



WORKSHOP ON STRENGTHENING RESEARCH CAPACITY OF POSTGRADUATE STUDENTS AND EARLY CAREER RESEARCHERS IN MOLECULAR BIOLOGY

With Biodiversity loss accelerating globally, the need to identify and document species now more urgent. DNA barcoding is a powerful tool to address biodiversity loss for samples difficult to identify using morphological methods. African researchers face challenges such as limited facilities, high training costs, and scarce research funding. Many struggle to fully analyze genetic data due to a lack of expertise. This training course aims to bridge the gap by enhancing the practical and analytical capacities of African researchers in molecular biology. This workshop is organized to run for three days, it will provide theoretical aspects, hands-on laboratory training, data analysis, SMBE information and funding opportunities.



LANAVET Annex Yaounde, Cameroon



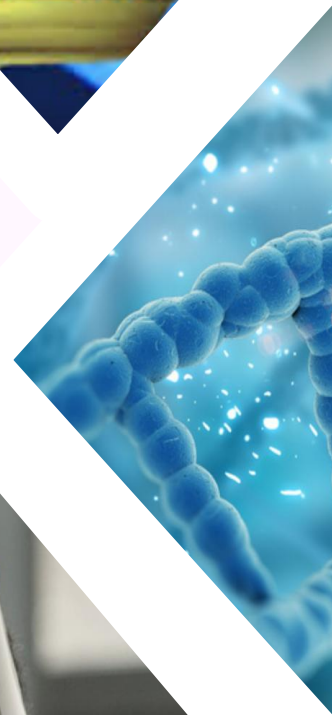
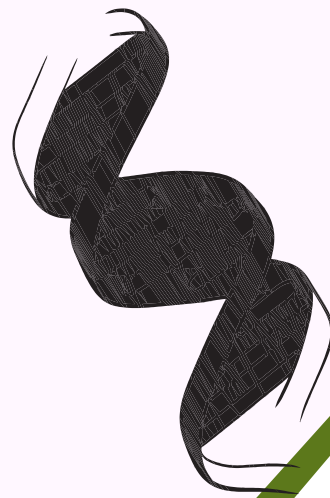
April 20–22, 2026



30 Participants

TARGET:

- ✓ Postgraduate Students and Early-career African researchers in molecular biology, systematic, genetics or related
- ✓ Scientists working on biodiversity, conservation, or agricultural improvement



HOW TO APPLY?

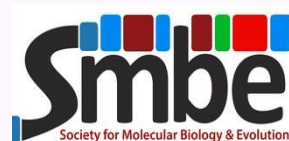
Send your CV and cover letter to:

Prof. Tonjock Rosemary
Kinge



rosemary32us@yahoo.com

Funded by:



Deadline: April 5, 2026

OVERVIEW

DAY 1: Hands-on training in DNA Extraction and PCR Amplification

• Objective: To equip participants with hands-on training in key molecular biology techniques, including DNA extraction and PCR Amplification.

Activity 1: Presentations on laboratory techniques, sample preparation, DNA extraction, and PCR setup.

Activity 2: Practical Session on sample preparation, DNA extraction, and PCR setup.

DAY 2: Agarose Gel Electrophoresis and Sequence Analysis

• Objective: To equip participants with hands-on skills on Agarose Gel Electrophoresis and provide fundamental skills in Sequence

Activity 1: Practical Session on Agarose Gel Electrophoresis

Activity 2: Oral Presentation and Practical session on sequence analysis (BLAST, Sequence Alignment, Phylogenetic Tree Generation, Group Assignment

DAY 3: Introduction to the Society of Molecular Biology and Evolution (SMBE) and Grant Opportunities

• Objective: To familiarize participants with SMBE, its resources, basics of grant writing and funding opportunities.

Activity 1: Society for Molecular Biology and Evolution (SMBE).

Activity 2: Group Presentations

Activity 3: Basics of fellowships, scholarships, travel grants and research grants

For more information:  **6746253399**

Join us in building the next generation of African molecular researchers!