

**FACULTY OF VETERINARY MEDICINE
OF THE
FREIE UNIVERSITÄT BERLIN
CONFERS
THROUGH THE DEAN
PROFESSOR DR. MED. VET. UWE RÖSLER**

to

MICKY MWANANJE MWAMUYE

born on 24.01.1988 in Kilifi, Kenya

after having fulfilled all requirements

The Degree

**DOCTOR OF PHILOSOPHY (PhD)
IN BIOMEDICAL SCIENCES**

with all rights privileges and obligations.

THE OVERALL ASSESSMENT IS

— magna cum laude —



BERLIN, 09.08.2021

THE DEAN

A blue ink signature of Univ.-Prof. Dr. Uwe Rösler, which reads "Univ.-Prof. Dr. Uwe Rösler".



Doctoral Studies Program Biomedical Sciences

Dahlem Research School (DRS)
Freie Universität Berlin

Program Certificate

for the successful completion of the

Doctoral Studies Program Biomedical Sciences

In accordance with the rules and regulations of the doctoral studies program Biomedical Sciences at Dahlem Research School, Freie Universität Berlin (FU-Memoranda No. 35/2008)

Micky Mwananje Mwamuye

date of birth 24.01.1988 born in Kilifi / Kenia

has met all of the requirements pursuant to the rules and regulations of the Biomedical Sciences doctoral studies program.

Univ.-Prof. Dr. Georg von Samson-Himmelstjerna
Chairperson of the Joint Commission

Univ.-Prof. Dr. Georg von Samson-Himmelstjerna
Representative of the Doctoral Studies Program

Dr. Markus Edler
Head of Dahlem Research School



Berlin, 06.08.2021

Certificate No. corresponding to Transcript No.:

0000636

UNIVERSITY OF NAIROBI



This is to certify that

Mlicky Ilwamuye Ilwananje

having satisfied the requirements
for the award of the degree of the

**MASTER OF SCIENCE
(IN GENETICS)**

was admitted to the degree
at a Congregation held at
this University on the

Fourth Day of September in the Year

2015

Musitu.

VICE-CHANCELLOR

H. J. Marin.

DEPUTY VICE-CHANCELLOR (ACADEMIC AFFAIRS)

0303

UNIVERSITY OF NAIROBI



This is to certify that

Mlicky Mwamuye Ilwananje
having satisfied the requirements
for the award of the degree of the

**BACHELOR OF SCIENCE
(IN MICROBIOLOGY AND BIOTECHNOLOGY)**

First Class Honours
was admitted to the degree
at a Congregation held at
this University on the

Ninth Day of September in the Year

2011

DEPUTY VICE-CHANCELLOR (ACADEMIC AFFAIRS)

VICE-CHANCELLOR

Yokohama National University
Hereby Confers upon

Mwananje Micky Mwamuye

Certificate of International Environmental Leadership

In Recognition of the Fulfillment of the Requirements for
the Short -Term Course in International Environment
Leaders Training Program for
Sustainable Living with Environmental Risk

supported by the Strategic Funds for Promotion of Science and
Technology of the Japanese Ministry of Education, Culture,
Sports, Science and Technology at the Graduate School of
Environment and Information Sciences,

Yokohama National University.

May 10, 2011

YNU

President
Yokohama National University

K. Suzuki

Prof. Dr. Kunio Suzuki



Strategic Funds for the Promotion of
Science and Technology



Certificate of Attendance

This is to certify that

Micky Mwamuye

has attended the Charité 3^R online seminar

Animal Ethics and the 3R principles in Biomedical Research

on September 2nd, 2020, for **4h**.

A handwritten signature in blue ink that reads 'Lisa Grohmann'.

Berlin, 24.09.2020

Dr. Lisa Grohmann,

Charité 3^R Coordination Education & Support



Certificate of Attendance

Micky Mwananje Mwamuye

has attended

the 'Good Scientific Practice' Minisymposium

organized by the Center of Infection Biology and Immunity

04 September 2020

Scope: 4.5 hours (equivalent to 0.5 CP)

Topic	Speaker
Introduction to Good Scientific Practice	Prof. Dr. Dr. Daniel Strech, BIH QUEST Center
Data Management and Data Protection	Dipl.-Inf. Katarzyna Biernacka, HEADT Centre
How to deal with scientific misconduct	Prof. Michael Seadle, PhD and Melanie Rügenhagen, M.A., HEADT Centre
Publishing process and Authorship	Prof. Benedikt Kaufer, PhD, Freie Universität Berlin
Reproducibility	Dr. Olivia Majer, Max Planck Institute for Infection Biology

Laura Rose

Laura Rose

Scientific Coordinator

ZIBI - Interdisciplinary Center of Infection Biology and Immunity

info@zibi-berlin.de

Berlin, 07 September 2020



Certificate of Attendance

This is to certify that

Micky Mwamuye
FU Berlin

has attended the

BB3R Spring School 2021 –

*Ethical and legal aspects of animal
experimentation and 3R approaches*
in Berlin
on March 24-26, 2021

Berlin, April 24, 2021

Freie Universität Berlin
Fachbereich Biologie, Chemie, Pharmazie
Institut für Pharmazie
Pharmakologie und Toxikologie
Königin-Luise-Str. 2+4
14195 Berlin

Dr. Vivian Kral
(BB3R Coordinator)



Certificate of Participation

Micky Mwamuye

participated in the course

Project Management Tools for Complex Research Projects (additional course)

18.06.2020 - 25.06.2020

Instructor: Amanda Wichert

Objectives

- basics of project management and application of project management tools to doctoral or research projects

Content

- Defining concrete project goals, examining and understanding motivation, and developing successful strategies for defining project scope
- Managing project tasks and phases, creating work breakdown structures, and defining work packages
- Effectively using timetables, milestones, and processes to steer projects successfully
- Analyzing project risks and preparing risk management plans
- Monitoring progress and identifying (potential) delays in advance of the deadline
- Effectively applying project management tools to research projects

Duration 8 units of instruction (1 unit of instruction corresponds to 45 minutes)

The course was organized by Dahlem Research School at Freie Universität Berlin in collaboration with Humboldt Graduate School at Humboldt-Universität zu Berlin and is part of the qualification program for doctoral candidates at both universities.

This document is electronically generated and is valid without a signature.



Certificate of Participation

This is to certify that

Mwananje Micky Mwamuye

Participated and completed an **Introduction to Biorisk Management Training Course**
for Research Laboratory personnel. Conducted at ICIPE Duduville Campus Nairobi,
between 23rd – 25th September, 2013

The Training Covered

National and international Biosafety Guidelines

- Introduction to Biosafety and Biosafety regulations & laws in Kenya
- OSHA 2007; Occupational Safety & Health
- EMCA 1999; Biohazardous Waste Management and Legal Notices 120/121 on Waste & Environmental Management
- International Health Regulations (IHR) – WHO, CDC/NIH
- CEN/CWA 15793:2011 laboratory biorisk standards

ICIEP Institutional HSE Programs

- Developing institutional biosafety program
- Laboratory biosecurity plans and ICIPE lab. security procedures
- Waste management plans & biohazards management
- OSH overview & laboratory emergency preparedness
- The Biosafety Act 2009

IBC Principles & Biorisk Management

- Good laboratory/microbiological practices in research
- Introduction to IPC programme & Lab Acquired Infections'

- Overview on biosafety levels & WHO risk groups (BSL's 1-4)
- Biorisk assessments methodology - BioRAM
- Overview on fire safety & emergency evacuation procedures; primary controls & incident management
- Use of personal protective equipment _ PPE's and personal hygiene plans
- Engineering controls; BSC's, fume hoods and HVAC systems
- Waste handling, decontamination and sterilization techniques
- Chemical Management Plans and Hazard communications
- An overview of the WHO/IATA Shipping guidelines

Dual-Use and responsible conduct of research

- Introduction to Bio-Ethics in Research
- Fundamentals of Dual Use Research
- Disaster preparedness response

Gagew

Mr. Geoffrey Jagero Biosafety Officer, ICIPE

26.09.2013

Date

Robin

J. Robin Kibaruse, Biorisk Course Coordinator

26.09.2013

Date

Certificate of Service

I hereby confirm that

Mr. Micky Mwamuye

was part of the organizing team of the
Berlin University Alliance Career Day 2021
“Discover new paths”

which took place on 23 February 2021. The tasks of the organization team included the preparation, follow-up and implementation of this one-day online event. Mr. Mwamuye was primarily involved in the following processes:

- Event conceptualization (methodical and content-related)
- Time management planning
- Selection and approaching guest speakers
- Technical planning for the event.

The team's outstanding performance led to a successful event. Mr. Mwamuye's contributions to the team effort exemplified a high degree of communicative competence, teamwork and a goal-oriented mindset. He has demonstrated organizational skills, initiative, reliability, assertiveness and solution-oriented creativity. It is particularly noteworthy that Mr. Mwamuye wrote the welcoming speech for the event.

Berlin, 9 March 2021


Dr. Regina von Schmeling



**Leibniz-Institut für Zoo-
und Wildtierforschung**

IM FORSCHUNGSVERBUND BERLIN E.V.

LEIBNIZ-INSTITUT FÜR ZOO- UND WILDTIERFORSCHUNG (IZW), PF 70 04 30, 10324 BERLIN
Berlin, 30.01.2019



EVOLUTIONARY WILDLIFE RESEARCH FOR CONSERVATION

**G6* Theory of Science II: Recognising the determinants of
your approach to scientific questions: female and male
viewpoints in biology and (veterinary) medicine**

This is to certify that

Micky Mwamuye



has successfully and regularly attended the above mentioned seminar
at the Leibniz Institute for Zoo & Wildlife Research (IZW)

on 28th January 2019 from 2 pm to 7 pm
and
on 29th January 2019 from 2 pm to 7 pm.

Equivalent: 0,8 SWS = 2 credit points

Prof. Dr. Heribert Hofer
Director

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Leibniz-Institut für Zoo-
und Wildtierforschung

IM FORSCHUNGSVERBUND BERLIN E.V.



EVOLUTIONARY WILDLIFE RESEARCH FOR CONSERVATION

CERTIFICATE

This is to certify that

Micky Mwananje Mwamuye

has successfully attended the Dahlem Research School of the
Freie Universität Berlin course

**G4: Introductory course: solving problems in bio statistical analysis
and experimental design in the life sciences; WS 2018/19.**

The course took place at the Leibniz Institute for Zoo and Wildlife Research from 26th November to 30th November 2018.

Prof. Dr. Heribert Hofer
Director

Berlin, 12th November 2018

Deutschland
Land der Ideen



Ausgewählter Ort 2006

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Certificate of Completion

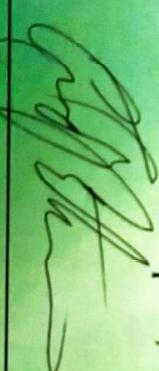
This is to certify that

Micky Mwananje Mwamuye

successfully completed the

ECOLOGICAL NICHE MODELING

Training Course held by the Biodiversity Informatics Training Curriculum
from 25–28 February 2013 at
icipe - Dandora Campus, Nairobi, Kenya



Dr. A. Townsend Peterson, Program Manager

Funded by

JRS BIODIVERSITY