

Science Governance in Africa: Challenges and Opportunities- A Young African's perspective



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

Henry Roman (PhD)
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GLOBAL
YOUNG
ACADEMY

Scoping the Future: Views and ideas of **young scientists** to tackle global challenges

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Post 2015 Science in Africa – Challenges and Opportunities

Two faces of Africa - modern cities



Lagos



Nairobi



Johannesburg

Two faces of Africa – rapid urbanisation



Lagos



Nairobi



Johannesburg

The WEF (Water-Energy-Food) nexus



The Diaspora



Project 1808

- Project 1808 has a mission to promote education, sustainable livelihood, and technical capacity in Sierra Leone through various projects
- Affiliated to University of Wisconsin – Madison

Dr Alhaji Njai

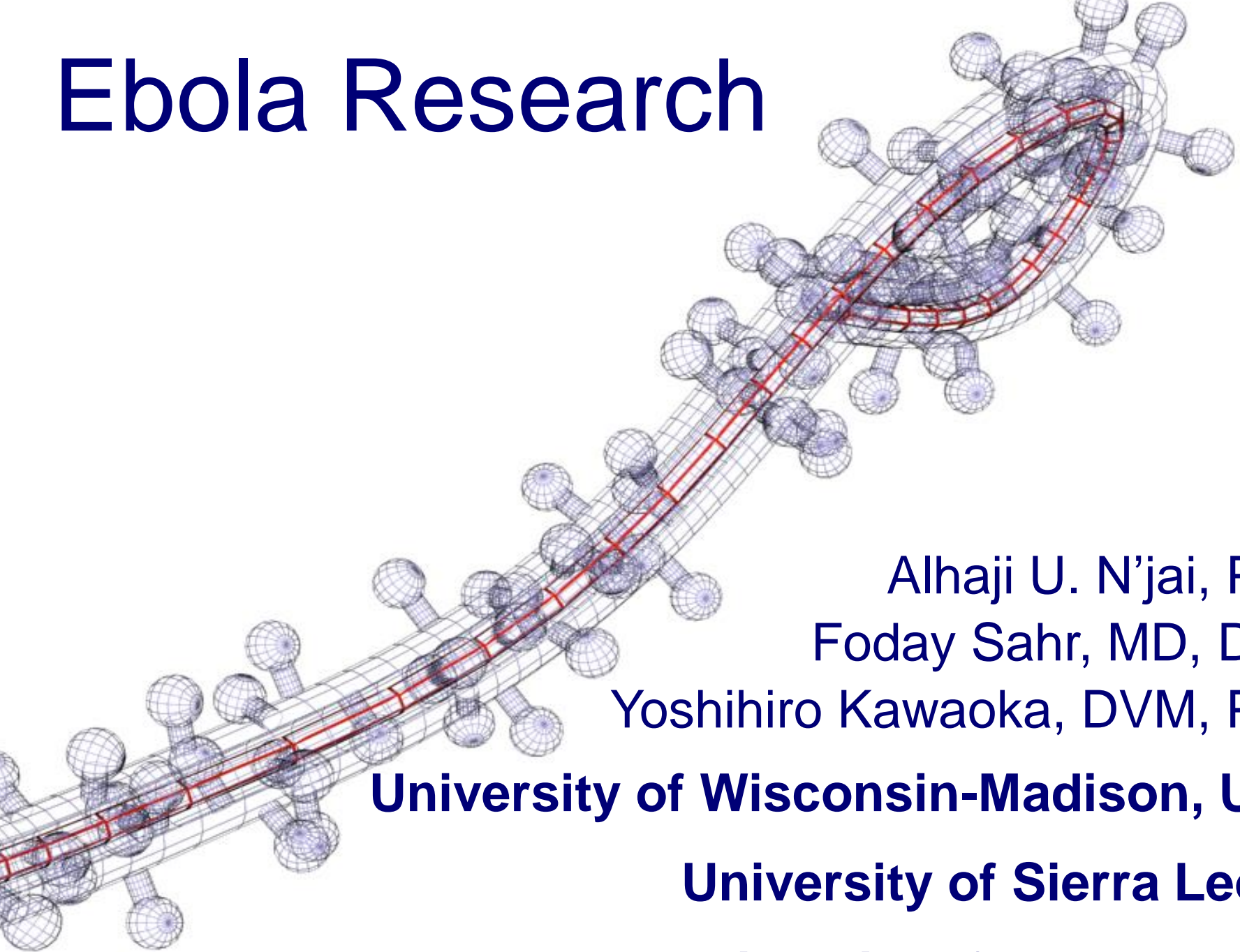
- Founder and Director
- Scientist at Proctor & Gamble
- Adjunct Professor at University of Sierra Leone
- Adjunct Professor at Njala University
- Producer and host of Panafrica show on WORT 89.9

The Diaspora



- Led two UW-Madison undergraduate field courses to Sierra Leone, partnering UW-Madison and University of Sierra Leone students,
 - working in the community to implement ideas.
 - More than 400 Kabala school-age children attended the 2014 health camp.
 - In 2013, the curriculum included hand washing, cleaning and waste management.
 - In 2014, the children learned about the symptoms of Ebola.

Ebola Research



Alhaji U. N'jai, PhD

Foday Sahr, MD, DSC

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University of Wisconsin-Madison, USA

University of Sierra Leone

University of Tokyo, Japan

Africa has a plan - STISA

STISA-2024



SCIENCE, TECHNOLOGY AND INNOVATION
STRATEGY FOR AFRICA 2024

Approved by AU Heads of State and Governments at 2014 July Summit in Equatorial Guinea as a response to the AU Agenda 2063

Places STI at the epicenter of Africa's social and economic development
Responds to the demand for STI from various strategic sectors

Six Impact Priority Areas:

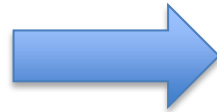
1. Eradicate Hunger and Achieve Food & Nutrition Security
2. Prevention and control of diseases and ensuring wellbeing
3. Communication (Physical and Intellectual Mobility)
4. Protect our space
5. Live together – Build the community
6. Create wealth



Africa as a partner for STI

- Ensure **net flow of knowledge**, capacity and resources into the African continent from the North and South
- **Increase participation** in international S&T platforms at regional, continental, and global levels with a view to influence S&T policy debates
- Through **S&T partnerships** - Ensure that **Africa contributes** to the global pool of scientific knowledge and technological innovations.
 - Increase R&D funding to 2% of GDP
- **Promote Africa** as preferred destination for S&T investment
 - Promote location of Global Research Infrastructure e.g. **SKA-Africa, HESS-Namibia, ICGEB-SA, IBM Research Lab in Kenya**

Strategic Partnership





Concluding remarks

- Increasing funding for R&D
 - 2% of GDP
- Promote North-South and South-South partnerships
 - Strengthen regional & continental cooperation
- Enhance multilateralism as international instrument for S&T cooperation
 - Tap into Diaspora
- Harness and apply STI for sustainable socio-economic development
 - Ensure that Africa contributes to the global pool of scientific knowledge and technological innovations
- Contribute to HCD in Africa
 - Facilitate access to research infrastructure
 - Exchange of knowledge and experience



Thank you

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