Researcher Dr. Florence Ng'ong'a

Affiliation Department of Biochemistry

Position Lecturer

Specialization Biochemistry, Molecular Biology

Research Interests Computational Biology, Parasitology

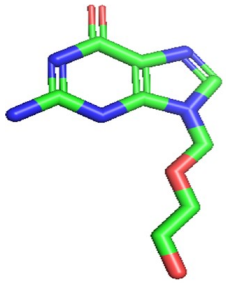
Current Research Activities

Enzymatic characterization of *Trypanosoma brucei* M1 aminopeptidases

This project was funded by the International Foundation for science (IFS) and aims validate M1 aminopeptidases as drug targets for management of Animal African Trypanosomiasis. The project started in July, 2019

Network Pharmacology-based identification and bioactivity of acyclovir derivatives against Herpes simplex virus

This employed computer aided drug design approach to identify and validate potential targets and inhibitors which will further be validated through *in vitro* studies on cell-lines



Biological Target	Functional Similarity (UL23)	Semantic Similarity (HSV 2)
UL5	0.30	0.93
US3	0.24	0.67
UL52	0.20	1.00
RL2	0.03	0.28

Soil microbiome studies within selected Kenyan Forest Ecosystems

This is part of an on-going project funded by the National Commission for Science, Technology and Innovation (NACOSTI) and USAID. The aim of the project is to identify indicator species and environmental factors will be used as a reference for future studies geared towards environmental conservation. The project started in November, 2019

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