

Partner search form

Date:	2017/26/10
Valid until:	2018/01/30

Full name of organisation:	WALTER SISULU UNIVERSITY
Organisation acronym (abbreviation):	WSU
Department / sector / faculty:	Human Biology
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Postal code:	5117
City:	Mthatha
Country:	South Africa
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Full name of contact person:	MATHULO M SHAULI
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Former participation in EU research projects as Co-ordinator:	None
If yes, please specify:	

Project idea

Project title:	General and Genotoxicity Profiling of Medicinal Plants used Traditionally to manage Mycobacterium tuberculosis in the Eastern Cape Province of South Africa
Acronym:	
Project type:	Novel drug hunting from natural sources. TOXICOLOGY
Short description of project idea:	<p>The project aims at investigating the toxicity effects of medicinal plants that are traditionally used to manage tuberculosis in the south Africa-eastern cape province. The selected medicinal plants will under efficacy investigations prior to toxicity investigations. This is a multi-disciple research project towards my PhD. The intended sub themes in this project are</p> <ol style="list-style-type: none">1. Collect the selected medicinal plants which have been used to manage pulmonary related diseases2. Obtain crude extracts and investigate their efficacy on drug resistant strains of mycobacterium tuberculosis3. Carry out compound identification and analysis4. Carry out Susceptibility tests on microorganism using crude extracts5. Finally perform toxicological investigations of the plants that have shown positive results against the TB organisms6. Carry out Genotoxicity analysis on the same plants to complete the toxicology analysis of the promising medicinal plants. <p>This project is very relevant towards the invention of new novel agents that could lead to finding natural products that could treat the multi-drug resistant mycobacterium tuberculosis. Natural products are the options to explore as scientists considering the current situation of drug resistance in managing tuberculosis.</p>
Expertise:	Plant extractions Histotechnology-the actual tool to use in toxicology Animal treatments and handling Sampling of organs from animals/complete necropsy procedure Data collection

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Profile of partner sought

Type of partner:	Well experienced partner in the field of animal research, female researcher preferably, with publication record at high impact journals.
Role to cover in the project:	
Country / Region:	Any European country will be okay for me
Start of collaboration:	2018
Expertise required:	Toxicologist Knowledge of Compound analysis techniques Microbiology skill

I agree with the publication of my data!

Please fill-in in English and return to contact@esastap.org.za