



RHODES UNIVERSITY

Where leaders learn

**Diversified Computational Approaches for the Identification of
Orthosteric Drugs, Allosteric Modulators and Unveiling Drug
Resistance Mechanisms; Application to Infectious Diseases**

EMBARGOED

A thesis submitted in conformity with the requirements for the degree of
DOCTOR OF PHILOSOPHY IN BIOINFORMATICS

at

RHODES UNIVERSITY, SOUTH AFRICA
Department of Biochemistry & Microbiology

Faculty of Science

by

Rita Afriyie Boateng

ORCID ID: 0000-0002-2563-9762

March 2021