

UNIVERSITY OF NAIROBI
SCHOOL OF PHARMACY
DEPARTMENT OF PHARMACOLOGY AND PHARMACOGNOSY

THEMATIC AREA : PHARMACOGENOMICS AND PHARMACOGENETICS

Staff

The Department has highly qualified members of staff to carry out teaching, research and service provision in Pharmacogenomics and Pharmacogenetics.

- Prof. Guantai Anastacia N. - Professor (**Head of Thematic Unit**)
- Dr. Oluka O. Margret O. - Lecturer

Introduction

Pharmacogenomics and Pharmacogenetics is the study of how genes affect a person's response to drugs. Patients may fail to respond to medication because of excessive medication or lack of appropriate drug transporters or receptors.

This discipline examines the inherited variations in genes that dictate drug response and explores the ways these variations can be used to predict whether a patient will have an optimal response to a drug.

Programs/courses offered

The unit offers training to post graduate studies pursuing a [Master of Pharmacy in Pharmacoepidemiology and Pharmacovigilance](#), as well as training at doctoral level.

Research and Projects

Research activities are carried was in the [UON-AiBST Research Lab](#), established through a collaboration with the African Institute of Biomedical Science and Technology (AiBST) Laboratory in Zimbabwe. An example of the research activities conducted by the unit include the recent study of the influence of pharmagogenetic parameters on the levels of Efavirenz, an antiretroviral drug.

Career opportunities

All alumni of the Pharmacology and Therapeutics thematic unit can specialize (through post-graduate training) in:

- Pharmacogenetics
- Molecular pharmacology

They may also pursue careers in academia and institutions involved in drug research.

News and Events

Click [here](#) for news and events

Alumni

The thematic unit has [post-graduate alumni](#):

- Dr Margaret Oluka (PhD, 2012)

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