



# UNLOCKING AND REVOLUTIONIZING HEALTHCARE

DESIGNING SAFE, BETTER AND  
PRECISE MEDICINES

**2024**  
OVERVIEW

**IPHYTOS COMPANY TANZANIA LTD**

DAWA BORA, SALAMA NA SAHIHI

## A word from CEO

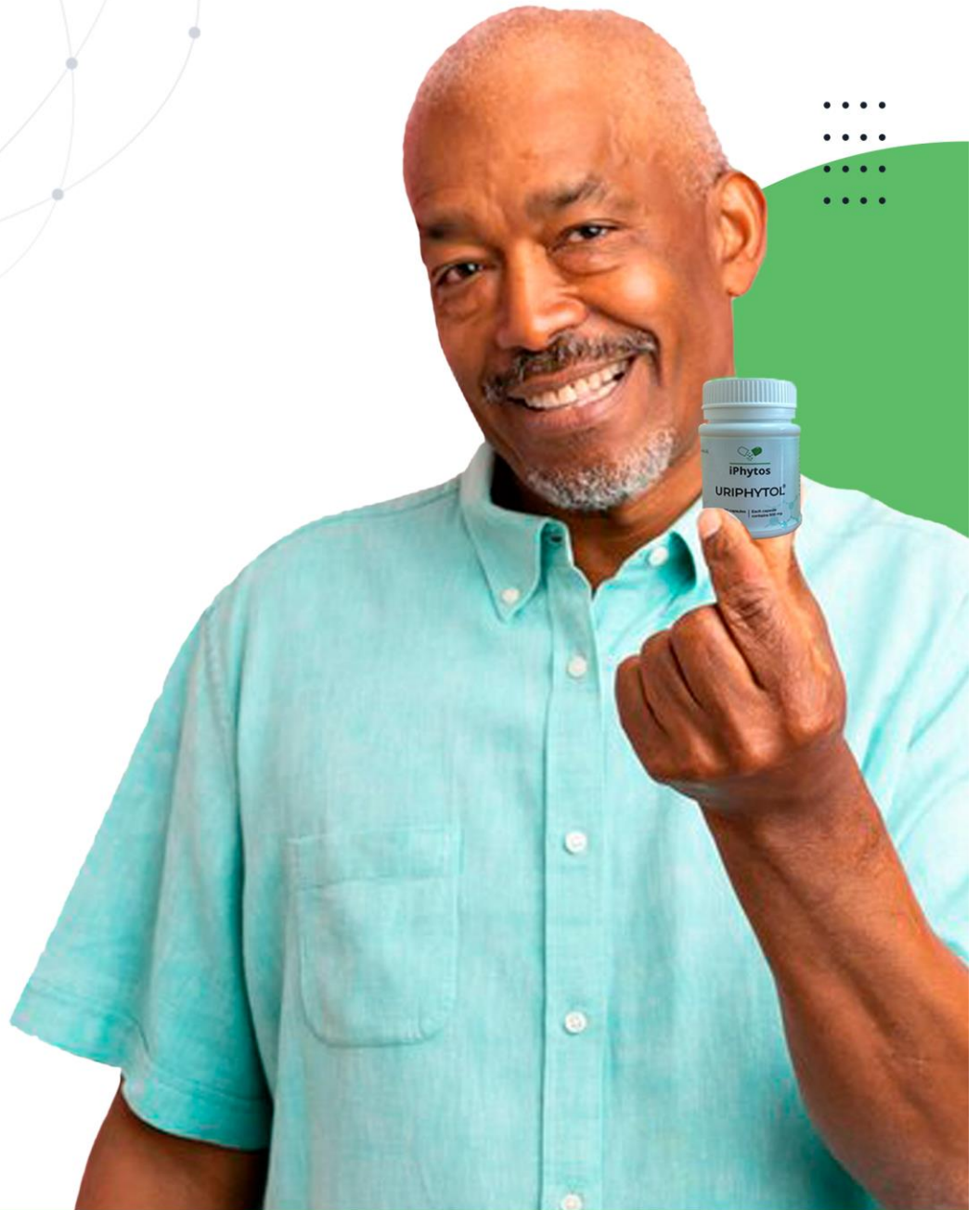
Welcome to iPhytos, where innovation intersects with precision in medicine development. As a founder and CEO, I am thrilled to introduce you to our pioneering company. At iPhytos, we leverage cutting-edge Artificial Intelligence (AI) and atomistic simulation techniques to revolutionize the process of medicine design and development. This forward-thinking approach enables us to swiftly create safe, effective, and precisely tailored medicines. Our unwavering dedication to advancing healthcare through state-of-the-art technology ensures that we remain at the forefront of medical breakthroughs. Thank you for joining us on the journey towards a healthier future.



**Dr. Daniel M Shadrack, PhD**

Founder and CEO

iPhytos Company Tanzania Ltd.



KWA AFYA BORA YA TEZI DUME TUMIA

**URIPHYTOL<sup>®</sup>**

## About Us

We are a biotech company that leverages AI-driven insilico technologies to innovate and develop medicines.

## Mision

To discover and develop drugs and herbal medicines through the use of cost effective insilico technologies.

## Core Values



Work Smart & Innovation



Integrity, Trust & Trustworthiness



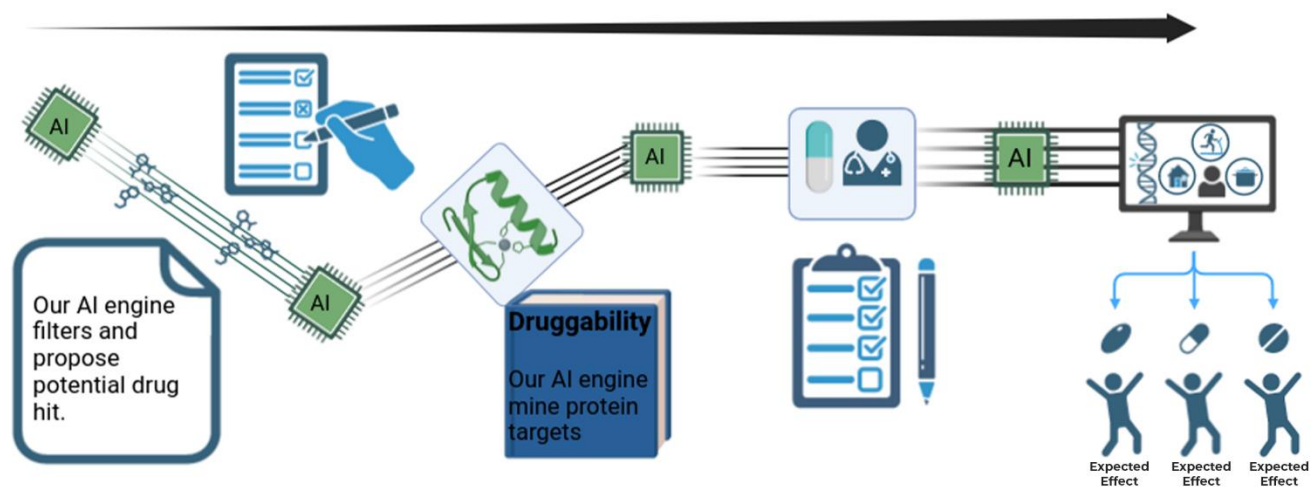
Agility & Patient first



# LEARN HOW WE DO WHAT WE DO

**IPHYTOS** is on a mission to make healthcare better using smart technology. We use Computer-Powered tools to create medicines that are safer and work better. Our goal is to give each person the right medicine, just for them, so they can feel their best.

We leverage AI in every stage of drug development.



# OUR CORE ACTIVITIES

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## Insilico drug design

Our engine is revolutionizing the discovery of medicine by identifying potential molecular targets and designing treatments.



## Clinical trials

By collaborating with esteemed partners in academia and research, we conduct thorough pre-clinical and clinical evaluations.



## Commercialization

Our mission is to redefine healthcare standards, making advanced and reliable medicines accessible to all.

# UNVEILING IPHYTOS' DYNAMIC WORK ETHOS

Do you have a drug design project?

We extend our expertise to support others in their drug design endeavors, unlocking their full potential.

Contact us.



We cultivate a resilient and collaborative team dedicated to tackling urgent health challenges through our innovative approaches.

# IPHYTOS BY NUMBERS



**8** INTERNAL DRUG  
DESIGN PROJECTS



**4** COLLABORATIVE  
DRUG DESIGN  
PROJECTS



**1** REGISTERED  
MEDICINE



**1** MEDICINES IN  
CLINICAL TRIALS



**4** COLLABORATING  
INSTITUTIONS





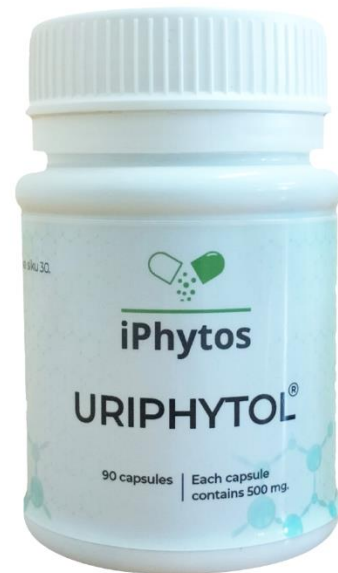
# OUR PRODUCTS CATALOGUE

REGISTERED MEDICINE(S)

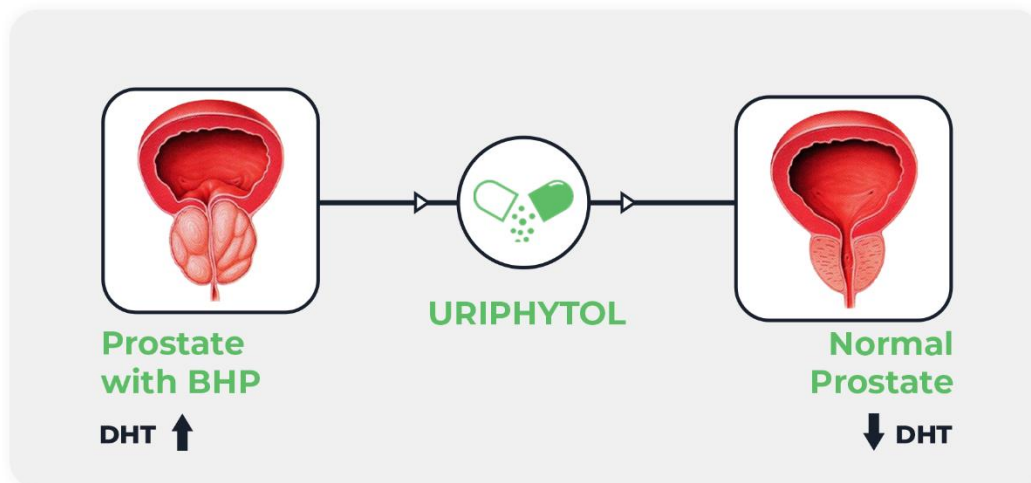
## 1. URIPHYTOL®

Highly effective in prevention, treatment and cure of LUTS due to enlarged prostate (BPH).

Ina uwezo mkubwa wa kukinga, kutibu na kuponya changamoto za njia ya mkojo zinazosababishwa na kutanuka kwa Tezi Dume.



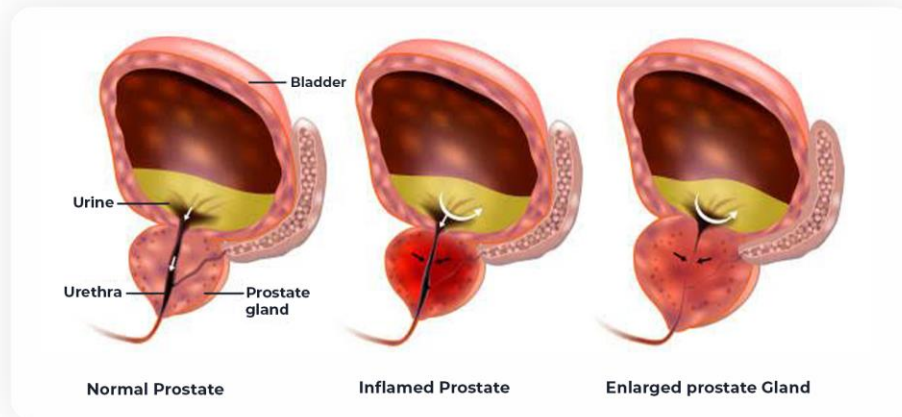
(REGISTERED IN TANZANIA)



KWA AFYA BORA YA TEZI DUME TUMIA  
**URIPHYTOL®**

# EXPLORE THE BENEFITS OF **URIPHYTOL<sup>®</sup> - 500 mg Capsule**

Enlarged prostate (Tezi Dume), can stem from prostate inflammation and/or the conversion of testosterone to dihydrotestosterone (DHT) by 5-alpha reductase.



URIPHYTOL, containing standardized extracts of curcuma longa and cucurbita spp, specifically formulated for enlarged prostate (BPH) treatment, offers notable advantages:

1. With potent anti-inflammatory properties, it effectively mitigates inflammation markers associated with prostate enlargement.
2. It efficiently reduces prostate volume by 35-40% within just one month of consistent use, promoting optimal urine flow.
3. URIPHYTOL demonstrates an impressive capability to reduce PSA levels by 40% within a month of regular usage.

In addition, URIPHYTOL enhances fertility, libido, and addresses erectile dysfunction.

URIPHYTOL stands out as the leading solution for enlarged prostate and urinary disorders.

## References

1. Pharm Biol. 2021; 59(1):1024-1033
2. BMC Complement Altern Med. 2015; 15:380
3. Pharmacology & Pharmacy, 9, 193-207
4. Med Chem. 2016; 6:012-021
5. Archivio Italiano di Urologia e Andrologia, 2016; 88,2
6. J Clin Med. 2023; 12(5):1899

# OTHER DISEASES WE WORK ON

Our in-house engine is helping to explore the molecular targets and development of small molecules for the treatment of various indication.

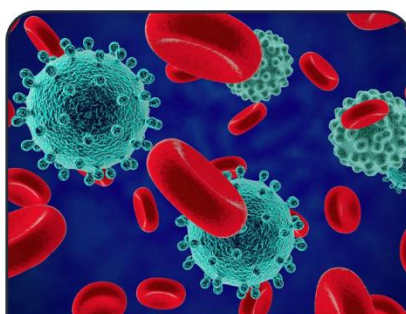
Our approach is revolutionizing drug discovery by developing better, safer and more precise medicines faster.



## FIBROIDS

(UVIMBE KWENYE KIZAZI)

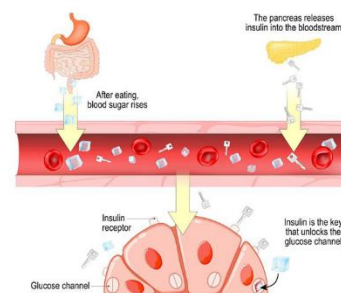
Our engine aids in discovering small molecules to treat fibroids.



## HIV/AIDS

(UVVU/UKIMWI)

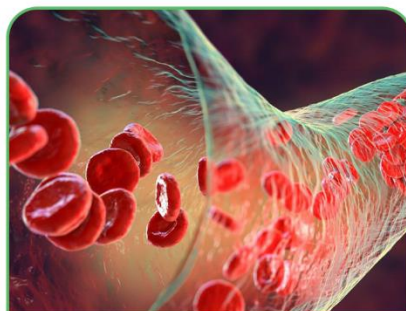
Our engine identifies potential molecular targets for HIV.



## DIABETES

(KISUKARI)

We use our tech to explore ways to reverse diabetes by improving cells' response to insulin.



## HYPERTENSION

(SHINIKIZO LA JUU LA DAMU)

Our tech identifies target for hypertension, showing promise in restoring normal blood pressure.




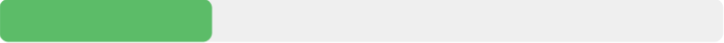






## CANCER

(SARATANI)

Our engine identified molecules for treating both prostate and breast cancer.

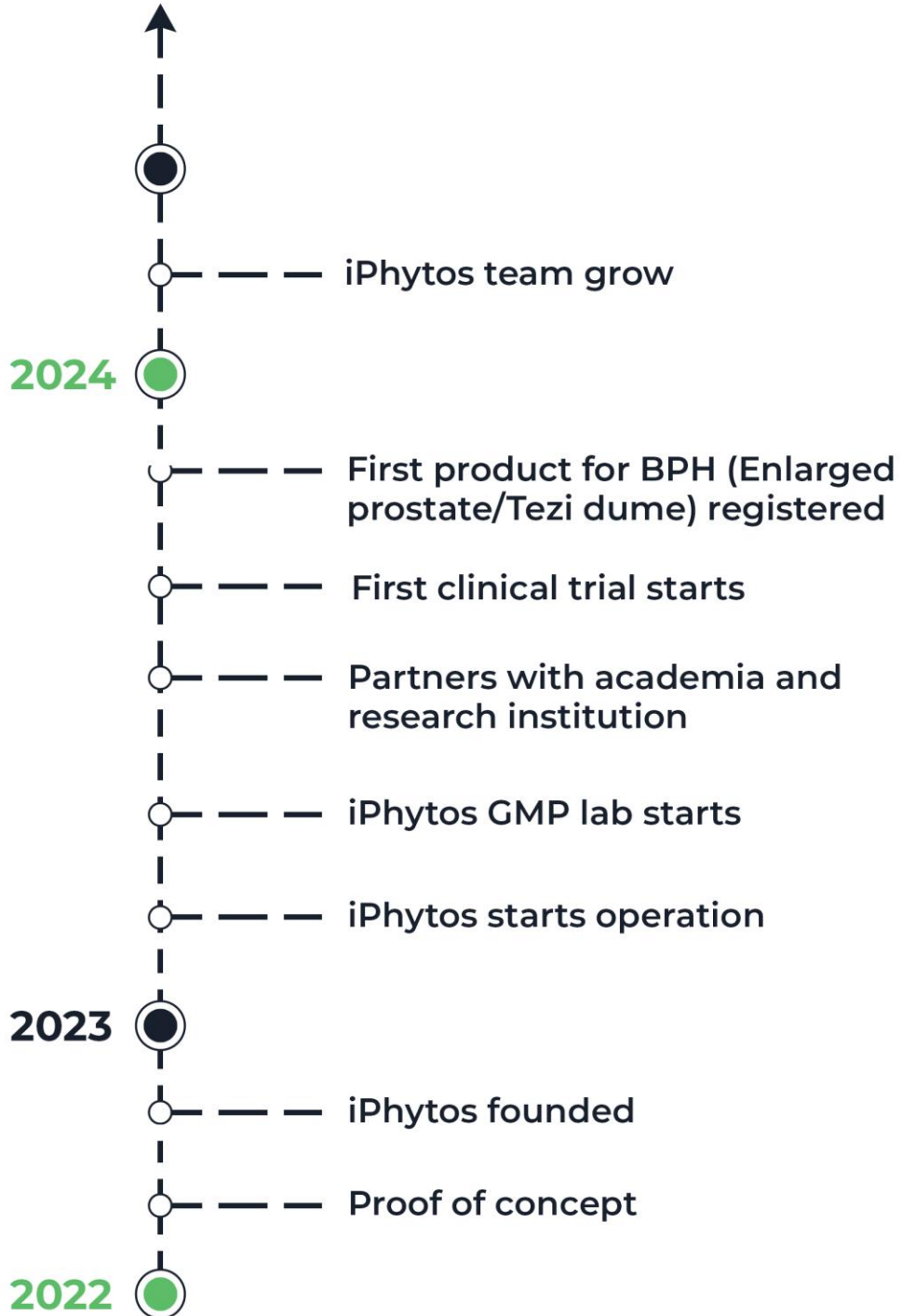
# DRUG DEVELOPMENT STAGES

INDICATION	TARGET	DISCOVERY	IND-ENABLING	PHASE 1	PHASE 2
BPH (Enlarged Prostate)	5 Alpha				
Diabetes	Undisclosed				
HIV/AIDS	Undisclosed				
Haemorrhoids	Undisclosed				
Fibroids	Undisclosed				
Hypertension	Undisclosed				
Prostate Cancer	Undisclosed				
Breast Cancer	Undisclosed				

# WE ARE HERE



## OUR JOURNEY



# IPHYTOS AND SUSTAINABLE DEVELOPMENT GOALS (SDG)

At iPhytos, we apply insilico technologies to pioneer transformative medicines and advance health and well-being, championing SDG 3 and 9.



# OUR COLLABORATORS

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At iPhytos, we foster collaborative relationships with esteemed academia and research institutions. Our diverse network of collaborators includes institutions known for groundbreaking research and innovation. Some of our valued partners are highlighted below, each contributing expertise and excellence to our shared commitment to advancing healthcare.



iPhytos collaborates with The Wistar Institute towards the discovery of antiviral hit molecules with the focus on Covid-19, HIV and influenza.



University of Buea  
Center for Drug Discovery

We are working on two projects towards the discovery of

1. Antimalarial hit molecules and
2. Antiviral compounds.



The University  
of Dodoma

We collaborate with the University of Dodoma (UDOM) in two different projects;

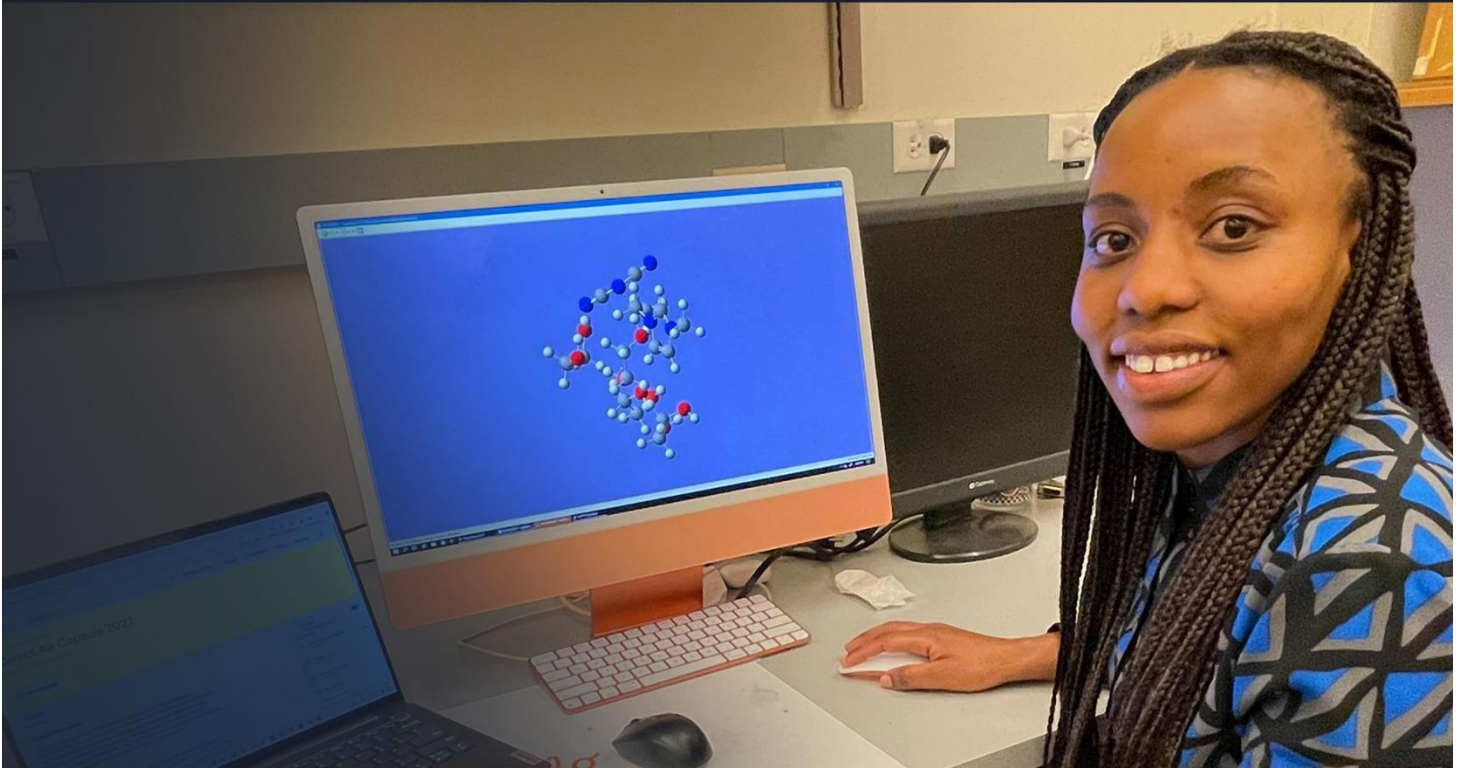
1. The discovery and optimization of antiviral compounds from hit to lead optimization.
2. In the second project we are developing a traditional antidiabetics medicine.



Muhimbili University  
of health and Allied  
Sciences

We work together on pre-clinical and clinical trial for various projects.

# FOCUSING EXPERTISE ON THE MOST CHALLENGING PROBLEMS

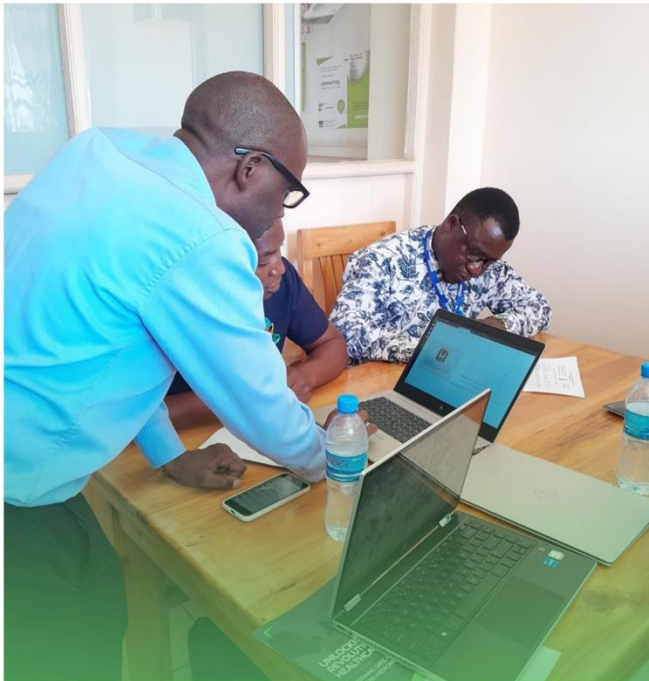


We cherish teamwork environment to support creativity and empower each member to contribute their unique talents. Together we drive continuous excellence.



# IPHYTOS GMP - COMPLIANT LABORATORY

Iphytos' dedication to GMP compliance ensures our laboratory maintains rigorous standards, resulting in consistently high quality medicines products.





DAWA BORA, SALAMA NA SAHIHI

## Contact Us

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