

**46th Annual North American Meeting of Paleopathology Association  
Cleveland (Ohio), 25-27 March, 2019  
Scientific Program (provisional)**

**MONDAY, March 25**

8:30 am-5:00 pm      Pre-meeting excursion (soon available)      *Meet at Hilton Lobby*  
6:00 pm-9:00 pm      Registration      *Hilton Lobby*

**TUESDAY, March 26**

7:45 am-5:00 pm      Registration      *Hilton Hope Foyer*  
8:30 am-5:00 pm      Student Action Committee Raffle

8:30 am-11:30 am      Workshop I      [Cleveland Museum of Natural History](#)  
**Diagnosing treponemal infection in human skeletal remains**  
Hosted by Brenda J BAKER, Maciej HENNEBERG, Charlotte A ROBERTS and Ann LW STODDER

8:30 am-11:30 am      Workshop II      *Hilton Center Street A*  
**Assessing methods of recording cranial porotic lesions**  
Hosted by Amy ANDERSON, Dale HUTCHINSON and Marie DANFORTH

Lunch    **11:30 am-1:30 pm**

**1:30 pm-2:15 pm**      Keynote lecture      Chair Niels LYNNERUP      *Hilton Hope BC*  
**The dead teaching the living: Contribution of the Hamann-Todd Osteological collection to paleopathology**  
Yohannes HAILE-SELASSIE

**2:15 pm-3:30 pm**      Podium Presentation – Part I      Chair Sharon DeWITTE      *Hilton Hope BC*

2:15    **Townscapes: Reflections on middle Bronze Age life in Sidon (Lebanon)**  
Chris STANTIS, Nina MAARANEN, Arwa KHARABI and Holger SCHUTKOWSKI      ++

2:30    **Skeletal evidence of violent conflict in Judea during the 2<sup>nd</sup>-1<sup>st</sup> century BCE**  
Piers D MITCHELL, Jenna M DITTMAR, Yossi NAGAR, K ARVIV and Tehilah LIEBERMAN

2:45    **Too Good To Be True. Transdisciplinary approach to health: The Hellenistic burial ground at the Oasis of Tayma, Saudi Arabia, a case study**  
Emmanuele PETITI, Julia GRESKY and Arnulf HAUSLEITER      ++

3:00    **Investigating the relationship between diet, mandibular morphology, malocclusion, and dental caries through time in Britain**  
Cara S HIRST      \*\*\*

3:15    **The antiquity of hydrocephalus: reassessment of existing knowledge and multidisciplinary analysis of the cases from the Museum of Anatomical Pathology of the University of Florence**  
Francesco Maria GALASSI, Elena VAROTTO, Raffaella SANTI and Gabriella NESI

Coffee break **3:30pm-3:50pm**

*Hilton Hope Foyer*

**3:50 pm-5:30 pm**

Symposium

Chairs Anne GRAUER and Anne KATZENBERG

*Hilton Hope BC*

**Honoring Jane Buikstra, Inaugural editor of *International Journal of Paleopathology***

3:50 **Jane Ellen Buikstra: Formative years**

Della Collins COOK

4:00 **The birth of Bioarchaeology in North America**

Mary Lucas POWELL

4:10 **“Out of the appendix and into the dirt”: The importance of mortuary analysis in Jane Buikstra’s Bioarchaeology**

Megan PERRY

4:20 **The “White Plague”: Jane’s contributions to understanding the origin, evolution and history of tuberculosis**

Charlotte A. ROBERTS

4:30 **Bone chemistry and paleopathology**

M. Anne KATZENBERG

4:40 **Clarity and nuance: The evolution of data collection in paleopathology**

Ann L.W. STODDER

4:50 **Scientific rigour in palaeopathological diagnosis and interpretation**

Simon MAYS

5:00 **Paleodemography and Paleopathology: Two fields with several common, yet still elusive, goals**

George R MILNER

5:10 **Burning, bootprints and decapitation: The contributions of Jane E. Buikstra to the maturation of the Forensic Anthropology discipline**

Dawnie STEADMAN

5:20 **Closing words**

**5:30 pm-6:45 pm**

Student Action Committee Events

*Hilton Hope BC*

**5:30 pm-6:15 pm**

Student Group Discussion Panel

**Chair Ashley DAFOE**

**Title** (Soon available)

**Panelists:** (Soon available)

**6:15 pm-6:45 pm**

Student Group Meeting

**6:45 pm-10:00 pm**

Cash bar followed by *Association Business Meeting* and Dinner

*Hilton Hope E*

### WEDNESDAY, March 27

**8:00 am-12:00 pm**

Registration

*Hilton Hope Foyer*

**8:30 am- 5:00 pm**

Student Action Committee Raffle

\*\*\* Entrant for the Cockburn Student Prize ++ Entrant for the Early Career Prize



- G. The intersections of industrialization: Variation in physiological stress indicators by age, sex, and socioeconomic status**  
Samantha YAUSSY
- H. The Proud Tower in the town: Cholera and tuberculosis among the working poor in early twentieth century Milwaukee**  
Norman SULLIVAN, Sydney RESLER, Noel HINCHA, Sean DOUGHERTY and Colleen MILLIGAN
- I. Did the rise of industry was also those of tuberculosis? Epidemiological evolution of TB in France (18th-20th cent.) inferred from osteoarchaeological and historical archives**  
Olivier DUTOUR, Antony COLOMBO and H el ene COQUEUGNIOT
- J. The impact of Industrialisation on neoplastic disease in Britain: A study of medieval and late post-medieval samples**  
Sabrina SORIA and Jo BUCKBERRY \*\*\*
- K. Industrialization and the prevalence of osteoarthritis in the United States**  
Ian WALLACE, Robert D JURMAIN and Daniel E LIEBERMAN
- L. The cooper, the sailor, and the shoemaker's wife: Occupational hygiene amongst London's eighteenth-century working poor**  
Madeleine MANT
- M. Dietary patterns and migration in pre-industrial Copenhagen**  
Marie Louise S J ORROV, Janet MONTGOMERY and Darren R GR OCKE
- N. Life and Death in 19th-Century Illinois: Issues of Immigration and Industrialization**  
Kelsy DORN, Edith PEREZ, Anne PLUCHAR and Anne GRAUER

**10:00 am-11:30 am**     Poster Session I

*Convention Center Ballroom BC*

Posters in place all day. Authors of ODD numbered posters will be present during this break. Poster titles and authors listed, alphabetically, at the end of the program.

**11:30 am-1:30 pm**     **Let's Do Lunch** (optional)

**1:30 pm-2:45 pm**     Podium Presentation – Part III

**Chair** Sandra Garvie-Lok

*Hilton Hope BC*

**1:30**     **Prehistoric shark attack victim from Tsukumo, Okayama Prefecture, Japan: Skeletal mapping and patterning in 3D GIS**

J Alyssa WHITE, John POUNCETT, Rick SCHULTING, George BURGESS, Masato NAKATSUKASA, Soichiro KUSAKA, Yasuhiro YAMADA and Minoru YONEDA \*\*\*

**1:45**     **Sutural anomalies as a possible indicator of complex syndromes at Koster Mounds (Greene County, Illinois)**

Lita SACKS \*\*\*

**2:00**     **Reconstructing physical impairment in Medieval Cambridge society: A biomechanical approach**

Jenna M DITTMAR, Bram MULDER, Piers D MITCHELL, Sarah INSKIP, Benjamin NEIL, Craig CESSFORD, Jay STOCK and John ROBB ++

- 2:15 **The impacts of migration on skeletal pathology in nineteenth and twentieth century St. Louis, Missouri**  
Kristina M ZARENKO \*\*\*
- 2:30 **Hard beginnings in Colonial Otago, New Zealand: Deciduous dental defects associated with in-utero vitamin d deficiency?**  
Anne Marie E SNODDY, Hallie R BUCKLEY, Peter PETCHEY, Siân E HALCROW, Charlotte L KING, Rebecca L KINASTON and Lisa MATISOO-SMITH ++

**2:45 pm-4:00 pm** Poster Session II *Convention Center Ballroom BC*

Posters in place all day. Authors of EVEN numbered posters will be present during this break. Poster titles and authors listed, alphabetically, at the end of the program.

Coffee break **3:00 pm-4:00 pm** *Convention Center Ballroom BC*

**4:00 pm-5:45 pm** Podium Presentation – Part IV **Chair** Dong Hoon Shin *Hilton Hope BC*

- 4:00 **Craniofacial dysplastic bone lesions and their differential diagnoses in three individuals of a Bronze Age cemetery in Tajikistan**  
Julia GRESKY
- 4:15 **Paleopathology of two Neolithic mass burials from Jagodnjak, Croatia**  
Mario NOVAK, Dinko TRESIĆ PAVIČIĆ and Ivor JANKOVIĆ
- 4:30 **The effects of selective breeding on incidence of bone disease in domesticated dogs (*Canis familiaris*)**  
Elizabeth W UHL
- 4:45 **Recent updates in phylogenetic analysis of ancient trematodes using the feces of Korean mummies of Joseon Dynasty**  
Jong Ha HONG, Chang Seok OH, Min SEO and Dong Hoon SHIN
- 5:00 **Tycho Brahe, Danish Renaissance man: A rich table but short life**  
Niels LYNNERUP, Sacha KACKI, Petr VELEMINSKÝ, Sylva KAUPOVÀ, Alizé L JEANSON, Ctibor POVYSIL, Martin HORÀK, Jan KUCERA, Kaare LUND RASMUSSEN, Jaroslav PODLIŠKA, Zdenek DRAGOUN, Jiri SMOLIK, Jens VELLEV and Jaroslav BRUZEK
- 5:15 **On fevers and other foes of humankind: An inventory of diseases that raged the city of Almada (Portugal) during the late 18<sup>th</sup> century**  
Francisco CURATE and Telmo ANTÓNIO
- 5:30 **Postcranial and cranial trauma comparative analysis of the Mississippi State Asylum skeletal assemblage (AD 1855-1935)**  
M Cate McALPINE, Andrea M LOPEZ and Petra BANKS

**5:45 pm** Closing Remarks and Announcements, Award of Cockburn Student Prize and Early Career Prize, Announcements of Student Group Raffle and Silent Auction **Chair** Niels LYNNERUP

**FRIDAY, March 29**

AAPA - PPA joint session (abstracts are in AAPA Meeting Program Abstracts)

**The evolution of syphilis: A new approach**

CC Ballroom A

Invited Podium Symposium

Chair Brenda BAKER

2:30 **Treponemal infections: One disease or many?**

SA LUKEHART and DC MABEY

2:45 **Disease ecology and the relationship of human- and nonhuman primate infecting *Treponema pallidum***

S KNAUF and C ROOS

3:00 **Phylogenetic investigations of *Treponema pallidum* and related spirochetes**

S WININGEAR and AC STONE

3:15 **Historic *Treponema pallidum* genomes: Towards a reconstruction of the evolution of treponemal diseases using ancient DNA**

VJ SCHUENEMANN

3:30 **Radiocarbon evidence pertaining to the origin and spread of treponemal disease**

M DEE

3:45 **A biogeochemical assessment of treponemal disease: Diagnosis, host mobility, & mercury treatment**

LA GREGORICKA

4:00 **A critical review of diagnostic criteria used to identify treponemal infection in human skeletal remains**

B.J. BAKER

4:15 **Treponemal disease in Europe: A critical review of the skeletal evidence**

CA ROBERTS

4:30 **Silent evidence of Pre-Columbian treponemal infection in the Western half of the Old World**

M HENNEBERG and RJ HENNEBERG

4:45 **Evaluating the evidence of treponemal disease from India**

V MUSHRIFTRIPATHY

5:00 **The antiquity of Treponemal disease in the Asia-Pacific regions: Implications for settlement history**

HR BUCKLEY, M VLOK, K DOMETT, H HOANG TRINH and M OXENHAM

5:15 **Sociopolitical patterns in treponemal disease prevalence in the pre-Columbian eastern United States**

MO SMITH and TK BETSINGER

5:30 **Discussion:** Moderated by Brenda BAKER