



nema
mazingira yetu | uhai wetu | wajibu wetu

Application Reference No: **NEMA/AGR/89/2018**

Registration: **0074**

Form of Access Permit

This permit is hereby granted to **Prof. Shannon Christa McFarlin USA Passport No. 545700853; 800 22nd Street, Suite 6000, Washington DC 200 52 USA; George Washington University Office of the Vice President of Research 2121 Eye St. NW ste. 601 Washington DC 200 52 USA** in accordance with regulation 11 of the Environmental Management and Co-ordination (Conservation of Biological Diversity and Resources, Access to Genetic Resources and Benefit Sharing) Regulations, 2006 for the collection of the following genetic resources:

Not more than 78 representative skeletons of individual baboons ***Papio cynocephalus*** curated at National Museum Osteology Division Museum Hill. Additional skeletons will be opportunistically collected of naturally accumulated whole/partial skeletons (bones and teeth collected from Amboseli National Park and immediate surroundings. In addition representative samples of 1800 Genus/species of assorted plant vouchers (The list of genus collected to be provided for a Material Transfer Agreement; of Non restricted and of NO conservation concern per locality for taxonomic analysis and academic purpose. Project -*Skeletal evidence of baboon adaptability in response to environmental change in the Amboseli Basin*. **For Export.**

Located at National Museums of Kenya, Museum Hill and; Amboseli National Park and its Environ.

This permit is issued subject to the Regulations and all agreements concluded pursuant to its grant, and may be suspended, cancelled or revoked should the holder breach any of those agreements and the conditions of issue and those contained in the Regulations.

Prof. Shannon Christa McFarlin being the holder of this permit, including his agents and assignees, undertake to abide by the conditions of this permit and to promptly report to the National Environment Management Authority any matter that may prejudice the interests of Kenya and other parties concluded pursuant to the grant of this permit.

Signed:  Date: **13.2.18**
Director General,
National Environment Management Authority

ACCESS PERMIT CONDITIONS:- NEMA/AGR/89/2018

1. This approval shall be valid for 12 months from the date of issuance and shall not be transferable.
2. This approval is for accessing: Not more than 78 representative skeletons of individual baboons *papio cynocephalus* curated at National Museum Osteology Division Museum Hill. Additional skeletons will be opportunistically collected of naturally accumulated whole/partial skeletons (bones and teeth collected from Amboseli National Park and immediate surroundings. In addition representative samples of 1800 Genus/species of assorted plant vouchers (The list of genus collected to be provided for a Material Transfer Agreement) ; of Non restricted and of NO conservation concern per locality for taxonomic analysis and academic purpose. For the Project *Skeletal evidence of baboon adaptability in response to environmental change in the Amboseli Basin*. You shall submit a list of the collected plant specimens, their IUCN conservation status and voucher specimens; including quantities for each, collection locality and method of collection to NEMA.
3. The accessed skeletons and plants voucher specimens and their derivatives shall strictly be held at national designated repository: the National Museums of Kenya (NMK) while a subset of the spacemen samples collected maybe exported to George Washington University for further analysis of genetic barcoding where need may arise and agreed upon by the provider and the users in a signed Material Transfer Agreements.
4. You shall ensure that all sampled voucher spacemen are well treated and preserved using the provided standards and procedures before storage at the NMK or George Washington University and affiliated institutions for further genetic analysis. The specimen labeling system will have the accessions bearing KWS labels and be deposited in the national designated repositories at the NMK for allocation of accession numbers.
5. You shall ensure that all laboratory analysis is carried out in Kenya where possible, whereas a need to export a subset of the specimen and samples collected for further analysis, the basic preparation and analysis to good export and laboratory standards shall be done in the project location and/or local institutions; NMK and/or KWS. You shall ensure that the local partners (NMK & KWS) are involved in the identification, collection and preparation of all the spacemen and samples for export.
6. The genetic resource and the derivative shall not be transferred to a third party without the consent of the genetic resource provider and NEMA.
7. The intellectual property rights generated from the accessed genetic resources and associated knowledge shall be jointly owned by all partners including NEMA/NMK/KWS.
8. The genetic resources and their derivatives shall not be used for commercial or profit purpose without agreement from genetic resource providers and NEMA. You shall ensure that there is reasonable access by all Kenyan citizens to all genetic resources collected whether such genetic resources and intangible components are held locally or abroad.
10. Ensure that all agreements entered into with respect to access of genetic resources shall be strictly for the purposes for which they were entered into (**life history, taxonomic Studies and other Academic Purposes**). You shall abide by the provision of the PIC/MAT and Material Transfer Agreements entered with the providers of genetic resources.
12. You shall ensure that the local community **indigenous knowledge and digital sequences on the genetic resources** and their uses is well safeguarded. You shall furnish quarterly reports to NEMA on the status of research, including all discoveries and publications from research involving genetic resources and/or intangible components thereof.
14. You shall comply with the Cessation, Restoration/ improvement orders issued by NEMA's environmental inspectors throughout the project cycle and laws of Kenya.
16. NEMA reserves the right to suspend, cancel, revoke or vary this permit in the event of a breach of the conditions stated herein or any contravention to the Environmental Management and Coordination Act CAP 387, (Amendment) 2015 and regulations thereunder. Upon the completion of the intended studies, you shall return the remaining genetic resource to Kenya and deposit with the relevant lead agency (KWS/NMK) and notify NEMA of the return.
- 19.. Specimen shall be collected only from unknown/difficult to identify and unique taxa for further identification and preservation or duplication at the East African herbarium (EA), National Museum of Kenya.
20. A living sample of succulent and unique/threatened taxa will be collected for ex-situ conservation in Nairobi Botanical Garden. One DNA reference sample per species shall be collected where necessary using standard collection methods.