

Public Presentation for the Position of Vice Chancellor Mbarara University of Science and Technology



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Presentation outline



- 1. Brief background
- 2. Position of Vice Chancellor
- 3. Motivation
- 4. Vision & Business Plan for MUST
- 5. Suitability for the Position of VC, MUST



Expectations of University Education in the 5th year of 2020's decade



Challenges of University Education in Uganda

ACADEMIC STAFFING

- PhD holders to student population is alarming at 135 students : 1 PhD holder
- In 2019/20, there were 8131(66.7%) fulltime and 4056 (33.3%) part-time academic staff
- Low staff development
- Staff ill prepared to adopt ODeL

STEMI ACCREDITATION

- 137 STEM programmes accredited in 2019/20
- Bachelor's degree programs 36%, PhD programs 11%, masters 23%, and PG diplomas 4%
- Government needs to intensify its effort to strengthen science and technology



LOW RESEARCH OUTPUT & POOR INFRASTRUCTURE

- Low laboratories, facilities/equipment
- Space limitation
- Few computers for staff & students; ratio of 14 students per computer
- Bandwidth, access to internet and eresources poor

SKILL GAPS & CONSTRAINTS

- In 2019/20; number of hard copy textbooks dropped by 17%
- Operate on emergency budgets. Some cannot sustain payment of salaries
- Need to diversify sources of funding and improve institutional governance

Å report on higher education delivery and institutions. The State of Higher Education and Training in Uganda 2019/20

Challenges of Higher Education in the Country

- Inadequate, deteriorating and condemned infrastructure
- HR: Inadequate staffing, insufficient remuneration, delayed promotion, demotivation, moonlighting, brain drain
- Declining quality of graduates
- Insufficient resources for research and innovation
- Gender inequality in access, STEMI and academic leadership
- Poverty limiting access and affordability
- Regional imbalance and perpetually disadvantaged areas in extreme poverty
- Curricula that are not locally relevant, and not offer practical skills
- Blended learning challenges, limited bandwidth and ICT infrastructure, user competencies & acceptability
- Limited employment for university graduates
- Examination malpractice, unregulated admission criteria



Legal and Governance framework for Public Universities



- Constitution of the Republic of Uganda, 1995
- Universities and Other Tertiary Institutions Act (2001)
- Ministry of Education and Sports
- National Council for Higher Education
- Uganda National Examinations Board
- Public Finance Management, Act 2005
- Public Procurement and Disposal of Public Assets, Act 2003
- Employment Act, 2006
- National Library Act, 2003
- Uganda National Council for Science and Technology (UNCST), Act 1990
- Building Control Regulations, 2020
- The Land Regulations, 2004
- National Environment Management Authority, Act
- Inter University Council of East Africa, Act 2009



Mbarara University of Science and Technology (MUST)

Established in October 1989, by the MUST Statute 1989

The Statute was repealed and replaced by the Universities and Other Tertiary Institutions Act 2001 (as amended).



Vision: To be a center of Academic and Professional excellence in Science and Technology



Mission: To provide quality and relevant education at the national and international levels with particular emphasis on Science and Technology and its application to community development

2022 Integrated Annual Report

https://www.must.ac.ug/downloads/annualreports/MUST%20Integrated%20Annual%20Report%202022.pdf

Strategic plan 2020/2021 – 2024/2025

https://www.must.ac.ug/downloads/Strategic_plan/MUST%20Strategic%20Plan%20July%202022.pdf



MUST (2022 Integrated Annual Report)

	Key Highlights				
History	MUST will make 35 years of its existence on October 28, 2024				
Accredited Programmes	67	γ <u></u>			
Number of Students	>5000 (67% Male, 33% Female)	4 7			
Current Status	NCHE Accredited		115 Academic Sponsorships	Improved Support	300 Publications
Outgoing VC	Prof. Celestino Obua	Automation of manual tasks			
Budget	58.7B UGX	Thanaar tasks	3ponsorsinps		Publications
Opened in October 1989 after extensive modification of		• 574 staff (66% Male, 34% Female).			
Opened in October 1989 after extensive modification of		• 6 faculties, 3 institutes, > 200 outreaches.			

Success

Risks

Overvi

Financial

- The Government of Uganda
- **Donors & Partners**
- MGH Global Health Collaborative

based training and engagement.

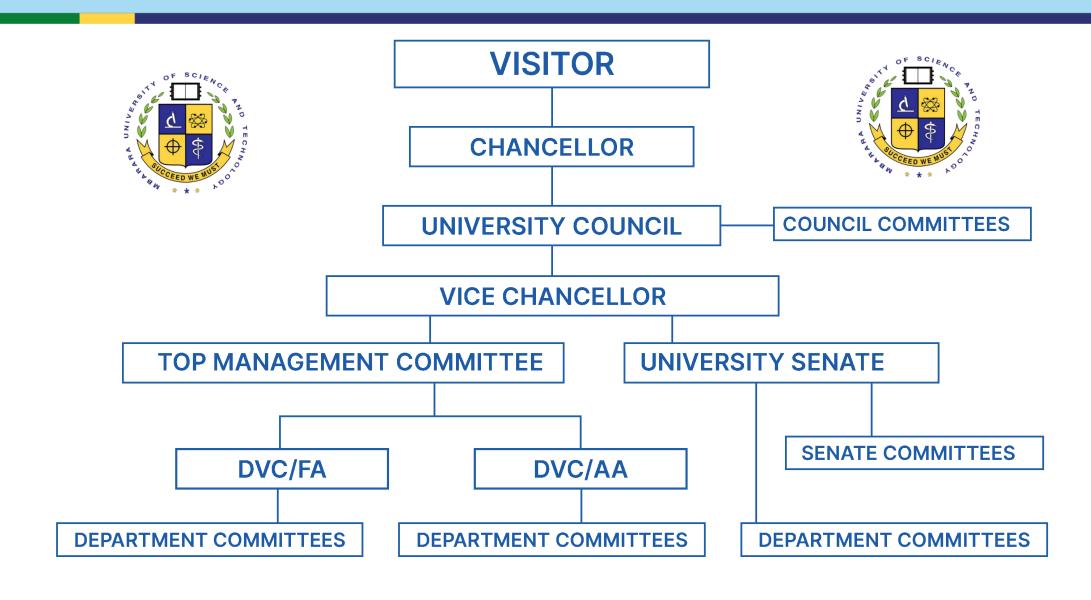
physical facilities of the former School of Midwifery at the

Mbarara District hospital. Founding Philosophy of community

- SIDA Bilateral Support to Uganda
- MasterCard Foundation
- PHARMBIOTRAC (World Bank)

- 92 grants that supplement the 58.7B UGX budget.
- 280.258ha of valuable land in Mbarara City.
- Impact to Operations 93% of the budget is dedicated to wage and recurrent expenditure. Only 3% is for R&D
 - **Technical Issues** A ratio of 20sq.m per 89 students in computer labs upends STEMI and research initiatives
 - Functional Issue Not enough space for sports, student union offices and some faculties

MUST GOVERNANCE STRUCTURE

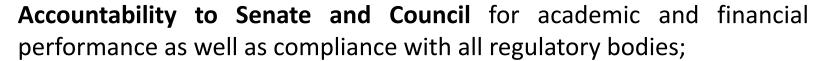


Vice Chancellor Roles and Caliber



In general terms, a Vice-Chancellor(VC) has four major responsibilities:



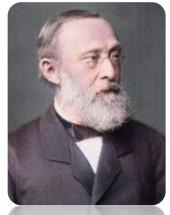




Key point of contact for stakeholders

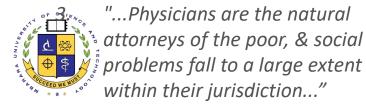
- Different individuals, and different groups, with diverse demands and needs that are often diametrically opposed. The VC has to listen to a range of views, examine all the evidence available and exercise judgements & decisions
- VC is the lighting rod: my personality and capabilities will spur MUST to greater horizons

Motivation for VC MUST Position

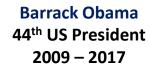


Dr. Rudolf Virchow 1821 - 1902 German Physician, Pathologist, and Anthropologist

- 1. "...If medicine were to accomplish its great task, it must intervene in political & social life..."
- "...Medicine is a social science & politics nothing but medicine on a grand scale..."









"Change will not come if we wait for some other person or if we wait for some other time. We are the ones we've been waiting for. We are the change that we seek."

February 5th, 2008 Speech



Vision: To harness the potential of MUST to a university ranked first nationally, among the top 20 in Africa, and the top 1000 globally

Mission: MUST that delivers academic excellence, conducts impactful research, hires and retains the best staff, and attracts the best students to graduate as change agents for delivery of transformative services relevant to today's and future service needs.

Governance

Academic excellence & Integrity

Diversity, Equity, & Inclusiveness

IMPLEMENTATION STRATEGIES

Research & Innovation

Outreach



- Reduce budget
 leakage
- Listening sessions to identify Quick Wins
- Compliance with laws, regulations & policies
- Transparency & Accountability

- Strengthen curricula
- Strengthen student support
- Increase number of faculty with PhD
- Introduce new interdisciplinary programs
- Introduce new twinning programs

- Foster an open nurturing environment
- Support professional development and training
- Provide training on unconscious bias to all staff levels and students

- Establish research and grants challenges
- Strengthen Research
 Sponsored projects
 office
- Incentivize Research and innovation awards
- Promote interdisciplinary research

- Stakeholder outreach
- Student and staff outreach
- Establish VCLecture Series
- Spotlight staff and student achievements
- Industry partners

PERFOMANCE METRICS

Governance

- Stakeholder engagement & listening sessions (Town hall meetings)
- Ensure efficient resource utilization, & program based budgeting
- Transparency, accountability, & zero tolerance for corruption, & wastage
- Enhance access to internet & integrate ICT technology in all operations, PR office to enhance branding, visibility & website
- Asset management including land, acquire more & use for income generation
- Review and update current strategic plan for the period 2025/2026-2035/2036
- Enhance compliance with laws, policies and guidelines
- Foster energy saving & conservation,

Academic Excellence; branding MUST to a center of excellence

- Restructure training centres (urgent for FoM)
- Strengthen PhD supervision & training & increase PhD students & post docs by 20% in 5 years (23 graduation: 27 PhDs, 158 Masters & 3PGDs)
- Double staff with PhDs from 19% to 38% in 5 years
- Skills in line with global trends; FinTech, machine learning, robotics, & AI
- Increase staffing by 20% in 5 years for adequate student teacher ratios
- Quality assurance, & regional campuses,
- Academic Medical Centre with world class service
- New academic programs, e.g., veterinary & sports medicine, engineering, super-specialist training
- Empower faculty, deans and HoDs
- Increase exchange programs at international universities & industry placements

Diversity, Equity, and Inclusiveness (DEI)

- Foster an environment where staff, faculty, and students' voices are heard, and people feel included
- Empower staff & students to communicate their positive and negative experiences & promote civil discourse in and outside lecture halls
- Promote equity and inclusiveness at all university levels
- Review human resource manuals and policies to ensure compliance with DEI initiatives
- Identify suitable courses to enhance DEI initiatives and stop unconscious bias and stereotyping

Research and Innovation

- Identify and mitigate constraints to Research and Innovation
- Support interdisciplinary research and innovation, research agenda
- Training in research methodology, data analysis, & scientific and grant writing, including use of complex study designs
- Strengthen grants management, REC, research integrity, data analytics, dissemination, intellectual property rights, & ramp up innovations to commercialization
- Challenge trained staff to increase publications (2) & grant applications (1)
- Cutting-edge research; one health; Ebola vaccines & therapeutics, HIV cure
- Short-term training and coaching locally & abroad, double collaborations (61, 2022), in 5 years

Outreach

- Communicate programs, opportunities, achievements to attract highquality students and staff
- Strengthen PR office & utilize digital technology to disseminate, increase visibility & opportunities for cross-fertilization, global attraction, & community engagement, enhance MUST branding
- Establish VC Lecture Series, bring notable figures to MUST to share key professional career life experiences
- Sponsor accomplished faculty to give invited talks at strategic meetings or institutions
- Increased short- and long-term partnerships with Government MDAs, universities & industry



National Science Technology Engineering & Skills Enhancement Project in Rwebiteete, Kiruhura District, for engineering innovation, incubation, & manufacturing, implemented by UNCST under Min. STI.

Focus on industrial & civil engineering, metallurgy, automotive engineering, electrical & electro pneumatics

Work Environment

- Prioritize infrastructure development (FoM), expand MUST size & quality with state of the art teaching facilities & equipment, by seeking funding from GoU, international donors, grants
- Review HR manual for opportunities to restructure, recruit, and promote
- Office furniture & equipment, laboratories for practical skills, water, sanitation & hygiene, maintenance of structures, reduce wastage, EHSS
- Relationship & communication with staff, students and alumni, office space, reward teaching eg clinical teaching & scholarship
- Administrative support for HoDs, Deans, etc

Work Environment



Welfare

- Guarantee inspiration, charisma
- Ramp up Council, Senate, Staff & committees' welfare to execute mandate
- Staff welfare; medical insurance, health & wellbeing, timely promotion, & housing
- Prioritize mentorship and student support; grooming, confidence building, discipline; hostels, food, sports, health including mental health, alcohol & substance abuse prevention & care, harassment
- Effective communication, open door policy & team building

Performance Metrics and Evaluation

Short term

- Number of Town hall meetings held, number of staff who participate & response
- Branding & maintenance

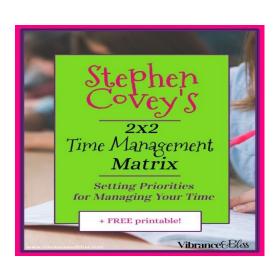
Mid to Long term

- Monitoring and evaluation reports
- 2025/26-2035/2036 Strategic plan
- 2025/26-2035/2036 Strategic plan midterm review report
- MUST Ranking

Key deliverables

- Governance reports
- Infrastructural development
- Accredited programs, new programs, number & quality of graduates
- Reported feedback captured on digital space reports including on DEI
- Number & quality of PhDs, research & innovation programs, publications
- Funding; number & size of grants won
- Number and quality of outreach programs
- Number and quality of new partnerships, industry placements, exchange programs





The Balanced Score Card (BSC)

Vision			(x→o o×			
		Mission	Strategic Priorities		Strategic Results	
A MUST that delivers academic excellence, conducts impactful research, hires and retains the best talent, and attracts the best students			Governance & Academic Excellence and Integrity		Budget frugality & compliance, strengthening curricula, increase PhD enrolment, ramping up interdisciplinary culture & enriching student support	
		To harness the potential of MUST to a university ranked first nationally in STEMI, among the top 50 in Africa, and the top 2000 globally.	Diversity, Equity and Inclusiveness (DEI)		Valuing individual differences, fostering an inclusive environment, and training staff on how to overcome implicit, explicit, affinity and confirmation biases.	
			Research, Innovation, and Community Outreach		Reinvigorate the MGO, incentivise research outcomes & ramping up inclusive research and outreaches by involving students and staff.	
Strategic Map/Objectives			KPIs	Targets	Initiatives	
S Financial		Increase Revenue Increase Profitability Decrease Operating Costs	Net ProfitOperating Costs	> 5% Per Ye > 3% Per Ye	hudget oversight Improve OPEX	
Customer		Improve Market Product Offering Improve Market Penetration & retention Improve Customer Experience	% Market Share Index% Student Conversion and CX Index	3% Per Ye> 10% Eac> 5 stars Rat	ch Quota Student Feedback system.	
Internal Processes	Improv Offerin Selectio	g Information Quality Cost	 New Programmes As % Of gross enrolment Cost Efficiency Index Capacity Utilization Index 	> 10% First \ > > 50% Eve	ery > Training Programme For New	
Organizational Capacity	Improve Knowledge & Skills Improve Technology Improve Supply Chain		Staff Learning and Development Plans	> 80% In Pla > Skills Matri		
Student and Staff Focus – Integrity – Quality – Transparency – Community outreach – Efficiency - Profitability						



Proposed Financial and Resource Acquisition and Allocation

- Seek a one-time funding increase from GoU for infrastructure
- Seek increased funding for R&I from the GoU from 1.8 billion/yr to 9 billion (5-fold increase)
- Seek funding for staff recruitment & promotion
- Increase publications by 20%/year; to double in 5 years
- Increase number and quality of grants & collaborations to double in 5 years
- Improve quality of education & increase programs to attract and increase student enrolment and fees
- Strengthen partnership & fundraising from Alumni/Convocation, Community & Philanthropists, Governments, development partners
- Diversify income generation; PPPs, fee for service projects, university consultancies, paid evening programs, lease unutilized land
- Develop consulting capacity competing with international pharmaceutical, medical & engineering companies in value consulting & solutions generation

Risk Management and Contingency Planning

	Risk	Mitigation
-	Closure of University facilities by regulators due to dilapidated, condemned, inadequate infrastructure or due to fires	Seek capital development funding Inspect and maintain facilities
	Graduating unqualified students due to academic fraud and lack of integrity	Governance strategy focus on academic excellence, and integrity and improved outreach
	Student and staff industrial action	Governance and outreach strategies to <i>monitor</i> , <i>detect</i> , and <i>respond</i> to emerging risks before they become crises
	Financial risk; under funding, inefficient budget operations	Management and operational efficiency Seek increased budget support from Government Increase grants portfolio, Diversify income generation
	Bribery and Corruption	Zero tolerance for corruption and bribery Sensitize staff and take swift action against non-compliance
	Natural disasters, epidemics, pandemics	Disaster preparedness plan

My Suitability for the Position of VC, MUST

Sustainable Growth

Building on the past to ramp up a high-quality University with a lot of positive touchpoints that would attract staff, students and partners.



Performance Oriented Culture

Creating great experiences in managing all resources with care and consistently being profitable. A solid track record of resource mobilization indicates seriousness.



Caring

Craft a DEI culture that will stick for the foreseeable future. A life and work balance will complete my quest to make MUST a five stars work place.



Foreground Transparency and effective communication through a versatile quality assurance.



Corporate Philosophy



People

Motivating and retaining HR that is committed to the long-term success of MUST. As a result, staff will be rewarded with competitive compensation and benefits scheme. The net effect is vibrant student and staff community



My Suitability for the Position of VC, MUST

Who is Pauline Byakika-Kibwika?

- Posses technical & professional knowledge & experience
- Authority of rank Professor
- Act with high level of integrity, professionally and socially
- Visionary & Strategic thinker, natural leader and motivator
- Passionate about my work & extremely well organized
- Seek new challenges, and aim to conquer them
- Advocate for work-life balance, health & wellbeing
- My Leadership style: Transformational and Democratic

Core values

Excellence
Integrity
Transparency
Accountability

Vulnerabilities

Highly ambitious
Goal oriented
Desire efficiency
Mastered patience



Academic Background

INSTITUTION	QUALIFICATION	PERIOD	Expertise
Havard School of Public Health, USA	Certificate	2013-2015	Leadership
Trinity College Dublin, Ireland	PhD	2009-2012	Clinical pharmacology & Pharmacokinetics
Sewankambo Scholar	Certificate	2006-2010	Principal Investigators & Research Leadership
INTERACT-NACCAP Clinical Research Program	Certificate	2005-2010	Clinical Research & Leadership
Makerere University, Kampala, Uganda	MMed Int Med	2002-2005	Internal Medicine
Makerere University, Kampala, Uganda	MSc CEB	2000-2002	Epidemiology and Biostatistics
Makerere University, Kampala, Uganda	MBChB	1993-1999	Medicine and Surgery

Employment

PERIOD	POSITION	EMPLOYER
2022-	Professor of Internal Medicine	Makerere University
2019-	Head of Department of Internal Medicine	Makerere University
2013-	Director of Research and Chair Scientific Review Committee	Makerere University
2013-2021	Associate Professor & Head Infectious Diseases Unit	Makerere University
2008-2013	Lecturer, Department of Internal Medicine	Makerere University
2005-2008	Physician Registrar (Medical Officer special Grade)	Mulago Hospital
2002-2005	Senior House Officer (Resident Medical Officer)	Mulago Hospital
2000-2002	Medical Officer, Accident and Emergency Department	Mulago Hospital

University Academic and Administrative Leadership

PERIOD	COMMITTEE
2019 – to date	Head of Department of Medicine, MakCHS
2017 – to date	Director Research, Department of Medicine & Chair SRC
2017 - 2019	Head, Infectious Diseases Unit
2012 - 2022	Scientific Review Committees, IDI
2020 – to date	Quality Assurance Committee
2020 – to date	Examination Irregularities and Malpractice Committee
2019 – to date	College Finance Committee
2013 – to date	College Academic Board
2013 – to date	Academic and Library Programs Committee (curriculum development)
2012 – to date	Chair, Women Career Development Program
2008 – to date	School of Medicine Board
Student Support committees	
2009 – to date	Chair, Mentorship & Student Support Committee
2019	Patron, Makerere CHS Students' Writers' Club

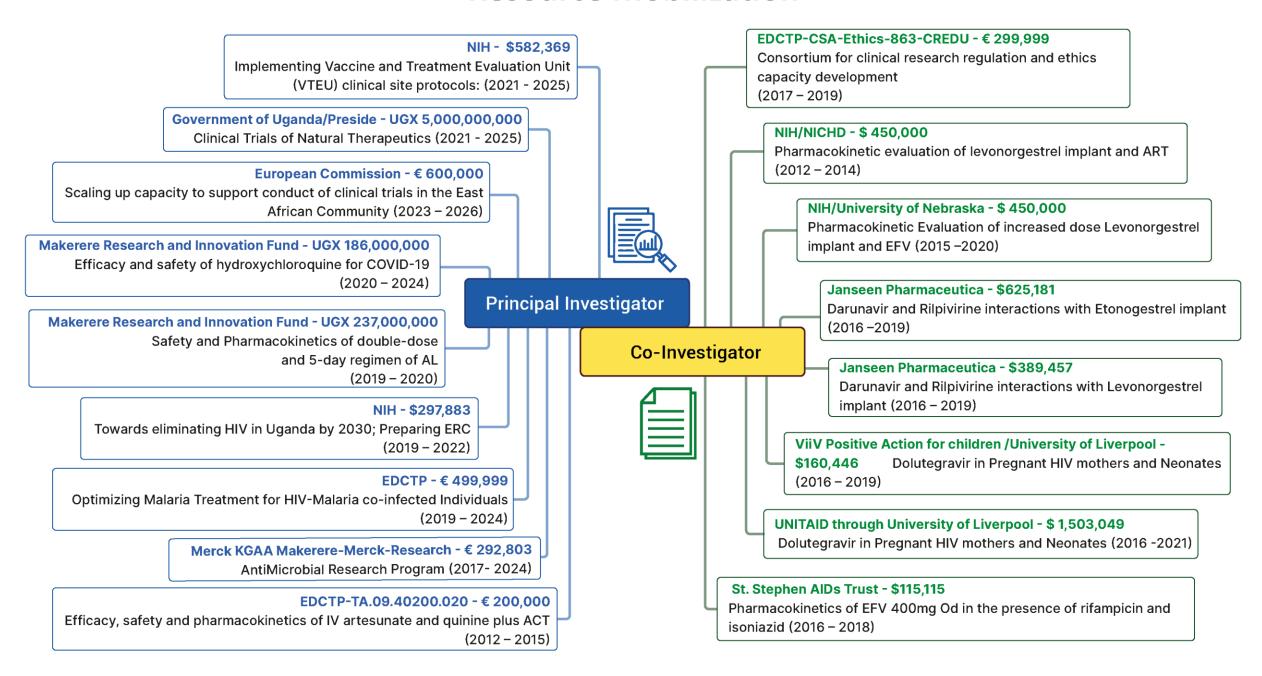
Experience with Universities

- MUST
 - Student assessment & training
 - Accreditation of MUST REC
 - COVIDEX Clinical Trial Protocol Reviewer, under Directive of MoH
- Nairobi University, Faculty of Health Sciences
- Busitema University, Faculty of Health Sciences
- Kampala International University
- King Caesar University, Kampala

- UNCST, Accreditation Committee for Research Ethics Committees (RECs)
 - Accredited 32 RECs in the country including university RECs
 - Makerere (5)
 - MUST
 - Gulu University
 - Busitema university
 - KIU
 - UCU



Resource Mobilization



Contribution to Science

- Well accomplished scientist, Professor of Medicine, Epidemiologist & Biostatistician
- Significant contribution to science: HIV, Malaria, TB, COVID-19, Ebola
- Well published
 - 168 results on google scholar
 https://scholar.google.com/scholar?start=50&q=byakika+kibwika+pauline&hl=fr&as_sdt= 0,5
 - 81 results on pubmed https://pubmed.ncbi.nlm.nih.gov/?term=byakika-kibwika

https://www.linkedin.com https://x.com



Contribution to Science









National Service and Experience



MINISTRY OF HEALTH

- Led National cutting-edge research
 - PI, COVID-19
 - Hydroxychloroquine clinical trial
 - Convalesent plasma clinical trial
 - PI, Ebola, Therapeutics protocol
 - Co-I, Ebola Vaccine protocol
- MoH COVID-19 Scientific Advisory Committee
- MoH Malaria Scientific Advisory Committee
- MoH Ebola Scientific Advisory Committee
- MoH National Malaria Control Program

Uganda Malaria Reduction Strategic Plan 2014-2020

Uganda Antimalarial Resistance Strategy, ongoing

Other Ministries

- Prime Minister's office
- Ministry of Finance Planning & Economic Development
 - Member, InterMinisterial Leadership in Health Task Force for Health Sector Strengthening
- Ministry of Education & Sports
 - Countrywide validation of HR for Education
- Ministry of Science Technology & Innovation
 - UNCST Research guidelines
 - REC accreditation
 - Co-PI, Clinical Trials of Natural therapeutics



National Service and Experience









Leadership on Professional Organizations & Community

PROFESSIONAL

- Past President, Uganda Society for Health Scientists
 - Resource mobilization
 - Project planning, management, report writing
 - Research dissemination
 - Two terms, Membership more than doubled
- Vice President, Uganda Medical Association
 - Lobbying and negotiation skills
 - Conflict management
 - Enhanced salaries for health workers
 - Improvement in work environment
- Vice President, Association of Physicians of Uganda
 - Scientific leadership
 - Clinical leadership



BOARDS & COMMUNITY

- Experience on Organizational Boards
 - Board Member, Infectious Diseases Research Collaboration
 - Board Member, Bulamu Healthcare
 - Board Chair, Samasha Medical Foundation
 - Board Chair, Samsonite Institute of Global Health
- **❖** Past President of Namagunga Old Girls' Association
 - Mentorship and career guidance
 - Alumni projects: gate, dinning hall renovation
- Mothers' Union
 - * Kabwangasi CoU, Butebo District
 - St. Andrew's CoU, Bukoto

Regional and International Experience

EAST AFRICA

Commissioner, EA Health Research Commission

- Research agenda for the EAC
- Digital health roadmap
- Young EA Research Scientists' capacity building program with PhD training & Mentorship
- Training of RECs in 6 partner states
- Regional Advisory Panel, East African Laboratory Networking Project



INTERNATIONAL

World Health Organization Clinton Health Access Initiative Oil and Gas Industry

- ■Tullow Oil Pty Ltd
- ■TOTAL Exploration and Production Ltd

Reviewer for several Scientific Journals

- Lancet
- PLOS One
- Journal of Antimicrobial Chemotherapy
- Antimicrobial Agents & Chemotherapy
- East African Health Research Journal
- BMC Infectious Disease

Key Success Factors: MENTORSHIP, NETWORKS & COLLABORATIONS



Core values: Excellence, Integrity, Transparency, Accountability

Personal attributes: Principled, Humble, High on Professionalism & Ethical excellence, Role model, Warm,
Charismatic, Approachable, Brilliant, Innovative, Energetic, Respectful, Fair, Enthusiastic, Team builder









Family person, great support from spouse and children, value work, give time to work

Team Building....









Journey = Climbing Mt Elgon to Wagagai Peak

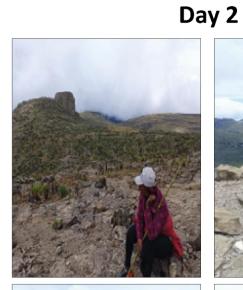


"It always seems impossible until it's done."

- Nelson Mandela















Day 3

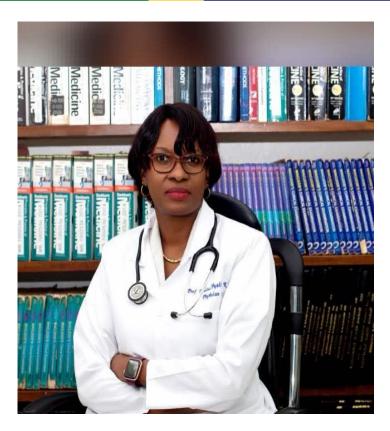








Acknowledgement



- Mbarara University of Science & Technology
- VC, Search Committee
- Secretary, VC Search Committee
- MUST Council
- MUST Senate & Top Management
- Founder and Outgoing VCs, MUST
- MUST Faculty, Administration, Support Staff, Students, Alumni, Community
- My Mentors, Teachers and Referees
- Colleagues at Makerere University, MakCHS, & Department of Medicine
- My family; nuclear and extended
- Friends & Well wishers



Succeed We MUST



Thank You



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