



The STAMINA Program: Implementation and Emerging Outcomes

Atiene S. SAGAY





Acknowledgements



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- Office of The Director, National Institutes of Health, National Institute of Nursing Research, National Institute of Neurological Disorders and Stroke, and **Fogarty International Center** for STAMINA Award Number D43TW010130.
- Vice Chancellor Unijos: Prof S. S. Maimako
- Leadership of all our collaborating institutions
- All our TAC Members (Chaired by Prof Benjamin Ugwu)
- Phyllis Kanki, Rob Murphy, Haruna Muktar MON our Co-PIs
- All STAMINA Key Personnel
- Unijos Office of Research Development
- All STAMINA Admin and Finance Staff
- All human subjects participating in research supported by STAMINA





STAMINA



(Support of Training and Mentoring in Nigeria for Academics)
D43TW010130

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Principal Investigator

University of Jos, Jos Nigeria
Ahmadu Bello University, Zaria Nigeria
Harvard University, Boston USA
Northwestern University, Chicago USA
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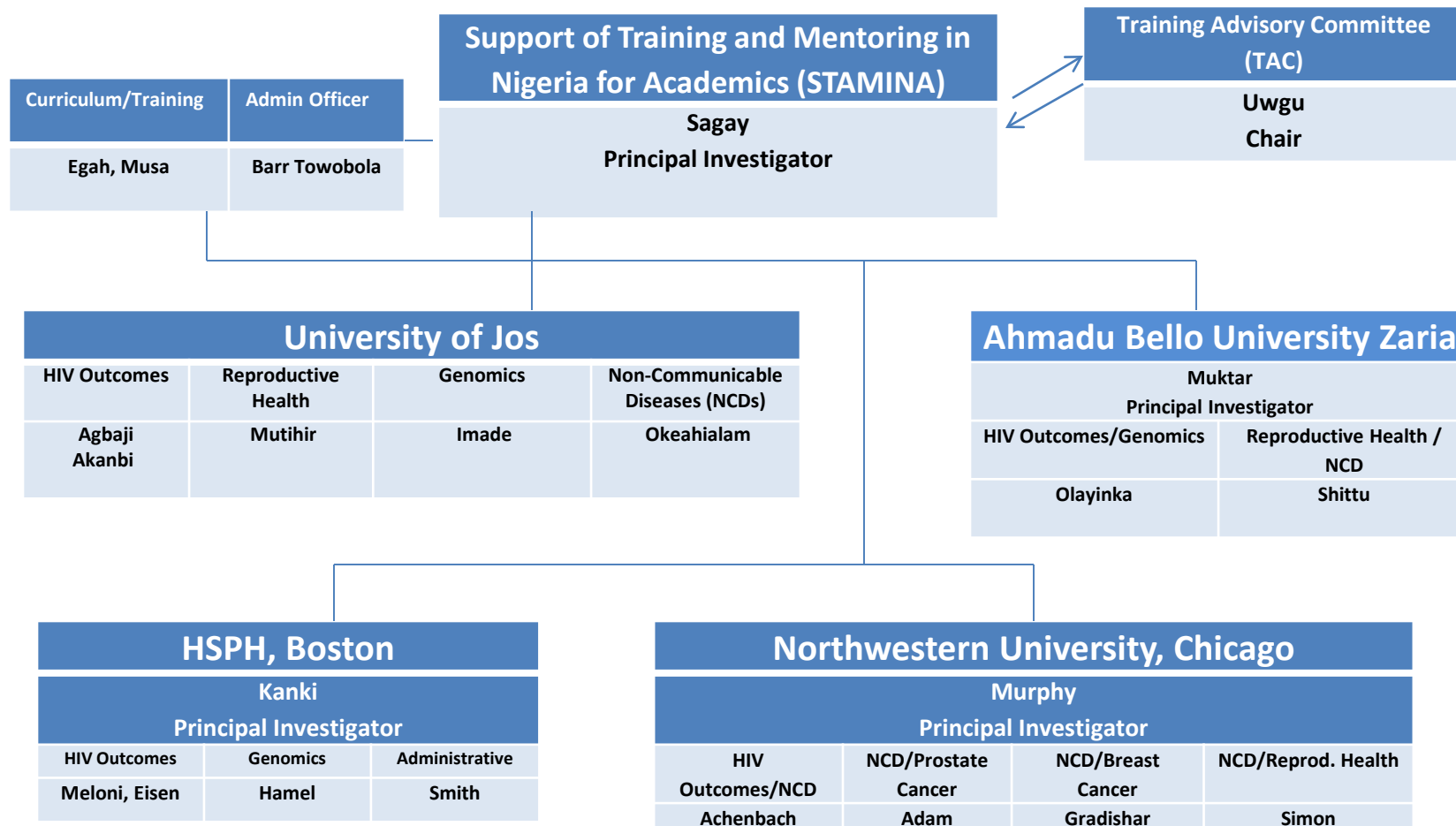
Network Meeting Objectives

- To Enhance Understanding of the STAMINA Program Strategy
- To share accomplishments in the first 3 years
- To highlight successes, challenges and way forward





ORGANOGRAM OF STAMINA PROGRAM





STAMINA Training Advisory Committee



Prof Benjamin Ugwu: Chair

- Prof Folasade Ogunsola MBChB PhD FMCPATH FWACP
- Prof Christian Happi MSc PhD
- Prof Isaac Adewole MBBS FMCOG FWACS FAS DSc (Hons)
- Prof Saudi Kapiga MD DSc
- Dr. Prosper Okonkwo MBBS FMCPH FWACPH
- Prof Richard Longnecker PhD
- Prof Till Bärnighausen MD MSc PhD





STAMINA Objectives



Support and energize research training and mentoring programs for junior faculty (JF) at the University of Jos and Ahmadu Bello University

1. To increase JF capacity to participate in and carry out locally relevant research
2. To contribute to improved human health outcomes
3. To foster the next generation of faculty researchers in Nigeria
4. To build trans-Atlantic research partnerships





Eligibility



**Junior faculty (Senior Lecturers and below) at:
University of Jos, Jos
Ahmadu Bello University, Zaria**

- **Junior Faculty from all health related professional units are eligible (i.e. Medicine, Nursing, Pharmacy, Medical Lab., Vet Medicine, Public Health, Psychology, etc)**





STAMINA CORE ACTIVITIES



- Research Trainings
- Mentored Research Support
- Master Degree Scholarship and Support





STAMINA Research Themes



1. HIV Treatment Outcomes and Co-Infections
2. Reproductive Health
3. Genomics & Bioinformatics
4. Non-communicable Diseases
 - Breast Cancer
 - Prostate Cancer
 - Cardiovascular Disease
 - Neurological Disorders and Stroke
 - Other NCDs of Significant Local Interest





Basic Biomedical Research Trainings



Titles of Trainings

Responsible Conduct of Research

Research Ethics (including on-line CITI certification)

Grant Proposal Writing

Public Health Research

Data Analysis and Manuscript Writing

Mentorship

Case-Based Teaching Method





Basic Biomedical Research Trainings STAMINA Program Yearly Targets and Achievements

Year	Target	Achievement
1	20	68
2	20	251
3	20	82
4	20	
5	20	
Total	100	401 (401%)





STAMINA Mentored Research Program

Yearly Targets and Achievements

Year	UNIJOS		ABU		Total	
	Target	Actual	Target	Actual	Target	Actual
1	5	7	1	1	6	8
2	5	15	1	2	6	17
3	5	7	1	3	6	10
4	5		1		6	
5	2*		1		3	
Total	22	29	5	6	27	35 (130%)

**Only projects that can be completed in 12 months shall be eligible for funding in year 5*





STAMINA Supported Master Degrees Scholarships Awarded (Cumulative)



Unijos and ABU, Zaria	Males	Females	Actual	Target
MSc Medical Microbiology/Path	2	3	5	
MSc Reproductive Science	1	1	2	
Master in Public Health (MPH)	11	5	16	
MSc Clinical Epidemiology	5	2	8	
MSc Field Epidemiology	1	0	1	
MSc Clinical Epidemiology	1	0	1	
MSc Genomic and Bioinformatics	1	0	1	
MSc Health Policy and Research	1	0	1	
MSc Pharmacology	1	0	1	
TOTAL	22	9	36 (133%)	27



RCR and Mentorship Training





Trainee Mentorship



- There are 2 mentors for each funded mentored research [**one from Nigeria and one from USA**] selected by respective program leads.
- This strategy may have the following advantages:
 1. Foster deeper collaboration between USA and Nigerian faculty
 2. Enhance the quality of the research and improve the likelihood of more impactful publications
 3. Improve local capacity for mentorship
 4. Provide opportunity for further collaborative grants applications.
 5. Increase the likelihood of completing the respective research projects on schedule





Emerging Outcomes





Outcomes 1: Research Trainings

ALL NEW UNIJOS FACULTY are now required to undergo a compulsory orientation which includes among others;

- Responsible Conduct of Research
- Grants Writing
- Research Ethics
- Mentorship and
- Case-based Teaching

[Currently provided by STAMINA]





Outcomes 2: New MSc Degree Programs

THREE (3) MSc degree programs were established in the ***Department of Community Medicine*** through STAMINA support

- Master in Public Health (MPH)**
- MSc Clinical Epidemiology**
- MSc Field Epidemiology**

MSc Reproductive Science: This program was updated and resuscitated by STAMINA in collaboration with the ***O&G Department and PG School.***





Enrolments in the New MSc Programs

MSc Programs	2016/17	2017/18	Cumulative
MSc Reproductive Science	3	18	21
Master of Public Health (MPH)	12	33	45
MSc Clinical Epidemiology	6	10	16
MSc Field Epidemiology	3	2	5
Total	24	63	87





Outcomes 3: Increased Research Sponsorships by University of Jos

- University of Jos Co-sponsoring with STAMINA
 - 2 proposals funded in 2018
- University working with STAMINA to select proposals from non-medical faculties for funding through the ORD.
 - 4 proposals being selected for funding by the ORD in 2018/2019





Outcomes 4: Grant Proposal Writing and Revision Competences



- Increasing numbers of proposals from faculty annually.

• 2016	29 Proposals Received	8 Funded
• 2017	35 Proposals Received	15 Funded
• 2018	60 Proposals Received	18 Funded

[Note: STAMINA also reviews proposals for sister grants]

- Growing competence in proposal revision by the STAMINA Team.





Outcomes 5: Trainees receiving other Research/Training Awards



- **Two of the Trainees** received the Fogarty Global Health Fellowship Awards (\$10,000 award to support proposed research for one year)
- **One Trainee** received an NIH Grant on Lassa Fever and Deafness, with the University of Texas Medical Branch (UTMB) at Galveston
- **One Mentee** obtained scholarship to attend the **2018 NCI Summer Curriculum in Principles and Practice of Cancer Prevention / Molecular Epidemiology**





Outcomes 6: Enhanced Research Capacity and Infrastructure

- Preventive Medicine Laboratory
- Genomics laboratory
- Immunohistochemistry laboratory
- Tissue/Sample repository
- Cancer Registry with survival tracking
- Some Dedicated research equipment:
 - Echo Machine for children and adults
 - Real-time PCR machine for genomic studies





CHALLENGES



1. **Background weakness in the overall capacity of Senior Faculty for research mentorship**
2. **Industrial actions in the government hospitals**
3. **Power challenges**





WAY FORWARD



- 1. Address Research and Mentorship training needs of both Junior and Senior Faculty**
- 2. Consolidate training of current mentees to expedite completion of research projects and publications**
- 3. Promote the generation of credible data sets in the various thematic areas**
- 4. Work with relevant departments to strengthen the new MSc programs and ensure timely completion.**





PROGRAM EVALUATION



- We are utilizing “CareerTrac”, an online database hosted by the NIH, to gather and report information on all individual trainees funded by the grant.
- For each trainee, the STAMINA Administrator logs:
 - **training status, in-country research projects, publications, awards, leadership positions, post-training competitive funding, presentations at scientific meetings, and any other metrics to document how the trainee’s STAMINA-funded training contributed to their overall research development**





UJ/VC/109

22-08-2017

Prof. Solomon Sagey

The Principal Investigator (PI) STAMINA

LETTER OF COMMENDATION

The Office Of Research And Development (ORD) Board at its inaugural meeting held on 1st August, 2017 received with satisfaction the report of your Support of Training and Mentoring in Nigeria for Academics (STAMINA) grant activities and exemplary performance especially in the area of increased research capacity building



Thank You

