

# Bone workshop and conference 2015 - Prague

## Final program

### Thursday December 3<sup>rd</sup>, 2015 – TOP Hotel (congress room KS I)

10:00-13:30	Registration
13:30-13:40	Conference opening
13:40-14:10	Pushing the limits of DNA analyses from fossil bone <i>Michael Hofreiter, University of Potsdam, Germany</i>
14:20-14:40	Investigating specialist DNA techniques for improving DNA identification success rates from compromised human remains <i>Jodie Ward, New South Wales Forensic &amp; Analytical Science Service, Australia</i>
14:40-15:00	An overview of DNA studies on skeletal remains of famed people <i>Daniel Vanek, Forensic DNA Service, CZE</i>
16:00-16:30	Coffee break
16:30-19:00	Technology Advances to Enhance Analyses of Human Remains, report ongoing projects on the University of North Texas <i>Bruce Budowle, University of North Texas, TX, USA</i>

### Friday December 4<sup>th</sup>, 2015 - TOP Hotel (congress room KS I)

9:00-9:40	Optimizing DNA Identification of Human Skeletal Remains <i>Jeremy Austin, University of Adelaide, Adelaide, South Australia</i>
9:40-10:10	Degenerate Oligonucleotide Primed PCR (DOPPCR) and Massively Parallel Sequencing (MPS): Strategies for Improved Analyses of Degraded DNA from Human Skeletal Remains <i>Angie Ambers, University of North Texas, TX, USA</i>
10:10-10:35	Mediaeval Population in the Centre and Country. Archaeology, Bioarcheology and Genetics of cemeteries of Prague Castle, central and Eastern Bohemia <i>Jan Frolík, Institute of Archaeology Prague, CZE</i>
10:35-11:00	Dynasty and population of the Piast state in view of the integrated historical, anthropological and genomic studies <i>Marek Figlerowicz, Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poland</i>
11:00-11:30	Coffee break
11:30-11:50	Burial sites of Prague Castle and the possibility of their social interpretation based on isotope analysis. <i>Sylva Kaupova, National Museum, CZE</i>
11:50-12:10	“People on the edge”. A medieval necropolis in the town of Český Brod (Central Bohemia) and its interpretation. <i>Jan Frolík, Institute of Archaeology Prague, CZE</i>
12:10-12:30	Comparison of DNA Extraction Methods for Compromised Skeletal Remains – a Case Study <i>Melissa Cullen, New South Wales Forensic &amp; Analytical Science Service, Australia</i>
12:30-13:00	DNA identification of the victims of the Malaysia Airlines flight MH17 crash <i>Lindy Clarisse, Netherlands Forensic Institute, The Netherlands</i>
13:00-14:15	Lunch
14:15-14:45	Evaluation of 1st Collaborative Exercise, Guidelines for the 2nd Collaborative Exercise <i>Daniel Vanek, Forensic DNA Service, CZE</i>
14:45-15:10	Process of Bone sample DNA typing step by step: comparison of procedures, hints and recommendations <i>Daniel Vanek, Forensic DNA Service, CZE</i>
15:10-15:30	Modern possibilities of digital photogrammetry during 3D modelling of skeletal corpses <i>Jiri Sindelar, GEO-CZ, CZE</i>
15:30-16:30	Coffee Break and <b>Discussion at posters</b> All poster authors will briefly (in approx. 3 minutes) introduce their work
16:30-18:00	<b>Practical training</b> DIGITAL PHOTOGRAMMETRY (conversion of source photographs into 3D model) Grinding in cryogenic mill SPEX SamplePrep Bone sample preparation in OSTEOBOX

**18:30-20:00 Dinner in Bohemian Restaurant (Top Hotel)**

**20:00-24:00 Social Event - Live Music (Top Hotel, KS I)**

**Saturday December 5<sup>th</sup>, 2015 - TOP Hotel (congress room KS I)**

8:30-11:00	Forensic Identification of Missing Persons: Issues, Strategies and Experiences <i>Bruce Budowle, University of North Texas, TX, USA</i>
11:00-11:30	Coffee break
11:30-12:00	The "Roots Project". Rapid Analysis of mtDNA and YDNA from Bone in Tracing of Displaced Human Lineages <i>Bruce Jackson, MassBay Community College, MA, USA</i>
12:00-12:20	Biostatistical analysis of ancient DNA <i>Frank Goetz, Qualitype, Germany</i>
12:20-12:40	The forensic analyses in isolated populations <i>Edvard Ehler, Charles University in Prague, CZE</i>
12:40-13:00	Comparison of Y-chromosome haplogroup predictors <i>Daniel Vanek, Forensic DNA Service, CZE</i>
13:00-13:15	Conference closing

**Posters (discussion at posters on Friday December 4<sup>th</sup>)**

Angie AMBERS, Jennifer D. CHURCHILL, Jonathan L. KING, Monika STOLJAROVA, Harrell GILL-KING, and Bruce BUDOWLE	Characterization of Unidentified 140-Year-Old Human Skeletal Remains using Massively Parallel DNA Sequencing
Angie AMBERS, Harrell GILL-KING, Dennis DIRKMAAT, Robert BENJAMIN, Jonathan KING, and Bruce BUDOWLE	Autosomal and Y-STR Analysis of Degraded DNA from the 120-Year-Old Skeletal Remains of Ezekiel Harper
Sheila TIERNEY, Jeremy BIRD	Ancient DNA Analysis of an Irish Medieval Population
Eszter DUDÁS, Éva SUSA, Horolma PAMJAV, Zoltán SZABOLCSI	Identification of Gyula Ágner a hero of the World War II based on classical anthropological and mitochondrial DNA results
Victoria MOORE, John SYMEON	Identification of WWI Commonwealth Soldiers
Ana TOSOVIC, Katarina PERISIC, Marina SAVIC, Jelena STOSIC	DNA identification from different bone types
Jitka VOTRUBOVA, Hana BRZOBOHATA, Daniel VANEK	Pre-extraction removal of PCR inhibitory agent (vivianite) found on excavated bones
Jirina JOSEFIOVA, Martin POSPISEK, Daniel VANEK	Influence of peracetic acid on quality of microbial DNA typing