



UNIVERSITY OF TARTU

Institute of Genomics

Supporting displaced Ukrainian researchers: The role of host institutions

Kristiina Tambets

Professor of Archaeogenomics
Vice director of the Institute of Genomics

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INSTITUTE OF GENOMICS

From cutting-edge scientific **research** to the
implementation of **personalised medicine**

WHAT WE DO



RESEARCH



TEACHING



BIOBANKING

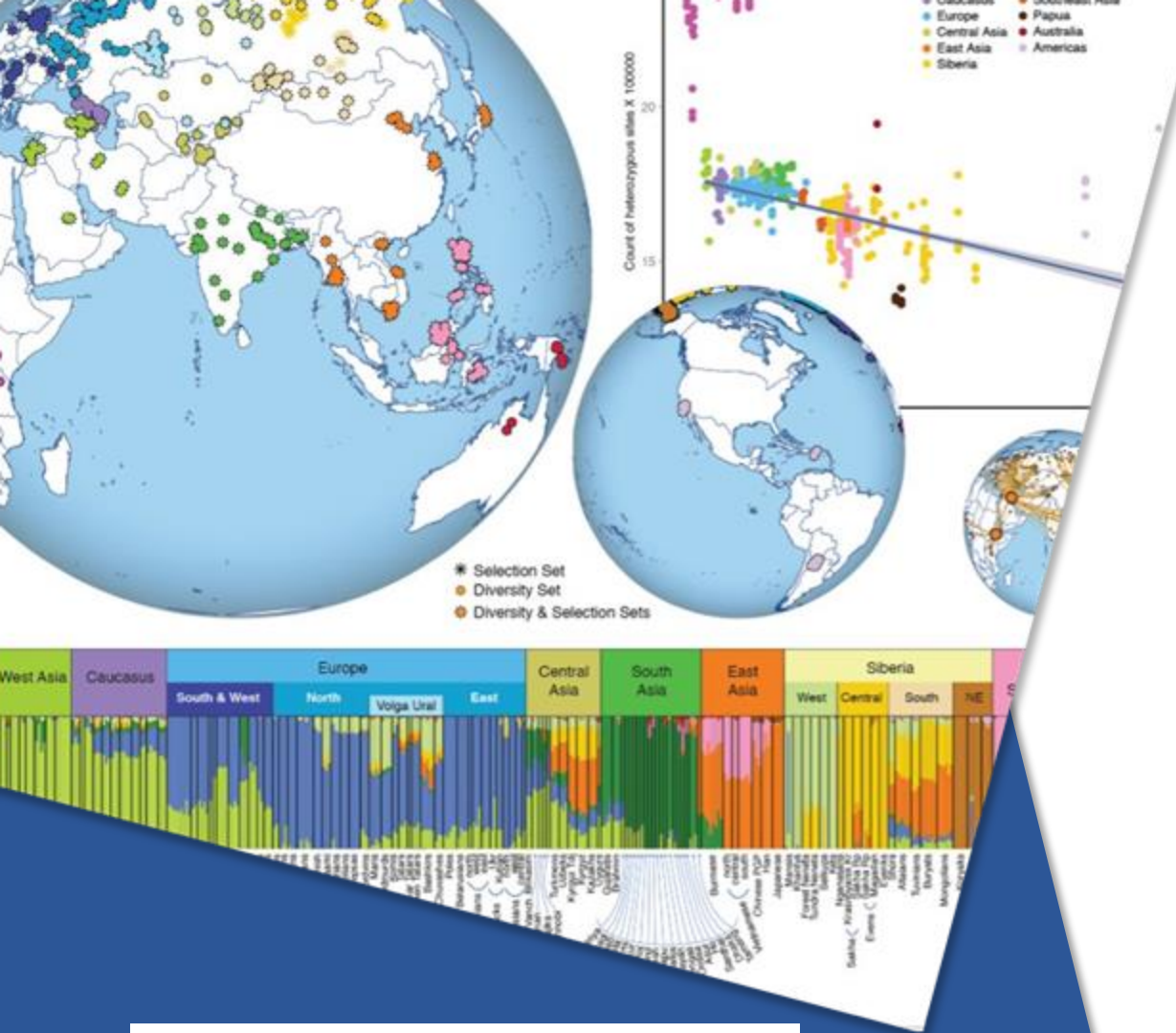
Research on personalised medicine

- ▶ **Estonian Biobank** (samples from 20% of population)
- ▶ Estonian Genome Centre
- ▶ Estonian Biobank Innovation Centre
- ▶ Core Facility of Genomics

- ▶ Centre for Genomics, Evolution and Medicine
- ▶ Estonian Biocentre – **ARCHAEOGENOMICS**

Research on evolutionary aspects of genetic diversity





RESEARCH ON EVOLUTIONARY ASPECTS OF GENETIC DIVERSITY

Human genetic diversity is shaped by

- ▶ demographic history
- ▶ natural selection
- ▶ cultural processes

→ studying genetic diversity allows us to learn about our **demographic history**, **culture**, and **natural selection**.

ARCHAEOGENOMICS

studies human past through the analysis of the genomes of both modern (living) and ancient (dead) individuals/organisms



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V. N. Karazin Kharkiv National University (KhNU)



MSCA4Ukraine

Collaboration with UT since 2014



V. N. Karazin Kharkiv National University (KhNU)



MSCA4Ukraine



- No any clear plan
- Estonian Research Foundation support for 6 months
- **MSCA4Ukraine** (2023-2025) funded project:
“Genetic, social, and cultural diversity in Iron Age settlements of the Ukrainian forest-steppe”

- Involvement of researchers in Ukraine
- New skills
 - research (wet and dry lab)
 - project management
 - networking

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- **Teaching** at home university in Ukraine
- Weekly **work seminars and journal clubs** at the institute
- Access to **laboratories, computing facilities and databases** at the university
- **Language courses** (Estonian, English) and **courses of academic writing**

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- **General support for integration**
 - Course on Estonian culture
 - Course on digital services (e-health, bank access etc)
 - Recreational programs (physical and mental health)

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Biggest challenge:
uncertainty about future

