

Sub-program: Drug Discovery Researchers

Researcher	Research activities	e-mail
Prof David N'Da (Chair)	<ul style="list-style-type: none"> ▪ Synthetic Organic & Medicinal Chemistry ▪ Drug discovery - small molecules ▪ Target parasites: protozoa, <i>Apicomplexa</i> & <i>Trypanosomatid</i> ▪ Diseases: Malaria, toxoplasmosis, leishmaniasis, trypanosomiasis, etc. 	David.NDa@nwu.ac.za
Prof Gisella Terre'Blanche (Vice-chair)	<ul style="list-style-type: none"> ▪ Synthetic and medicinal chemistry ▪ Discovery of A_{2A} and A₁ antagonists ▪ Biological evaluation ▪ Animal research ▪ Diseases targeted: CNS conditions - Parkinson 	Gisella.TerreBlanche@nwu.ac.za
Prof Lesetja Legoabe	<ul style="list-style-type: none"> ▪ Drug discovery ▪ Drug synthesis ▪ Design of Kinase inhibitors ▪ Exploration of selected CNS drug ▪ Diseases targeted: CNS conditions 	Lesetja.Legoabe@nwu.ac.za
Prof Jacques Petzer	<ul style="list-style-type: none"> ▪ Synthetic medicinal chemistry ▪ Diseases: CNS conditions, Parkinson, Alzheimer and Depression ▪ Discovery of MAO-A and MAO-B, COMT, AChE and BuChE inhibitors ▪ Discovery of A_{2A} and A₁ antagonists ▪ Animal research ▪ Antimicrobial research ▪ Molecular modelling 	Jacques.Petzer@nwu.ac.za
Prof Anél Petzer	<ul style="list-style-type: none"> ▪ Synthetic medicinal chemistry ▪ Diseases: CNS conditions, Parkinson, Alzheimer and Depression ▪ Discovery of MAO-A and MAO-B, COMT, AChE and BuChE inhibitors ▪ Discovery of A_{2A} and A₁ antagonists ▪ Animal research ▪ Antimicrobial research ▪ Biological evaluation 	Anel.Petzer@nwu.ac.za

Prof Richard Beteck	<ul style="list-style-type: none"> ▪ Synthetic organic & medicinal chemistry ▪ Drug Discovery ▪ Anti-infective agents ▪ Diseases targeted: TB, malaria, sleeping sickness 	Richard.Beteck@nwu.ac.za
Prof Frank van der Kooy	<ul style="list-style-type: none"> • Phytochemistry & Natural products chemistry • Medicinal plants and ethnopharmacology • Drug discovery from South African traditional medicines • Quality control and standardisation of herbal medicines • Bioactivity screening (e.g. antimalarial, anticancer, antiparasitic) 	Frank.VanDerKooy@nwu.ac.za
Prof Anita Wessels	<ul style="list-style-type: none"> ▪ Analytical chemistry ▪ Drug Development ▪ Quality control ▪ Validation 	Anita.Wessels@nwu.ac.za
Prof Righard Lemmer	<ul style="list-style-type: none"> ▪ Organic synthetic chemistry ▪ Drug discovery ▪ Crystallography ▪ Thermal analysis ▪ Solid-state chemistry 	Righard.Lemmer@nwu.ac.za
Prof Theunis Cloete	<ul style="list-style-type: none"> ▪ Synthetic organic chemistry ▪ Drug discovery ▪ Antimicrobial drugs, e.g. TB ▪ Animal studies ▪ Molecular modelling 	Theunis.Cloete@nwu.ac.za