association between nutrition and height in developing countries.

Scheffler C, Mumm R, Hermanussen M.

Influence of stress in early ontogeny on the hand development and child growth.

Monika Zemanová, Miroslav Králík, Slawomir Koziel, Pavlina Ingrová, Anna Škultétyová.

Biosocial inequalities in height in the 1970 British birth cohort
Monika Krzyzanowska, CG Nicholas Mascie-Taylor

The Effect of Sport Training on Morphological Parameters of Sport Gymnasts at Younger School Age.
Petr Kutac.

Pace-of-Life Syndrome – Life-history, risk-taking and cardiovascular physiology in adolescents.
Andreas Lehmann, Jana A Eccard, Christiane Scheffler, Ralf HJM Kurvers and Melanie Dammhahn.

Growth of contemporary Greenlandic children exceeds the WHO growth charts.
Mathieu Roelants, M. Kløvgaard, NO Nielsen, TL Sørensen, P. Bjerregaard, B Olsen, P Júlíusson, H. Christensen.

The Heath-Carter somatotype in Russian children and adults and its bioimpedance assessment
Rudnev SG, Anisimova AV, Godina EZ, Negasheva MA, Sindeyeva LV.

16.00-16.30 Coffee & tea

16.30-18.00 Parallel Sessions 5 and 6

Scientific session 5: Diseases in the past (Auditorium O100)
(Chair: Svenja Weise)

The association between skeletal lesions and tuberculosis diagnosis using a probabilistic approach.
Dorthe Dangvard Pedersen, George R. Milner, Hans Jørn Kolmos, Jesper L. Boldsen.

The effect of leprotic infection on the risk of death in medieval rural Denmark
K. Saige Kelmelis, Michael H. Price, James W. Wood.

Dining in the Danish medieval leprosarium at Næstved: using stable isotopes to reconstruct the diet
Anastasia Brozou, Niels Lynnerup, Marcello Mannino, Andrew Millard.

16.30-18.00 **Scientific session 6: Genes and Morphology** (Room O97)
(Chair: Birgitte Schmidt-Astrup)

High prevalence of CYP2C19*17 allele in the Roma population from Croatia.
Matea Zajc Petranovic, Zeljka Tomas, Tatjana Skaric-Juric, Nina Smolej Narancic, Branka Janicijevic, Marijana Pericic Salihovic.

CRIBS cohort: a base for family-based disease risk prediction.
Luka Bočkor, Ivan Dolanc, Tonko Carić, Jelena Šarac, Natalija Novokmet, Miran Čoklo, Saša Missoni.

Digit ratio (2D:4D) and month of birth: A link to the solstitial-melatonin-testosterone effect.
Anita Szwed, Magdalena Kosinska, John T. Manning.

Digit ratio (2D:4D) moderates the change in hand grip strength on an aggressive stimulus.

Sławomir Kozieł, Marek Kociuba, Zofia Ignasiak.

Sap Anthropometric Landmark: A New Morphometric Orientation Point of the Nasal Tip.

Sultanova N.N.

19.00-22.00 **Casual Conference Dinner at ADBOU, Lucernemarken 20**

Friday 24 August, 2018

09.00-10.30 **Invited guest speaker Steve Ousley** (Auditorium O100)

The State of the Science in Forensic Anthropology

10.30-11.30 **Guided poster session I**, Coffee and tea (Guided by Nick Mascie-Taylor)

11.30-12.30 Parallel Sessions 7 and 8

Scientific session 7: Forensic Anthropology (Room O97)

(Chair: Niels Lynnerup)

Forensic facial approximations: an analysis of the cross-population effect.

Amy J. Spies and Nanette Briers.

Estimating stature of black South Africans from fragmentary tibiae.

Amy J. Spies, Mubarak A. Bidmos & Desiré Brits

Sex estimation in intact and fragmentary crania using 3D derived interlandmark distances.

SMALL, C., L. SCHEPARTZ, J. HEMINGWAY, D. BRITS.

11.30-12.30 **Scientific session 8: DNA** (Auditorium O100)

(Chair: Ben Krause-Kyora)

Variability of VDR gene and susceptibility to bone loss in historical and modern populations from Poland.

Paulina Borówka, Elżbieta Żądzińska, Joanna Mietlińska, Justyna Karkus, Dominik Strapagiel, Ewa Sewerynek, Wiesław Lorkiewicz

Association of bone mineral density with LCT-13910 C/T polymorphism in ancient skeletal materials

Anna Spinek, Barbara Mnich, Maciej Chyleński, Anna Juras, Krzysztof Szostek.

Genetic origins of Armenians inferred from modern and ancient DNA.

Levon Yepiskoposyan, Anahit Hovhannisyanyan, Zaruhi Khachatryan, Armine Khudoyan.

12.30-13.30 Lunch

13.30-15.00 Parallel Sessions 9 and 10:

Scientific session 9: Peception and Surgery (Room O97)

(Chair: Maria Kaczmarek)

Celibacy, sexual abstain and religion in Czech Republic.
Věra Bártová

Gender differences in body image of young Lithuanian adults in relation to biopsychosocial factors.
Janina Tutkuvienė, Jonas Tutkus.

Visceral fat tissue amount and facial attractiveness in women.
Bogusław Pawłowski, Agnieszka Żelaźniewicz, Judyta Nowak.

Thickness of hamstring tendons for anterior cruciate ligament surgery in relation to body size.
Vytautas Tutkus, Simona Silove, Janina Tutkuvienė.

13.30-15.00 **Scientific Session 10: Biosocial Studies** (Auditorium O100)
(Chair: Michael Hermanussen)

Body image in Polish adolescent girls and underlying characteristics of menstrual cycle.
Trambacz-Oleszak Sylwia, Kaczmarek Maria.

The relationship between facial morphology, socio-economic factors and body measurements.
Marie Jandová, Petra Urbanová.

Rural-urban differences in body size and biological condition among Polish young women.
Iwona Wronka, Martyna Zurawiecka.

Maternal postpartum psychosocial stress, breast milk composition and infant temperament.
Anna Ziomkiewicz, Magdalena Babiszewska, Anna Apanasewicz, Magdalena Piosek, Szymon Wichary

Fluctuating asymmetry and socioeconomic status during childhood.
Martyna Zurawiecka.

15.00-15.30 Coffee and tea

15.30-16.30 **Guided poster session II** (Guided by Hans Christian Petersen) (Campus Square)

16.30-17.50 **Scientific session 11: Bioarchaeology III** (Auditorium O100)
(Chair: Dorthe Dangvard Pedersen)

A revised Transition Analysis method to estimate age-at-death from human skeletons.
Weise S, Boldsen JL, Getz SM, Milner GRM, Ousley SD, Tarp P.

Imperial Rome Pathocenosis: A Holistic Approach to Disease.
De Angelis F., Martínez-Labarga C., Götherström A., Catalano P., Gazzaniga V., Rickards O.

A dish case observed on skeleton from middle ages Muslumantepe of Diyarbakir.
AY Nazli

Bone injuries in the archaeological skeletal material as a source of historical information.
Agata Cieřlik

Saturday 25 August, 2018

09.00-10.30 **Invited guest speaker Roberto Macchiarelli:** (Auditorium O100)
From the outer morphology to the inner structure. Recent advances and perspectives in the study of the hominin fossil record

10.30-11.00 Coffee and tea

11.00-13.00 Parallel Sessions

Scientific session 12: Growth and Disease (Auditorium O100)

(Chair: Janina Tutkuvienė)

Birth Cohort as a Tool for Exposing the Transgenerational Exposome – CRIBS Study Example.

Miran Ćoklo, Ivan Dolanc, Tonko Carić, Antonija Brozović Krijan, Luka Bočkor, Saša Missoni.

Nutritional status of children with upper gastrointestinal diseases regarding breath H₂ excretion.

Katarzyna Pawłowska-Seredyńska, Katarzyna Akutko, Wioleta Umławska, Barbara Iwańczak.

Growth and nutritional states of children with adenotonsillar hypertrophy.

Wioleta Umławska, Katarzyna Pawłowska-Seredyńska, Katarzyna Resler, Monika Morawska-Kochman, Tomasz Kręcicki.

Serum concentration of insulin growth factor-1, its binding protein-3 and risk of hot flashes in middle aged women from Poland.

Kaczmarek Maria, Pacholska-Bogalska Joanna, Kwaśniewski Wojciech, Kotarski Jan, Halerz-Nowakowska Barbara, Goździcka-Józefiak Anna.

The relationship between bone status and oestrogen hormone level in girls and adult women

Piroska FEHER, Dorina ANNAR, Annamaria ZSAKAI, Eva BODZSAR.

11.00-13.00 **Scientific session 13: Paleoanthropology** (Room O97)

(Chair: Hans Christian Petersen)

The reconstruction of the stalagmitic floor, beneath of which the Petralona Man's skeleton was laying

Nickos A. Poulianos,

Understanding human evolution as a process

Jesper L. Boldsen, Hans Christian Petersen, ADBOU, IMADA, University of Southern Denmark

Three leaps in human evolution

Oktay Kaynak

- 13.00-13.30 **General assembly and Awards**, Closing of EAA 2018 and Goodbye
13.30 Lunch-to-go
- 14.00- Excursion by bus to the [Jelling Monuments](#) (Unesco World Heritage)

Poster Session I – Friday 24th August at 10.30-11.30

(Guided by Nick-Mascie-Taylor)

1. Assessment of physical, motor and performance characteristics of young wrestlers from Sivas, Turkey.
Sercan ACAR, 2Başak KOCA ÖZER.
2. Perceived and diagnosed health in elderly people from Brazil and Spain.
Pilar Montero López, Ana Isabel Mora Urda, Taísa Sabrina Silva Pereira, M Carmen Bisi Molina
3. A comparative dermatoglyphic characteristic of Bulgarian populations.
Nadegda Paraskova, Zorka Mitova. Sofia University,
4. Heritability estimation of 2D:4D finger ratio in a Chuvashian populationbased sample.
E. Kobylansky, V. Batsevich, L. Kalichman.
5. Foot morphology in seniors.
Marek, Pavel; Přidalová, Miroslava; Kaplanová, Tereza.
6. Evolution of de novo genes in humans and other primates.
Daniel Dowling.
7. The relationship between facial morphology and sociosexuality.
Marie Jandová, Pavlína Ingrová, Miroslav Králík, Petra Urbanová, Věra Bártová.
8. Assessment of physical, motor and performance characteristics of young wrestlers from Sivas, Turkey.
Sercan ACAR, 2Başak KOCA ÖZER.
9. The Secular Trend of the Physical Growth and Development of Boys and Girls Aged 6 to 14 Years over the Past 120 Years in the Czech Lands.
Miroslav Kopecký.
10. Dietary intake and nutritional status of children and adolescents aged 6-17 years in Turkey.
Başak Koca Özer, Cansev Meşe.
11. Correlation between anthropometric measurements, somatotype, and blood pressure of children 7-12 years old in Yogyakarta Province, Indonesia.
Neni Trilusiana Rahmawati, Janatin Hastuti, Rusyad Adi Suriyanto, and Zaenal Muttaqien.
12. Current somatic status of primary school children in Czech Republic.
M. Pridalova, V. Zborilova, T. Podzimkova, M. Cinařova.
13. Evaluation of Growth Profiles of Preschool and School Children in Ankara, Turkey.
Basak KOCA OZER, Aysegul OZDEMIR, Sibel ONAL, Cansev MESE, Neriman ARAL, Mudriye BICAKCI, Ece OZBAL, Sebahat AYDOS.
14. Validity and accuracy of self-reported height and weight among Turkish adolescents.
Sibel ÖNAL, Ayşegül ÖZDEMİR, Başak KOCA ÖZER.

15. Weight status of primary school children In the Czech Republic.
Vendula Zbořilová, Miroslava Přidalová, Tereza Podzimková, Pavel Marek.
16. Sex-related differences in chest dimensions and shape in 9-10 – years-old Bulgarian children.
Albena Dimitrova, Ivaila Yankova Pandourska.
17. Patterns of skinfold thickness and nutritional status of Indonesian children and adolescents aged 6 – 18 years.
Janatin Hastuti, Neni Trilusiana Rahmawati, and Rusyad Adi Suriyanto.

Poster Session II – Friday 24th August at 15.30-16.30

(Guided by Hans Christian Petersen)

18. Homicide?
Søren Christoffersen and Dorthe Dangvard Pedersen
19. Hans Christian Andersen's toothaches
Marianne Lauritzen, Bodil Theilade
20. Morphological study of jugular foramen using 3D models of adult skulls.
Diana Toneva, Silviya Nikolova, Dora Zlatareva , Vassil Hadjidekov.
21. A case of bilateral squamosal suture obliteration in adult male skull.
Silviya Nikolova, Diana Toneva, Ivan Georgiev.
22. Forensic taphonomy in an indoor setting.
Ann-Sofie Ceciliason, Håkan Sandler.
23. Regular and irregular burials from Ottoman period and Revival (15th-19th c) in West Bulgaria.
Nadezhda Atanassova. Vladislav Todorov.
24. Pleistocene human traces in Ankara province, Turkey (2017)
Mehmet Sağır, İsmail Özer, İsmail Baykara, Seçil Sağır, Serkan Şahin, Sibel Önal, Ayşegül Özdemir
25. Human activity in Pleistocene Period in West Anatolia, Turkey.
İsmail Özer, Mehmet Sağır, İsmail Baykara, Berkay Dinçer, Başak Koca Özer, Serkan Şahin, Ece Eren, Ayşegül Özdemir.
26. Functional Analysis of Ahmarian Points at Üçağızlı Cave, Turkey.
Ece EREN, Erksin GÜLEÇ, Steven L. KUHN.
27. Age and sex in Ribe – A comparison between osteological results and historical records.
Mette Alexandersen
28. Breaking the Age Barrier: Trauma in Adults and the Elderly in the Danish Middle Ages.
Elizabeth Stevens, Robert D. Hoppa. University of Manitoba.

29. Morphology of facial skeleton of the early Medieval elites (9th –10th century AD, Czech Republic).
Šárka Bejdová, Petr Velemínský, Ján Dupej, Lumír Poláček, Jana Velemínská.
30. Diet, Lifestyle and Disease in a Copper Age community from “La Sassa” cave (Italy).
M. Romboni, F. De Angelis, F. Cortese, E. Romano, M.F. Rolfo, O. Rickards, L. Alessandri.
30. The influence of oral health on the mandibular cortex in three archaeological populations from Croatia.
Ivana Savić Pavičin, Anita Adamić, Marin Vodanović, Mario Šlaus.
31. Mobility in the Empire: oxygen isotope survey of Imperial Rome communities
Luca Gaspari, Flavio De Angelis, Andrea Battistini, Carla Caldarini, Stefania Di Giannantonio, Walter Pantano, Federica Zavaroni, Paola Catalano, Cristina Martínez-Labarga and Olga Rickards
32. Cortical Bone Size and Stress in the Black Friars Cemetery: Evidence from Survivors and Non-Survivors.
Parker K, Beauchamp A, Scott AB, Boldsen JL, and Hoppa RD.
33. Dietary patterns and migration in pre-industrial Copenhagen.
Marie Louise Jørkov, Darren R. Gröcke, Janet Montgomery
34. Bioarchaeological Analyses of Growth Status of Havuzdere Medieval Infant, Child and Adolescent Population.
Ayşegül ÖZDEMİR, Ece EREN, Başak KOCA ÖZER, İsmail ÖZER.
35. Childhood diet at medieval (1240s AD) Solt-Tételhegy, Hungary as reconstructed from stable carbon and nitrogen isotope analyses.
Ariana Gugora, Tosha L. Dupras, Erzsébet Fóthi
36. DNA fingerprinting and Genetic history of Pacific islands peoples.
Melida Ines Nunez Castillo; Susanne Hummel.
37. Age at death through 1000 years
Peter Tarp
38. A skull without its postcranial skeleton – a forensic or bioarchaeological case?
Dorthe Dangvard Pedersen, Birgitte Schmidt Astrup.