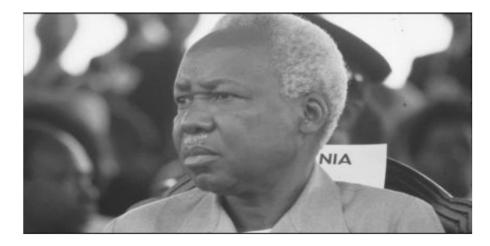
CELEBRATING 10 YEARS OF PHYSICS WITHOUT FRONTIERS!!

Inspiring and training students in developing countries

BIOPHYSICS IN TANZANIA AND MALAWI

DANIEL M SHADRACK, PhD





"Those who receive this privilege therefore, have a duty to repay the sacrifice which others have made. They are like the man who has been given all the food available in a starving village in order that he might have strength to bring supplies back from a distant place". On higher education, 1960.

Life changing moments: A journey from experiments

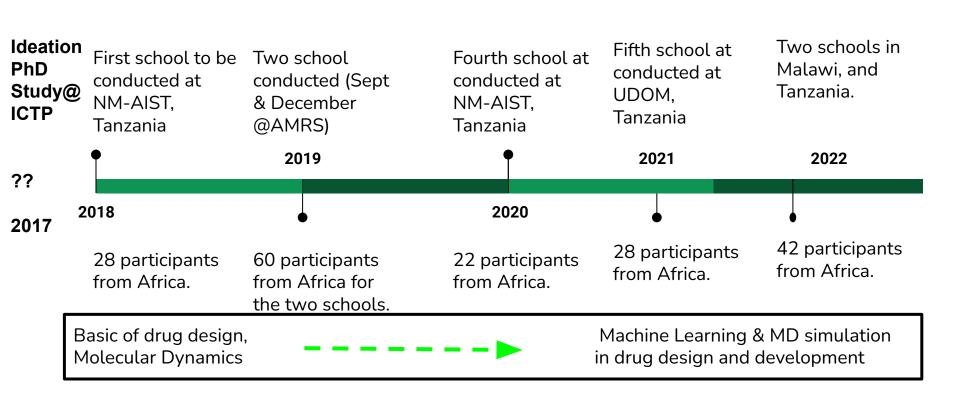
to computational







Biophysics activities in Africa: Timeline



The Genesis of Biophysics School in Africa

Since 2018 - todate





The Motivation



Emetine $EC_{50} = 0.46 \,\mu\text{M}$ $CC_{50} = 56.46 \,\mu\text{M}$

MeO

MeO-

OMe

MeO



Structural Modification



Potency

Stability

Selectivity

•••



Available Drugs



Previous schools: Some success stories









Last two schools in Malawi and Tanzania: success

1. Strong collaboration and research network established in Africa

2. Student supervision

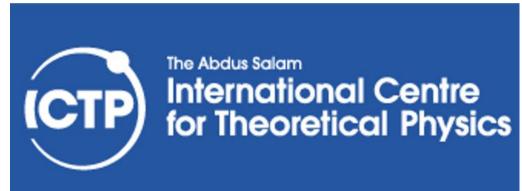
3. One student was accepted at ICTP to pursue the diploma in CMSP section

The future of the Biophysics schools

The vision is to have a focused

African Biophysics Centre of Excellence

Support







The Nelson Mandela African Institution of Science and Technology





Thankyou

Zikombo kwambiri Grazie Mille