



DELGEME Plus

PhD in Antimicrobial Resistance

Call For Applications

Background

The Developing Excellence in Leadership and Genomics Training for Malaria Elimination and Antimicrobial Resistance control in Africa (DELGEME Plus) is a training programme. It is part of the Developing Excellence in Leadership, Training, and Science in Africa (DELTAS Africa) programme of the Science for Africa Foundation (SFA), which is being implemented with support from Wellcome, and UK Foreign Commonwealth and Development Office (FCDO). The Programme is led by the University of Science Techniques and Technologies of Bamako, Mali (USTTB) and the partner institutions are The Medical Research Council Unit The Gambia at the London School of Hygiene & Tropical Medicine; University of Ibadan, Nigeria; Noguchi Memorial Institute for Medical Research (NMIMR), University of Ghana; Stellenbosch University, South Africa, Kenya Medical Research Institute and Université des Sciences de la Santé of Libreville (USS), Gabon.

DELGEME Plus invites applications for its three (3) year funded PhD programme from 2023 to 2026, which will be hosted in an eligible University in Africa.

Objectives

The programme will train African candidates who have interest in one or more of the following themes:

- 1) Transmission dynamics of malaria, HIV, TB, fungi, and priority resistant bacteria to inform public health policies and elimination strategies.
- 2) Contribution of antimicrobial stewardship, infection prevention and control, host, and environmental factors to AMR in the context of sub-Saharan Africa
- 3) Discovery of novel diagnostics, drugs, and vaccines candidates against the target infectious pathogens using genomics, transcriptomics, proteomics, metabolomics and bioinformatics tools

- 4) Informatics, modelling, and machine learning for predicting the dynamics of resistance of malaria parasites, HIV, TB, and enteric bacteria to drugs in time, space and between species where applicable (Humans, domestic animals, livestock)
- 5) Public health interventions and Engaging communities, health practitioners and policy makers to effectively mitigate AMR in Africa.

Who can apply?

- Candidates with Master of Science (MSc) degree in biology, Biochemistry, Bioinformatics, Bioethics, Medical Doctorate and Pharmacy Doctorate, or any equivalent academic degree in disciplines associated with Biological Sciences or Public Health Sciences are eligible to apply.
- Only candidates who are nationals of one of the PDNA member countries¹ or about to return to one of the PDNA member countries after completing studies abroad are eligible to apply.
- Candidates must be fluent in written and spoken English.
- Candidates must receive a support letter from one of the PDNA Principal Investigator² or from one of the DELGEME Plus co-applicants³.

Financial framework

Each fellowship will receive a scholarship from DELGEME Plus. The package includes student's tuition, stipend, limited research cost, travel, and other training related costs.

The final amount awarded will be determined at the time of award notification.

Application procedures

¹ Pathogens genomic Diversity Network Africa, PDNA (www.pathogens-dna.org; Angola, Cameroon, Côte d'Ivoire, Capo Verde, Ethiopia, Gabon, Ghana, The Gambia, Kenya, Nigeria, Madagascar, Mali, Mozambique, DR Congo, South Africa and Tanzania)

² Abdoulaye Djimde (delgemecalls@delgеме.org)/Malaria Research and Training Center – University of Science, Techniques and Technologies of Bamako, Mali; Milijaona Randrianarivelosia (milijaon@pasteur.mg)/Institut Pasteur de Madagascar or Voahangy Andrianaranjaka (fararanontsoa@gmail.com)/Université d'Antananarivo, Madagascar; Antoinette Tshefu-Kitoto (antotshe@yahoo.com) & Dieudonne Mumba (mumbadieudonne@yahoo.fr)/University of Kinshasa; Paulina Tindana (ptindana@gmail.com) University of Ghana School of Public Health, Lucas Amenga-Etego (lucasmenga@gmail.com)/ West Africa Centre for Cell Biology of Infectious Pathogens, Ghana; Lemu Golassa (Igolassa@gmail.com)/ Addis Ababa University, Ethiopia; Tobias Apinjoh (apinjoh.tobiasa@ubuea.cm)/ University of Buea; Yavo William (yavowilliam@yahoo.fr) / University FHB of Abidjan – National Institute of Public Health, Côte d'Ivoire; Pedro Aide (pedro.aide@manhica.net) Centro de Investigação em Saúde de Manhiça (CISM) ; Jaishree Raman (Jaishreeer@nicd.ac.za) / National Institute for Communicable Diseases (NICD); Joana Alves/ Instituto Nacional de Saúde Pública, Ministério da Saúde de Cabo Verde; Joana de Morais (jmafonso.7@gmail.com) Angola; Sylvania Leal (leal.sylvania@gmail.com), Cabo Verde; Alfred Amambua-Ngwa (angwa@mrc.gm)/Medical Research Council Unit The Gambia; Anita Ghansah (aghansah2013@gmail.com)/Noguchi Memorial Institute for Medical Research; Oumou Maiga-Ascofare (maiga@bni-hamburg.de) /Benhard-Nocht Institute for Tropical Medicine (BNITM) – Kumasi Centre for Collaborative Research (KCCR); Deusdedit Ishengoma (deusishe@yahoo.com)/National Institute for Medical Research; Marielle Bouyou-Akotet (mariellebouyou@yahoo.fr)/Université des Sciences de la Santé, Libreville; Ben Andagalu (ben.andagalu@usamru-k.org)

³ Iruka N. Okeke (ghrrecruitment@gmail.com) University of Ibadan; Sam Kariuki (projectpositions@kemri.go.ke), KEMRI, Kenya; Grant Theron (gtheron@sun.ac.za), Stellenbosch University

- Candidates must submit the following documents as a single PDF file by email to: daoule@icermali.org; delgemecalls@delgеме.org
- 1) A completed application form (available at: www.delgеме.org)
- 2) Curriculum Vitae (CV)
- 3) A research concept note based on the thematic areas in no more than 3 pages.
- 4) Personal statement (Max 1 page) that outlines the candidate's motivation for pursuing the course, specific interests in the area of research and intended career trajectory beyond PhD level.
- 5) A reference letter from applicants' institution/ academic supervisor
- 6) Support letter from one of the PDNA Principal Investigators or from one of the DELGEME Plus co-applicants
- 7) A certified copy of full academic transcript (s) and certificate (s)
- 8) A copy of National ID/passport (PDNA member countries)

Complete applications must be received by 31/10/2023. Incomplete applications will be rejected.

We encourage women and others underrepresented in academia to apply.

The selection committee reserves the right to make a final decision about suitable candidates, taking the above criteria into account.

Only successful applicants will be recontacted by e-mail for further details.

For more information please contact:

Mrs. Daoulé DIALLO SISSOKO

DELGEME Plus

Malaria Research and Training Center (MRTC)

University of Science, Techniques and Technology of Bamako (USTTB)

P.O. Box: 1805 Point G, Bamako; Mali (West Africa)

Tel : +223 66977221 / +223 76260414

Email : daoule@icermali.org; delgemecalls@delgеме.org