

Research proposal: Examining evidence for genetic continuity and admixture among Holocene Khoesan skeletons

Project outline and SAHRA checklist

- **a list of participants (name, affiliation, phone no, email addresses) and how they are involved;**
Prof RR Ackermann, University of Cape Town with collaborators, Dr Wendy Black, Iziko Museum of South Africa and Prof Eske Willerslev, University of Copenhagen Geogenetics Centre.
- **the name and address of the facility, including address, it is being analysed at;**
Centre for GeoGenetics, University of Copenhagen, Ostervoldgade 5-7, 1350 Copenhagen K, Denmark.
- **name and address of the museum/university department that currently hosts the object;**
Pre-Colonial Archaeology Unit, Iziko Museums of South Africa, 25 Queen Victoria Street, Cape Town, 8001, South Africa.
- **names of the responsible person(s) during transport and while the fossil is at the facility;**
Prof. Eske Willerslev
- **the period/time frame during which the fossil(s) will be outside the country;**
February 2017 – June 2018 for material that will be returned (some will be destroyed).
- **detailed information on the fossil(s), especially as it is a "unique" specimen;**
See proposal. These are not unique specimens but do form part of an important physical anthropological collection.

Applicant (name and affiliation):

Dr Wendy Black, curator pre-Colonial Archaeology, Iziko Museums of South Africa.

Applied for (principal researcher):

Prof RR Ackermann, University of Cape Town

Participants with affiliations, email addresses, phone numbers (& their role):

1) Dr Wendy Black, Iziko Museum of South Africa; wblack@iziko.org.za; tel: 021 481 3883

Role: Project researcher

2) Prof Eske Willerslev, University of Copenhagen; +45 28751309

Role: Project researcher

3) Lasse Vinner; lasse.vinner@snm.ku.dk

Role: Lab technician and investigator

The material will be hand-carried to Centre for GeoGenetics, University of Copenhagen in February/March 2017 by Enrico Cappellini (a staff member at the GeoGenetics Centre) or the material will be couriered by a reputable courier company approved by the curator of the material. Lasse Vinner will be involved with the analysis of the material (see proposal).

Institution incl. address that currently hosts the object:

Pre-Colonial Archaeology Unit, Iziko Museums of South Africa, 25 Queen Victoria Street, Cape Town, 8001, South Africa.

Facility incl. address at which the experiment will be done:

Centre for GeoGenetics, University of Copenhagen, Ostervolgade 5-7, 1350 Copenhagen K, Denmark.

Table of objects or upload file:

Specimen list uploaded.

Time frame:

Transport to Centre for GeoGenetics, University of Copenhagen: as soon as possible - Feb/March 2017, depending on availability of researchers/couriers.

Return date: Material not destroyed during analysis will be returned in June 2018.

Aim/rationale and methodology: See uploaded proposal

Confirmation/permit by museum: Attached

Damage/destructive analysis? (if yes, explain in detail): Yes, please see proposal

Statement why this study cannot be done in South Africa: The technology to recover and analyse ancient DNA is limited to a handful of international laboratories and institutions. This technology and expertise is not available in South Africa. See proposal.