

*The Path to
Independence:
Capacity
Building
Lessons from
Buruli ulcer
research*

Lydia Mosi

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Cell Biology of Infected Pathogens*

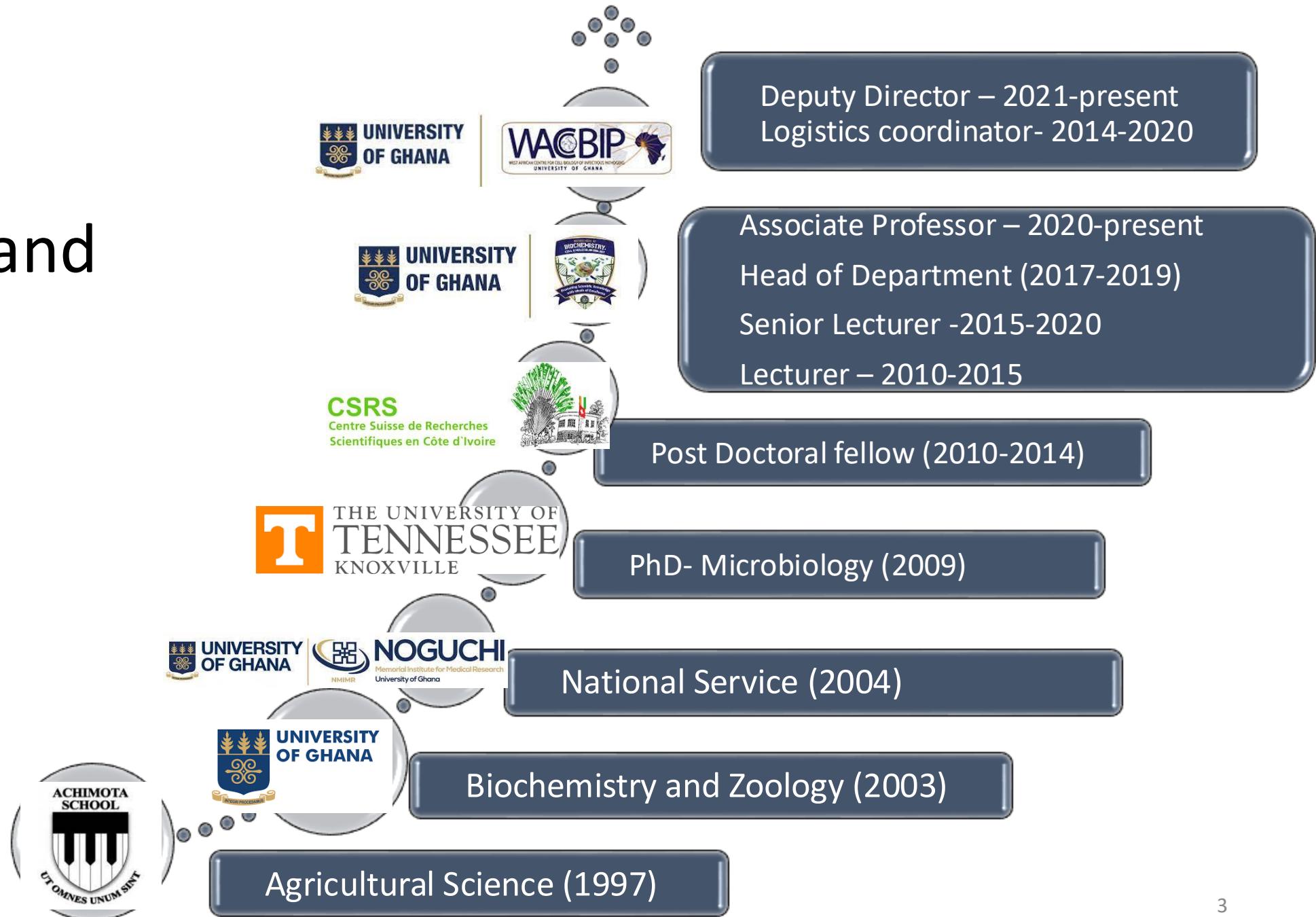
- *NBIC WIS 2025*



A journey
through
pictures and
outputs!

- ❑ *Foundations*
- ❑ *Research Scope*
- ❑ *Tenure tracking at University of
Ghana*
- ❑ *Defining your career as a woman
in science*

Education and Roles held



University of Tennessee 2004-2009

Laboratory Models of Infection and Transmission of *Mycobacterium ulcerans*; causative agent of Buruli ulcer disease

Pamela L. C. Small

**Graduate Teaching Assistantship
Association for women in science**

6 publications (1st Author)

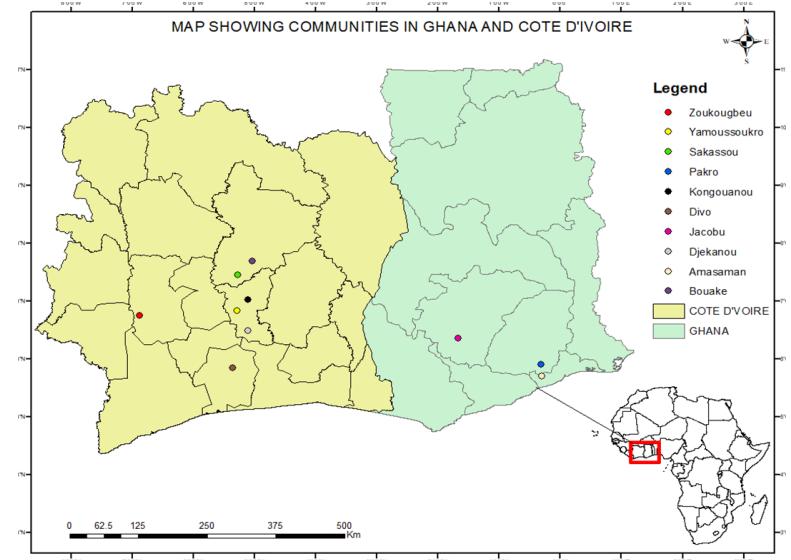
Great Memories!



Afrique One-Wellcome Trust post-doctoral fellowship – 2011-2014

Zoonotic transmission of nontuberculous mycobacteria between humans and small mammals

Prof. Bassirou Bonfoh



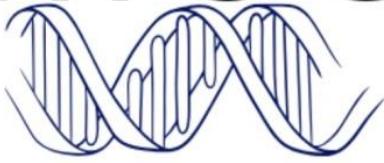
5 publications (Corresponding Author)





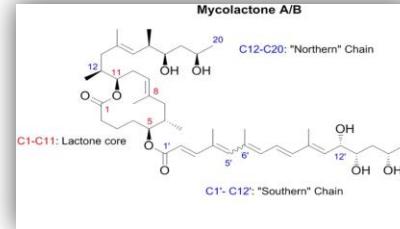
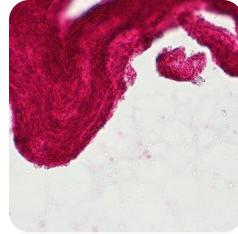
UG faculty – 2010- present

MOSI Research Group



Buruli Ulcer

- Transmission *Mycobacterium ulcerans*
- Sporulation in Pathogenesis:
- Natural Antioxidants to enhance wound healing.
- Genetic Diversity of mycolactone producing mycobacteria



Bioremediation: Reducing post-harvest losses and food waste by producing bioethanol, eco-enzyme detergent, and fertilizer.

Water Quality Analysis

Collaborative Projects: SARS-CoV-2 Host- Viral Dynamics.

Microbiome research.

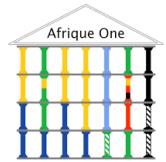




□ >30 publications



UK Research
and Innovation



THE ALBORADA RESEARCH FUND



The World Academy
of Sciences





Training workshop



Training workshop



Motor cycle donation for field work



Dr. Charles Quaye



Health workers at the workshop

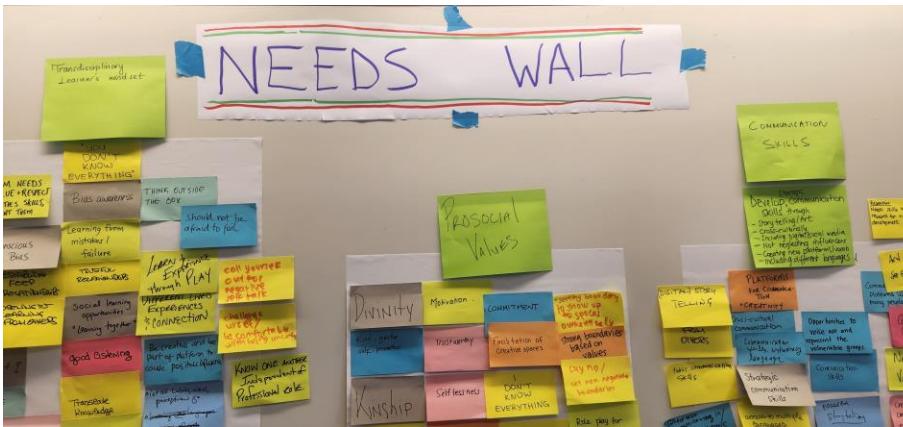


Demonstration of how to swab ulcer lesion

Think Outside the Box

A documentary that **tributes to the African women researchers who are making an indelible mark in the field of global health.**

This unique project immerses us in the lives and achievements of **these courageous women scientists, highlighting their crucial role in the fight against neglected tropical diseases and their inspiring commitment to a future where the Right to Health is guaranteed for all.**



Career and success



Noun - An occupation undertaken for a significant period of a person's life and with opportunities for progress.



Verb - move swiftly and in an uncontrolled way

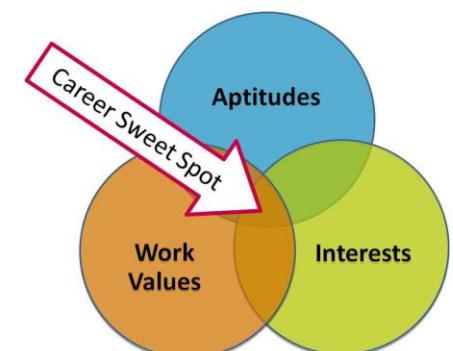
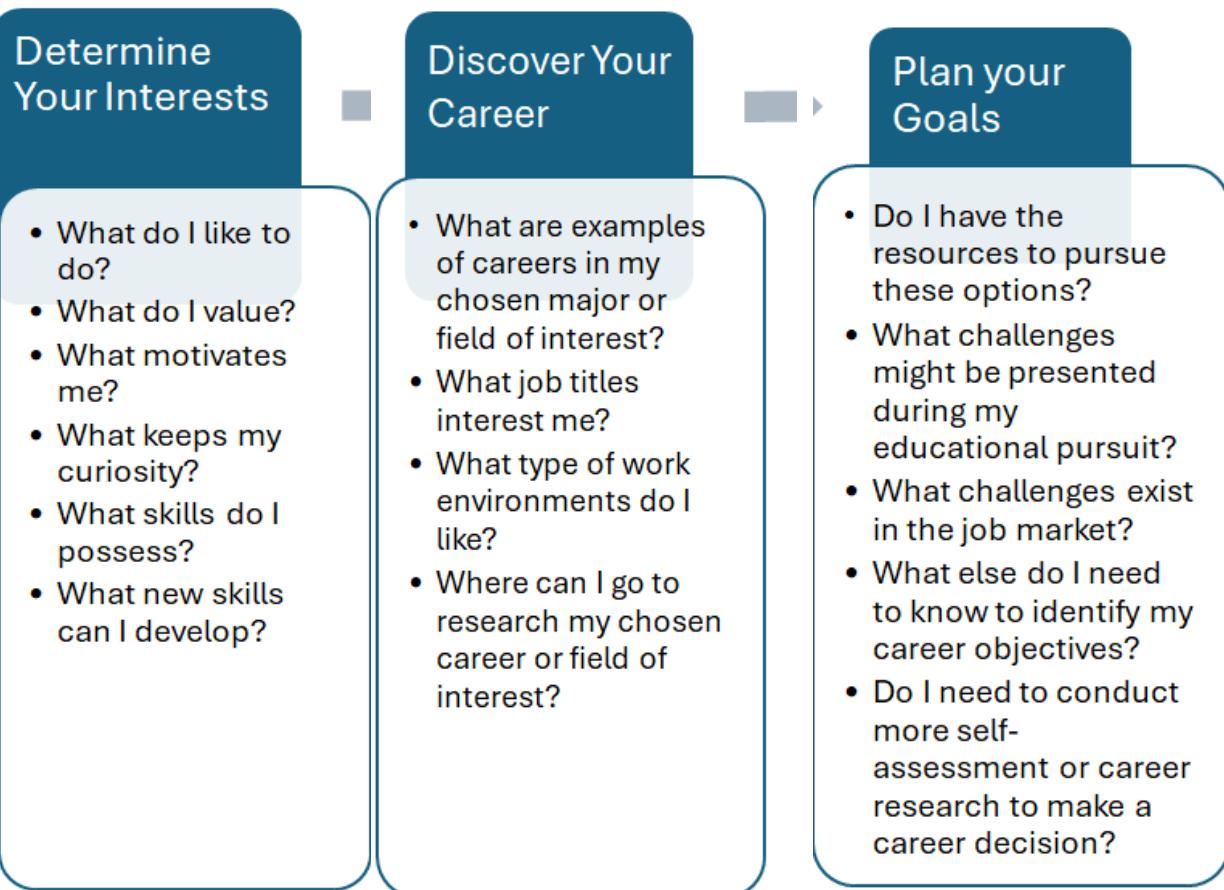


WORK X

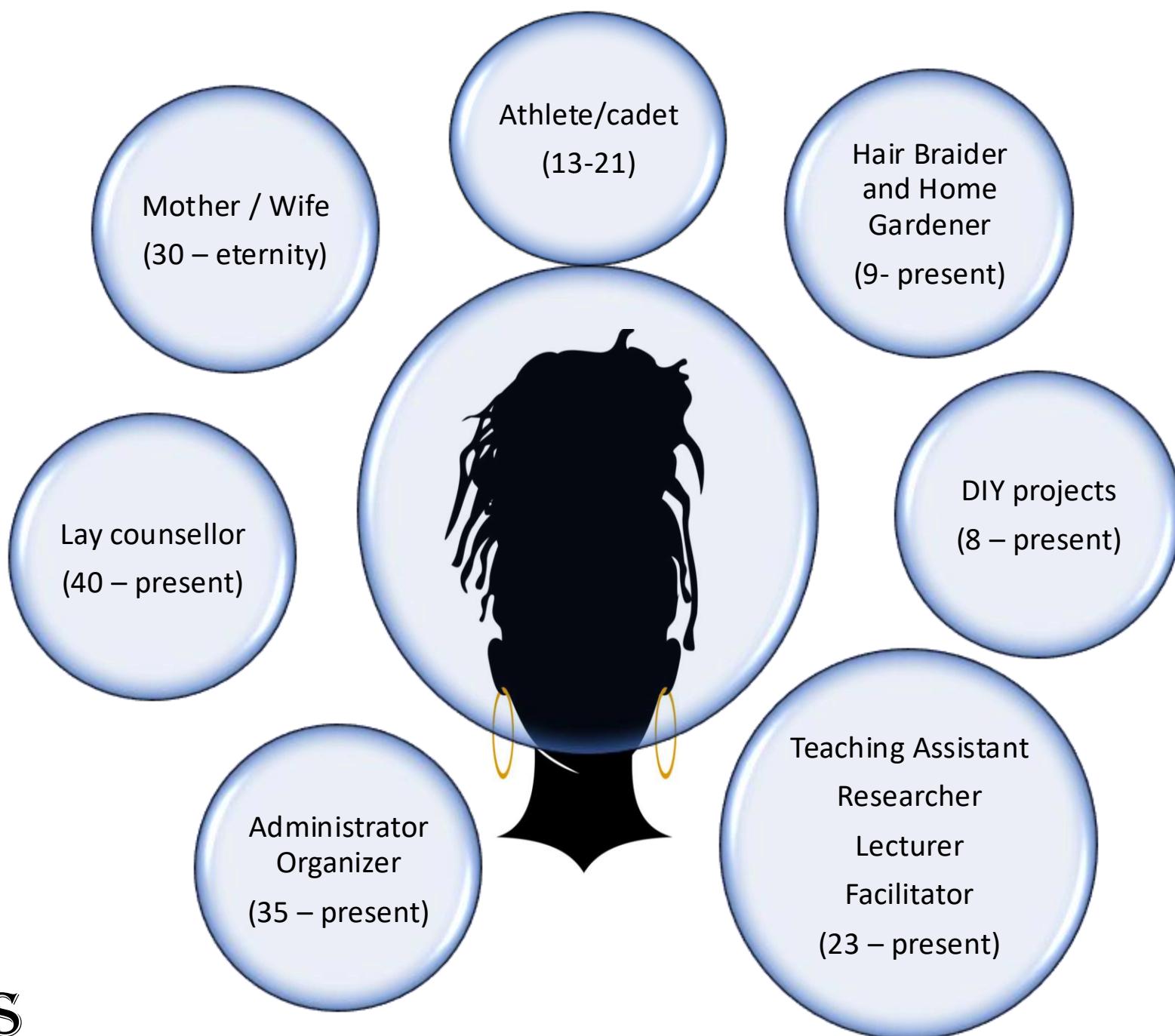


If you are doing what you love, then it's not really "work"

Success is not solely defined by your academic path!



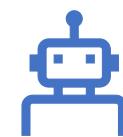
MY SUCCESS



My experience as a scientist



A life of continuous search for knowledge through research



A quest to solve problems that confront humanity ranging from diseases, pollution, etc.....



A devotion to a system of thinking



Careful attention to minute details at every stage of research



Role modeling



The stress of funding research anxiety about the success of an experiment, getting good students to work in your lab.

Thank you for your attention

