

**Africa Centre of Excellence for Neglected Tropical
Diseases and Forensic Biotechnology (ACENTDFB)**
Ahmadu Bello University, Zaria

acentdfb.abu.edu.ng

Vision:

- To be a reference Institution in the prevention, control and eradication of tropical diseases

Mission:

- Providing a reliable template to address problems of NTDs and their impacts on the socioeconomic development and health of the community in developing countries

Mandate:

- To develop human resources and provide facilities for diagnosis, management and prevention of NTDs
- To provide epidemiological baseline data and updates on NTDs in the West African region
- To develop and produce drugs and vaccines for the treatment and prevention of NTDs
- To equip human resources with requisite skills in the general area of molecular biotechnology techniques and forensic science for solving related problems

Postgraduate Programmes of the Centre

- **Biotechnology (Focus on NTDs)**
 - PhD (36 months)
 - MSc Biotechnology (24 months)
- **Forensic Science**
 - MSc Forensic Science (24 months)
 - Masters in Forensic Science (12 months)
- **One Health**
 - MSc One Health (24 months)

Research Thematic Areas

NTDS

- **Viral Zoonotic NTDs (Rabies, Dengue Fever)**
- **Parasitic Zoonotic NTDS (Lymphatic Filariasis, Schistosomiasis, Trachoma, STH)**
- **Trypanosomiasis**

Forensic Science

One Health

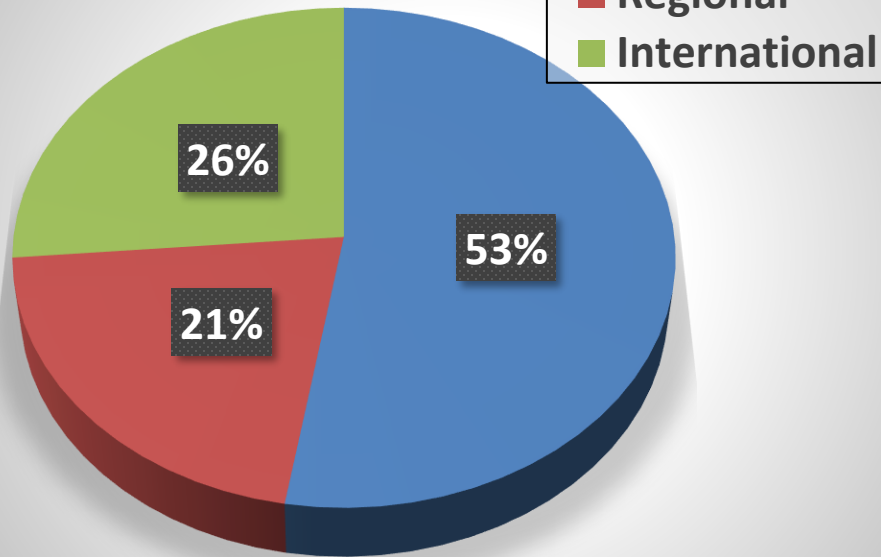
Research and Training Outputs

- **Student Enrolment**
 - 244 (PhD 74; MSc 174); **66 have graduated**
 - Regional students : **40 (Cameroon, Chad, Gambia, Cote d'Ivoire, Niger)**
- **Journal Publications - over 430 Journal articles**
- **Patents and Copyrights in Last 5 years**
 - Patents: **12 (10 in Germany, 2 in Nigeria)**
 - **Gene sequences deposited in GenBank: 87**

**Grants
Obtained/
managed by
the Centre**

- **World Bank: (2015-2025) - \$9.7m**
- **TETFund NRF (2022) - \$200,000.**
- **IAEA Equipment Grant : €73,000.00**
- **ERASMUS Mobility Plus in collaboration with University of Bremen (2016-2023)**
- **CZI Grant (2022-2025) - \$818,776**
- **African Postdoctoral Training Initiative Grant (2020-2023) - \$226,000**
- **NIH K43 Grant (2019-2023) - \$576,000**
- **ARISE Grant (2023-2025) - \$215,000**
- **EDCTP-3 (2025) - €5.0m**

Collaborations and Partnerships (n=21)



Collaboration with Japanese Universities

- Nagasaki University – Since 2015
- Osaka Metropolitan University- process ongoing



Areas for Collaborations

- **Faculty and student exchange (Collaborative teaching & PhD supervision)**
- **Joint research and grant sourcing**
- **Emerging NTDs, co-infections in febrile diseases and AMR**
- **Forensic entomology, DNA profiling and Biometrics**
- **One Health**
- **Pandemic responses and disease surveillance**

Thank You