

Mr. Mwesige Nelson
Biomedical Science & Innovation Consultant | CEO, Healthviber Diagnostics Center |
Founding Director, Genetics and Genomics Association of Uganda

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Professional Summary

Accomplished biomedical science and technology consultant with over 25 years of experience in leading medical diagnostics, public health initiatives, and healthcare innovation in Uganda and internationally. Visionary behind the Uganda Medical Production Revolution (UMPR), spearheading transformative projects in local manufacturing of diagnostic equipment, including the first-ever vacutainer blood collection tube factory initiative under the Healthviber Diagnostics Center.

Bridges public-private partnerships, genomic awareness, AI-driven diagnostics, and indigenous medicinal research. Committed to building Uganda's self-reliance in healthcare production through innovation, international collaboration, and strategic leadership.

EDUCATION

- **Master of Business Administration (MBA) – Public Health Management**
Robert Kennedy College, Switzerland
- **Bachelor of Innovation in Science and Society**
Arizona State University, USA
- **Diploma in Medical Laboratory Technology**
Mengo School of Medical Laboratory Technology, Uganda

KEY POSITIONS & ROLES

- **Chief Executive Officer**, Healthviber Diagnostics Center, Uganda
- **Managing Director**, Genetics and Genomics Association of Uganda (GGAU)
- **Principal Investigator / Co-Investigator**, Biomedical and Pharmaceutical Research Projects – Uganda & International
- **Science and Innovation Advocate**, specialising in hybrid AI sampling systems and molecular diagnostics

Flagship Projects

- **Vacutainer Blood Collection Tubes Factory** – Nakasongola Industrial Hub
- **U-HADI Project** – Uganda Hybrid AI Diagnostics Initiative
- **Medicinal Drug Discovery** – Hepatoprotective and Prostate Cancer Drugs from *Ocimum gratissimum* and *Tamarindus indica*
- **DNA Awareness & Genomic Education Campaigns** – Nationwide public health awareness, in collaboration with universities and local health centres

Core Competencies

- Biomedical Science & Laboratory Systems
- Public Health Management & Strategic Leadership
- Genomics, Genetics & Molecular Diagnostics
- AI Integration in Medical Sampling
- Indigenous Knowledge-Based Drug Research
- Project Development, Grant Writing & International Collaboration
- Policy Advocacy & Government Liaison

Collaborations & Partnerships

- **Universities:** Makerere University, Mbarara University, Gulu University, Busitema University
- **International:** University of California, USA | Lifenity Genomics Laboratory, UAE | Endeavour DNA Laboratories, USA
- **Government Ministries:** Health | Gender | Science & Technology | Internal Affairs | Office of the President
- **Private Sector & NGOs:** Biotechnology and health systems strengthening stakeholders

Professional Achievements

- Over 25 years leading medical diagnostics and healthcare innovation initiatives
- Spearheaded the first locally manufactured vacutainer blood collection tube factory in Uganda
- Successfully implemented nationwide DNA and genomics awareness campaigns
- Led multi-institutional research projects on AI-driven diagnostics and medicinal plant drug discovery
- Established enduring public-private partnerships and international collaborations

Vision Statement

To position Uganda as a continental leader in local production of diagnostics and pharmaceuticals, powered by scientific innovation, strategic partnerships, and community-based research that transforms public health outcomes.

Hobbies & Interests

- Conducting science experiments
- Coding and learning new technologies
- Reading and participating in innovation challenges
- Promoting environmental and agricultural awareness
- Teamwork, communication, and presentation skills