



ICP2026 Conference Program

Tuesday June 23

(Session in auditorium's **LEFT** part)

- 9:00-10:00 **Plenary Talk: Ian Barnes:** From a Simple Beginning to Endless Forms
- 10:00-10:15 **Mathias Currat:** Unravelling spatio-temporal admixture dynamics in the Neolithic using spatially explicit Paleogenomic simulations
- 10:15-11:00 **Coffee break (45 min)**
- 11:00-11:15 **Patrícia Santos:** De novo assembly of ancient metagenomic data from dental calculus to disentangle the Neolithic transition in Southern Europe
- 11:15-11:30 **Michael Westbury:** Evolutionary history and genomic vulnerability of the extinct giant deer *Megaloceros giganteus*
- 11:30-11:45 **Bianca De Sanctis:** The ancient subglacial precipitate microbiome
- 11:45-12:00 **Daniel Wegmann:** Accurate genotype likelihoods for ancient DNA
- 12:00-13:30 **Lunch break (90 min)**

LEFT

Human evolution

Keynote Talk: Mattias Jakobsson

The unique genomics of ancient southern Africans

Kristiina Tambets: Population structure revealed by ancient DNA: comparison of rural and urban communities of Medieval Estonia

Mario Apata: Paleogenomic and functional insights into human adaptation to toxic metals in the Andes

Jiaqi Yang: Contact with archaic humans and Paleolithic origins of East Asians

Javier Serrano: The impact of isolation on ancient North African islanders

Ricardo Rodríguez Varela: Conflict and Convergence: The Archaeogenetic legacy of Medieval Islamic Iberia

Corey Alwell: Population size dynamics through the European Later Stone Age

Coffee Break (30 min)

Kendra Sirak: A paleogenomic history of Colombia's eastern highlands

Nadav Mishol: Uncovering the role of regulatory variants in human evolution

Emrah Kırdök: Metagenomic reconstruction of ancient oral microbiota from dental calculus: Preliminary results from 13th c. Niceae dental calculus samples

Nikola Vukovic: Local hunter-gatherer legacies in Neolithic Iberian genomes (4300–1700 yrs BCE)

Dan Ju: Ancient genomes uncover the spatiotemporal dynamics of adaptive evolution in Neolithic East Asia

Martina Guli: Archaic introgression in pre-European contact Americas

Maxime Brami: Lepenski Vir revisited. Exploring site-level interactions between farmers and foragers

Mateja Hajdinjak: Genomes of late Neanderthals

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RIGHT

Museomics

Keynote Talk: Katerina Guschanski

Beyond skins and skulls: Temporal metagenomics from museum collections

Paula Campos: Historic overexploitation, genetic erosion & local extinction: Palaeogenomic insights into the decline of *Eubalaena glacialis* in NE Atlantic

Jeon Myeongjune: Molecular dissection of century-scale flowering adaptation using historical plant genomes *glacialis* in Northeast Atlantic

Nic Rawlence: Ancient DNA unveils the evolutionary history and palaeoecology of the extinct *mātuhituhi* bush wren

Markella Moraitou: Studying the evolution of the oral microbiome of wild mammals using dental calculus metagenomics

Miriam Bravo: Genomic reconstruction of pathogens from modern and historical Chimpanzees of Gombe, Tanzania

Patricia Lang: Tracking molecular mechanisms of plant adaptation to climate change with herbaria

Coffee Break (30 min)

Michael Mitschke: Signals of hybridization between commercial and wild bumblebees revealed by museum genomics

Sarah Saadain: A pest's path to perfection: Genomic evolution of the German cockroach across 150 Years

John Richards: Museum specimens characterize natural repertoire of antimicrobial resistance in wildlife and reveal human impact of antibiotic use

Marc Friedländer: Historical RNA expression profiles from the extinct Tasmanian tiger

Mary Lucas: Exploring ancient DNA preservation in archaeological museum materials

Robert Kofler: Are humans driving widespread invasions of intragenomic parasites in insects?

Sadbh Carrick: Ancient DNA of medieval manuscripts

Enrico Bazzicalupo: Understanding the history of herring periods (Sillperioder) on the west coast of Sweden: a temporal genomics approach

Poster mingle (90 min)



ICP2026 Conference Program

Wednesday June 24

(Session in auditorium's **LEFT** part)

- 9:00-10:00 **Plenary Talk: Johannes Krause:** From pandemic to protection: The genetic history of plague and its impact on our genome
- 10:00-10:15 **Benjamin Vernot:** The dirt on sediment DNA: Where does it really come from?
- 10:15-11:00 **Coffee break (45 min)**
- 11:00-11:15 **Amanda Lindahl:** Let's talk about sex... ratios in the fossil record of rodents
- 11:15-11:30 **Amy Holguin:** Unlocking archives: Evaluating the preservation of ancient DNA in archival waterlogged archaeobotanical assemblages
- 11:30-11:45 **Gabriel Renaud:** Alignment of aDNA fragments to panmitogenomes and inference of hominin sources for low-coverage data
- 11:45-12:00 **Selina Brace:** Beachy Head Woman: clarifying her origins using a multiproxy anthropological and biomolecular approach
- 12:00-13:30 **Lunch break (90 min)**

LEFT

Wild animals & plants

Keynote Talk: He Yu

Paleogenomic study of Pleistocene megafauna from temperate Eurasia

Molly Cassatt-johnstone: Paleogenomics reveals arctic range and aquatic specialization in the American "cheetah", *Miracinonyx trumani* 14:00-14:15

Sina Baleka: Mid-Pleistocene ground squirrel palaeofeces shed light on North American mammoth migration 14:15-14:30

Dave Stanton: The Lost Kingdom: Palaeogenomics of the cave lion 14:30-14:45

Deon De Jager: Palaeogenomic insights into late Quaternary African faunas 14:45-15:00

Pascale Lubbe: Titans of the skies: Accipitrid palaeogenomes provide insight into rapid island gigantism 15:00-15:15

Christoph Schwörer: Extracting ancient DNA from plant macrofossils across the European Alps to reconstruct postglacial population dynamics 15:15-15:30

Coffee Break (30 min)

Xenia Wietlisbach: Ancient genomes from Alpine caves shed light on past ibex populations and the impact of a major anthropogenic bottleneck 16:00-16:15

Alexandre Gilardet: Yak X: an archaic bovine from Denisova Cave 16:15-16:30

Eline Lorenzen: Four centuries of commercial whaling eroded 11,000 years of population stability in bowhead whales 16:30-16:45

Patrick Arnold: Parapatric speciation in extinct Late Pleistocene rhinos 16:45-17:00

Mateusz Baca: Ancient and modern vole genomes hint at the reorganization of small mammal communities triggered by the Last Interglacial Period 17:00-17:15

Ioana Meleg: Tracing cave bear population turnovers and east-west expansion through ancient genomes 17:15-17:30

Shu-Jin Luo: The Japanese archipelago sheltered cave lions, not tigers, during the Late Pleistocene 17:30-17:45

Scott Cocker: A rodent's view of Middle Pleistocene Beringia 17:45-18:00

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Poster mingle (90 min)

RIGHT

Pathogens & microbiomes

Keynote Talk: Lucy van Dorp

Uncovering the drivers of pathogen evolution from aDNA to modern disease

Zoé Pochon: Deep-time *Leptospira* and *Borrelia* in Eurasian water voles revealed by ancient metagenomics 14:00-14:15

Matti Heino: Ancient genomes illuminate the evolutionary history of Merkel cell polyomavirus 14:15-14:30

Davide Bozzi: Ancient *Treponema pallidum* genomes reveal phylogenetic diversity and lineage persistence through time in South American populations 14:30-14:45

Vincent Thygesen: Characterization of the ancient human oral microbiota recovered from teeth 14:45-15:00

Arve Lee Willingham Grijalba: Investigating past human mobility and interactions through Phylogenomics of ancient commensal microbes. 15:00-15:15

Coffee Break (30 min)

Gabriel Yaxal Ponce Soto: High-res oral microbiome analyses by mapping metagenomic data on a new curated genomic database of oral microbes 16:00-16:15

Toni De Dios Martínez: Co-infection of *Yersinia pestis* and other zoonoses during Italian prehistory 16:15-16:30

Maria Lopopolo: Clade-specific evolutionary rates and regional diversity in *Mycobacterium lepromatosis* across regions and times 16:30-16:45

Louis L'Hôte: Reconstructing 3,500 Years of sheeppox virus evolution using archaeological and codicological genomes 16:45-17:00

Daniel Anton Myburgh: Tracing the pre-antibiotic osteomyelitis pathogens behind today's hospital superbug epidemics 17:00-17:15

Hernán Burbano: Historical genomes reveal a centuries-long competition-colonization trade-off in *Pseudomonas* 17:15-17:30

Irina Velsko: Leveraging ancient metagenome-assembled genomes to understand pathogenicity evolution in microbiome species 17:30-17:45

Ravneet Sidhu: Studying disease amidst the expansion of Medieval and Early modern plague networks in Anatolia 17:45-18:00



ICP2026 Conference Program

Thursday June 25

(Session in auditorium's **LEFT** part)

- 9:00-10:00 **Plenary Talk: Christina Warinner:** Dynamic changes and species loss in the human oral microbiome and the future of lost genomes
- 10:00-10:15 **Mehmet Somel:** Residence patterns in the earliest sedentary societies
- 10:15-11:00 **Coffee break (45 min)**
- 11:00-11:15 **Kaaviya Balakrishnan:** Natural or Neolithic? Re-evaluating the origins of the Orkney vole
- 11:15-11:30 **Jan Laine:** Ancient stickleback genomes reveal the temporal dynamics of parallel adaptation
- 11:30-11:45 **Vanessa Paynter:** SmallRNA preservation in >41000 year old permafrost: Evidence from a Pleistocene moth
- 11:45-12:00 **Yuejiao Huang:** Tracing the evolutionary history of Epstein-Barr Virus using modern and ancient genomes
- 12:00-13:30 **Lunch break (90 min)**

LEFT

Novel approaches

Keynote Talk: Richard E Green

Forensics in the Genomics Era

Emilio Mármol Sánchez: Ancient RNA expression profiles from the extinct woolly mammoth

Michelle Hämmerle: The world's highest ritual sacrifice: A long journey and severe health stress revealed through non-invasive mummy sampling.

Hannah Moots: Palaeogenomic insights into Mammoth herd structure, anthropogenic bone accumulation sites & Late Pleistocene hunting strategies

Anna White: Ancient DNA from birch tar artefacts: insights into population structure and gendered practices in Neolithic Alpine Europe

Miriam Ibáñez: NEWINDS of Time: Decoding past environments through ancient eDNA.

Ryan Sinclair Paterson: Beyond palaeogenomics: benchmarking the survival and authenticity of Pre-Holocene enamel proteomes

Coffee Break (30 min)

Emily Johana Ruiz Puerta: Archaeogenomic reconstruction of ancient elephant ivory trade

Cassandra Theresa Mitchell: Quantifying sequencing methods to access unattainable epigenetic information

Chen Leibson: Detecting DNA methylation changes separating humans from nonhuman African apes

Anjali Muthukrishnan: ZooMS protocols for optimized taxonomic identification of fossils from a submerged cave system

Daniella Grant: Checkpoint assays and sample-specific optimizations for improved ancient DNA recovery

Alexia Mazzini: Millennia of evolution and adaptation between Mediterranean human coastal populations and Atlantic bluefin tuna

Kritika Garg: Should we re-wild the white tiger?

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RIGHT

Computational methods

Keynote Talk: Pontus Skoglund

Ancient human genomics: high resolution approaches

Elena Zavala: Sedimix: A workflow for the analysis of hominin nuclear DNA sequences from sediments

Youssef Tawfik: Developing a human ancient epigenetic clock: promises and limitations

Muhammed Siddik Kilic: Estimating genetic kinship in admixed populations from low-coverage genomes

Surabhi Ranavat: ADAPT: An Ancient DNA Analysis Pipeline for plants

Cormac Kinsella: Graph variant explorer, a workflow for identifying structural variants in ancient DNA reads

Nikolay Oskolkov: Improving taxonomic inference from ancient environmental metagenomes by masking microbial-like regions in reference genomes

Coffee Break (30 min)

Linda Ongaro: Optimising imputation and IBD segments retrieval in ancient genomes

Sharon Ori: A dimensionality reduction algorithm for genetic data

Yuan Pan: Genomic approaches for Betula species delimitation in ancient sedimentary DNA

Dilek Koptekin: IBDemography: A workflow for interpreting identity-by-descent sharing patterns through demographic simulations

Georgia Mies: Assessing biases in local ancestry inference of imputed ancient DNA

Matthew Collins: Time to rethink the analysis of ancient collagen?

Dániel Gerber: Genomic composition of Migration Period horses in the Carpathian Basin

19:00-21:00

Conference Dinner at Stockholm City Hall

Hosted and sponsored by the City of Stockholm



ICP2026 Conference Program

Friday June 26

(Session in auditorium's **LEFT** part)

- 9:00-10:00 **Plenary Talk: Beth Shapiro:** The evolution and decline of American bison
- 10:00-10:15 **Benjamin Guinet:** Ancient host-associated microbes obtained from mammoth remains
- 10:15-11:00 **Coffee break (45 min)**
- 11:00-11:15 **Marina Silva:** Genomic history and selection in Roman and early medieval Britain
- 11:15-11:30 **Gold Sponsor presentation: Illumina**
- 11:30-12:00 **General Remarks and Prize Awards**
- 12:00-13:30 **Lunch break (90 min)**

LEFT

Sedimentary aDNA

Keynote Talk: Mikkel Winther Pedersen

Ancient environmental genomics: A geneticists window into past ecosystems

Pere Gelabert: Genetic admixture between East and West European Gravettian-associated populations in Western Europe before the LGM

Mateu Menendez Serra: Marine ecosystem change in relation to climate conditions in the North Atlantic over the last 600,000 years

Juliane Romahn: Not One Story: Divergent phytoplankton responses through 7,000 years of the Baltic Sea

Weihan Jia: High-latitude plant community assembly varied with Late Quaternary glacial-interglacial cycle strength

Elisa Davis: Advancing detection of rare vertebrate lineages in Southern Ocean sedaDNA through integrated bioinformatic frameworks

Niall Cooke: Sedimentary ancient human nuclear DNA from open-air Holocene archaeological sites in Europe

Coffee Break (30 min)

Inger Alsos: MEMELANDS: Towards a molecular ecology of Medieval European landscapes

Flore Wijnands: Reconstructing late Holocene ecosystem change in the southern Arctic Ocean using sedimentary ancient DNA

Luke Earl Holman: Century-scale ecosystem change along the Western Antarctic Peninsula

Giulia Zampirolo: 100 metagenomes link stabilisation of the marine environment to a bloom in prehistoric forager societies in Aarhus Bay

Jamie Alumbaugh: Tracking muskoxen in northern Greenland using sedimentary ancient DNA

Ciara Wanket: Central Beringian critters: Late Pleistocene faunal communities of the Bering land bridge

Siobhan Evans: SedaDNA down under: recovering ancient DNA from Australian cave sediments

Robin Allaby: The potential of early colonization and northern refugia in Doggerland

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RIGHT

Domestic animals & plants

Keynote Talk: Victoria Mullin

Ancient Cattle Genomics and the imprint of human agency

14:00-14:15 **Lachie Scarsbrook:** Two centuries of historical genomes reveal the consequences of closed breeding in purebred dogs

14:15-14:30 **Alex Siekmann:** Comet: Investigating the genome of the first 1,000 guineas bull

14:30-14:45 **Xinmeng Liu:** Cattle at the crossroads: ancient cattle genomes reveal human interactions across South, East and Southeast Asia and early gaur management

14:45-15:00 **Jenny Hagenblad:** Ancient seeds reveal millennia of agriculture on the Canary Islands

15:00-15:15 **Eva-Maria Geigl:** Paleogenomics sheds light on the principal biological mechanisms that determined the long domestication process of the cat

15:15-15:30 **Kevin Daly:** Livestock on the margins: maximizing what can be learned from poorly preserved ancient specimens.

Coffee Break (30 min)

16:00-16:15 **Clara Isabel Díaz-Pérez:** Paleogenomic data evidence the origin and demographic history of ancient goats from the Canary Islands

16:15-16:30 **Shuya Zhang:** The evolution and spread of Andean maize revealed through archaeogenomics

16:30-16:45 **Thierry Grange:** Wild vs domesticates: A paleogenomics perspective on the evolution of the Bovina

16:45-17:00 **Xueyuan Liang:** A 5,000-year-old water buffalo genome reveals the involvement of extinct wild *B. mephistopheles* in swamp buffalo domestication

17:00-17:15 **Valentina Rovelli:** Tracing the genomic history of domestic cats in North Africa and Southwest Asia

17:15-17:30 **Pedro Morell Miranda:** Describing early domestic genetic diversity using ancient sheep genomes from Asikli Höyük, in Central Anatolia.

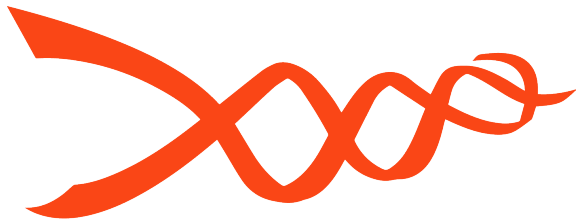
17:30-17:45 **Jolijn Erven:** When pathways constrict: A Neolithic bottleneck in caprine dispersal to Iberia



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