

2023年度 第4回 生命科学技术国際卓越講義



東京大学
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Archaic Genomes and Insights into Human Evolution

Prof. Mark Stoneking

GECO Evolutionary and Computational Genomics
Université Claude Bernard Lyon

Date: Thursday, 21st, November, 2023

Time: 16:45 Zoom Open

17:00-18:00 Lecture including Question and Discussion

18:00-18:15 Break

18:15-18:45 Interview session with students

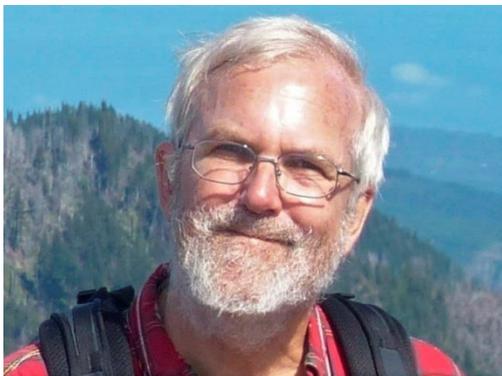
(*Attending an interview session needs another registration (see your e-mail))

Venue: Zoom

Participants: Up to 100 participants

Please register by this QR code or clicking the following link
[Registration Form](#)

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卓越講義 Registration form



Abstract:

Fossil, archaeological, and genetic evidence are united in supporting a recent African origin of modern humans and dispersal out of Africa within the past 60,000-80,000 years. However, given that archaic humans (such as Neandertals) preceded the exodus of modern humans out of Africa by several hundred thousand years, the question then arises as to the nature of the interactions between modern and archaic humans. In particular, did archaic humans contribute any genes to modern humans, or is all of our ancestry derived from the recent origin in Africa? This question proved remarkably difficult to answer, until genome sequences from archaic humans became available. These archaic genome sequences have provided a number of important insights into the history of our own species that I shall discuss, including such aspects as the migration history of modern humans, the genetic changes distinguishing modern and archaic humans, and genetic adaptations that enabled our ancestors to colonize more of this planet than any other species.

Reference: **An Introduction to Molecular Anthropology** by Mark Stoneking

<https://www.amazon.com/Introduction-Molecular-Anthropology-Mark-Stoneking/dp/1118061624>

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Cooperation: Graduate Program for Leaders in Life Innovation, The University of Tokyo
Clinical Research Promotion Center, The University of Tokyo Hospital

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