

# Frontiers in Recent Human Evolution

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Conference Program March 23–24, 2026 (OIST Lab5-D23)

## Day 1 — March 23

**09:30** Registration & Coffee / Group Photo

**10:00** Introduction

Svante Pääbo

**10:10–10:55** *Functional Consequences of a Neanderthal AMPD1 Variant in Skeletal Muscle*

Shin-Yu Lee (OIST)

**11:00–11:45** *Polyglycylation: A Lost Trait in Modern Humans*

Hugo Zeberg (Karolinska Institute, MPI-EVA)

**11:45–12:30** *Uncovering the Non-Canonical Roles of ABCB1 Through Bats*

Javier Yu Peng Koh (Duke-NUS Medical School)

**12:30** LUNCH

**14:00–14:45** *A Neanderthal-derived Gene Variant Increases Thermogenesis by Elevating Irisin*

Volker Soltys (MPI-EVA)

**14:45–15:30** *The Genetic Basis of the Evolution of High Sweat Gland Density in Humans*

Daniel Aldea (Aix-Marseille University)

**15:30** COFFEE

**15:45–16:30** *Methods for Efficient Genome Editing*

Stephan Riesenberger (MPI-EVA)

**16:30–17:15** *Functional Consequences of the Modern Human-Specific Mutation in SLITRK1*

Izumi Fukunaga (OIST) via Zoom

**17:15–18:00** *Evolutionary Changes in SLITRK1-Interacting Proteins*

Xiangchun Ju (OIST)

**18:00** DINNER

## Day 2 — March 24

**09:30** Registration & Coffee

**10:00–10:45** *Recent Human Evolution in the Ryukyu Archipelago*

Masatoshi Matsunami (University of the Ryukyus)

**10:45–11:30** *Reconstructing Whole Genome Genealogies Reveals a Richly Structured Human Past*

Leo Speidel (RIKEN)

**11:30–12:15** *A Method for Recalibrating Genealogies to Infer Ancient Adaptation in Human Populations*

Aina Colomer i Vilaplana (RIKEN)

**12:15–13:00** *The Shirahosaonetabaru Genome*

Mateja Hajdinjak / Svante Pääbo (OIST / MPI-EVA)

**13:00** LUNCH & COFFEE

**14:30–16:30** \*Optional\* Lab & Facilities Tour — Mass Spectrometry & SQC Facility, Imaging Section