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Our Brand



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RESISTANT INFECTIONS RESEARCH GROUP

UNIVERSITY OF NIGERIA, NSUKKA

in collaboration with



Demyhealth Clinic & Genomic Medicine

announces its

MOLECULAR BIOLOGY

AND

CLINICAL DIAGNOSTICS

TRAINING WORKSHOP 2019

DATE:

Monday, 6th to Friday, 10th May, 2019

VENUE:

General Laboratory
Department of Microbiology
University of Nigeria, Nsukka.



As part of its capacity building programme, **The Resistant Infections Research Group, University of Nigeria, Nsukka**, in collaboration with **Demyhealth**, is organizing a 5-day, intensive, hands-on training on Molecular Biology and Clinical Diagnostics. This call invites participants (researchers, medical practitioners, lab scientists, academics and students) from basic and applied life sciences or any other field of science, who require basic skills in molecular biology techniques and bioinformatics to support their teaching, practice and/or research.

The training will be mainly hands - on and has the flexibility to comfortably accommodate beginners, candidates previously trained but not practicing and those with theory background but lacking in the practice. In addition to acquiring strong theoretical foundation in Molecular Biology and Bioinformatics, participants will be introduced to different techniques used in recombinant DNA technology and how to analyze DNA sequence data using different Bioinformatics software. A lot of emphasis will also be placed on the use of Molecular Biology in Clinical Diagnostics. No prior experience in Molecular Biology or Clinical Diagnostics technique is required or expected and interested participants will be accepted on a first-come, first-served basis.

Lecture Topics

- Basic principle of PCR, different types of PCR and its immediate downstream applications
- Molecular typing techniques
- Restriction enzyme analysis
- DNA sequencing, including Next Generation & RNA-sequencing
- Genomics, Bioinformatics and PCR Primer design

Hands - on Practical Session

- Genomic DNA extraction from plants, bacteria and/or parasites
- Conventional PCR
- Viral load detection and quantitation
- Real-Time PCR
- Agarose gel electrophoresis
- Bioinformatic analysis of selected sequence data

Invited Speakers

PROF. UCHE NWODO
University of Fort Hare,
South Africa

DR JOSEPH FORBI
Centre for Disease Control,
Atlanta Georgia, USA.



Training Cost N50,000.00

- Early bird (before 15th April 2019) N40,000.00
- Students with ID card N30,000.00
- Fees inclusive of training materials, certificates, lunch and tea break/snacks.

Venue: General Laboratory
The Department of Microbiology
University of Nigeria, Nsukka

Payment Information

Name of Account: Drug Resistant Infections
Research Group
Account Number: 6060138067
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