

Inspiring™ UG



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MEDICINE PRICING IN A MARKET ECONOMY – IMPROVING ACCESS TO ESSENTIAL MEDICINES

Equitable access to affordable medicines remain key to achieving successful health outcomes. Successful implementation of medicine pricing policies are a key determinant of such equitable access and are formulated as part of the National Medicines Policy initiated by the Ministry of Health.

At the School of Pharmacy, **Dr. Augustina Koduah** and her colleagues, **Dr. Irene Kretchy** and **Dr. Anthony Danso-Appiah** (School of Public Health) are embarked on a project **Improving Equitable Access to Essential Medicines in Ghana through Bridging the Gaps in Implementing Medicines Pricing Policy (AMIPS)**, implemented in collaboration with **Prof. Irene Akua Agyepong** (Ghana Health Service), **Dr. Tolib Mirzoev** and **Prof. Tim Ensor** (University of Leeds, UK).

The scientists are collaborating with policymakers and other key stakeholders to investigate why presumed effective medicines price control policies are not being implemented as planned and consequently prices of medicines in Ghana are relatively high compared to international reference prices and other countries in the region. Dr. Koduah and colleagues are focused on understanding the implementation of four specific policies:

- i. Supply chain master plan
- ii. Framework contracting for high demand medicines
- iii. Value added tax (VAT) exemptions for essential medicines; and
- iv. Ring-fencing medicines for local manufacturing.

The study seeks to:

- a) Develop an in-depth understanding of major determinants of effectiveness of implementing medicine pricing policies in different contexts
- b) Understand key main facilitators and barriers to the implementation of medicine pricing policies in the Ghanaian context; and
- c) Facilitate development of a feasible action plan to improve implementation of four key policies and co-production of policy-relevant research agenda.

The study team adopted a multidisciplinary and mixed-method approach and is working closely with key stakeholders, including the National

Medicines Pricing Committee at the Ministry of Health. It includes a systematic review of available evidence on experiences of implementing medicines pricing policies in sub-Saharan Africa, which together with findings from analysis of policy documentation and in-depth interviews with key stakeholders, will inform series of stakeholder workshops. These workshops will serve three purposes:

- i. Communicate results of systematic review and empirical analyses,
- ii. Develop a shared understanding of determinants of effective policy implementation and
- iii. Facilitate production of an action plan and research agenda for pricing and access to medicines.

Key emerging findings from the policy analysis conducted so far, include the following:

- Four policies are largely driven by interest groups involved in the design and implementation of medicine pricing in Ghana.
- Key systemic problems which led to high medicine prices are: involvement of multiple organizations in the supply chain, delayed payments for contracts and fragmented procurement contracts.
- Policy approaches to managing medicine pricing include the National Competitive Tender processes and the National Health Insurance Scheme price restrictions.

The outcomes of the AIMPS project will be critical to the longer-term research agenda to inform improvements in equitable access to essential medicines in Ghana and beyond.

The research is being funded by the UK National Institute for Health Research (NIHR) and pre-sponsored by the Office of Research, Innovation and Development (ORID), University of Ghana. More information can be found at <https://bit.ly/34YVtXv> and bit.ly/AMIPS_UoL



Dr. Augustina Koduah

OPTIMIZATION AND DEPLOYMENT: NUTRIENT-RICH BIODEGRADABLE MATRIX FOR CROP PROTECTION

Yam (*Dioscorea spp.*) is an important staple food in the world with an estimated production rate of 72.58 million tons worldwide in 2018 out of which over 91% were produced in West Africa. Ghana is the second largest producer of yam in the world with over 7.8 million tons after Nigeria, with about 47.5 million tons. Yam production is however limited by parasitism of nematodes, majorly the yam nematode (*Scutellonema bradys*), *Pratylenchus spp.*, and *Meloidogyne spp* resulting in dry-rot disease, thus making the yam unmarketable and inedible.

A new research protocol being proposed to establish field trials in Ghana, aims to evaluate and validate the efficacy of the “**wrap and plant**” technology for plant-parasitic nematode management on yam. The project, initiated by the North Carolina State University under Dr. Charles Opperman (Project Director), is funded by The Grand Challenges Explorations Phase III proposed to the Bill & Melinda Gates Foundation titled “**Optimization and Deployment: Nutrient-Rich Biodegradable Matrix for Crop Protection**”. The scope of work involves the identification of farmer fields in three countries (Ghana, Togo, and Benin) for establishment of independent trials in the three major yam producing agroecological zones.

The research objectives include:

- Evaluating the nematode control potential of the “wrap and plant” technology on yam yields, and storability of the tubers
- Assessing the organoleptic and sensorial quality of tubers produced under the technology, and
- Investigating yam stakeholders' perception of the technology.

The field trials in Ghana, led by **Dr. Soloame Tatu Nyaku** of the Department of Crop Science is in collaboration with **Dr. Daniel Adu Ankrah** (Department of Agricultural Extension) **Dr. Freda Asem** (Department of Agricultural Economics and Agri-Business) **Dr. Maame Yaakwah Blay Adjei** (Department of Food and Nutrition) and **Mr. Elvis Appiah** (Department of Crop Science).

These were initiated in 2019, and conducted in

two selected farmer fields in the Zabzugu District (Guinea Savannah Zone), Nkoranza District (Transitional Zone), and Krachi-Nchumuru District (Semi-deciduous forest), in both major (dry) and minor (rainy) seasons.

The experiments were laid in a randomized complete block design (RCBD), replicated four times and treatments included:

- Untreated banana paper
- Treated banana paper matrix with abamectin
- Farmer's practice

Individual plots had 36 mounds (6 rows and 6 columns), and total number of plots per field was 12.

Results obtained from the nematode density assessment trial, during harvesting and after storage, organoleptic and sensorial qualitative analysis, and socio-economic studies are expected to be shared with the farmers to enhance yam production, and reduce post-harvest losses using the wrap and plant technology.



Mr. Matipa, farmer showing infested and rotten yams to Dr. Soloame Nyaku (right) and Mr. Appiah (middle)



Uprooted yam from yam mound showing symptoms of dry-rot disease from nematode infection



Soil sampling at Chindiri by MPhil student (Noella Deribaa, left) and Research Technician (Hannah Vigbedor, right)



Placing of yam setts on banana paper on yam mound by MPhil student (Francis Atteosi) at Grubi



Banana paper (red arrow) being placed on yam mound



Mr. Bassit Zakari, District Director of Agric. Zabzugu (Left), demonstration wrapping of seed yam with banana paper to farmer



Planting of wrapped seed yam at site 3 (Grubi) by Peter Dibri (farmer/land owner)



Covering of yam with soil after planting at site 1 (Chindiri) by a female Farm Worker



Mulching of yam mound after planting by farmer at site 3-Zabzugu (dry-season)



UG Project team: L - R. Dr. Daniel Adu Ankrah, Dr. Freda Asem, Dr. Soloame Tatu Nyaku, Dr. Maame-Yaakwah-Blay and Mr. Elvis Appiah



TRENDS IN FUNGAL BIOTECHNOLOGY; THE FARCE AND FACTS OF MUSHROOM CULTIVATION IN GHANA



Dr. Michael Wiafe-Kwagyan

Mushrooms are macro-fungi with distinctive fruiting body/sporocarp (a spore-bearing reproductive body) which can be either epigeous (below soil) or hypogeous (above soil), are visible to the naked eye and are either edible (e.g., *Agaricus bisporus*, *A. blazei*, *Pleurotus citrinopileatus*, etc) or inedible (e.g *Amanita muscaria*, *A. phalloides*, *Conocybe filaris* etc.) also referred to as toadstools.

It is important to distinguish between edible mushrooms and toadstools, which are harmful to health. Acridity or bitterness is an indication of inedibility although not in all cases. It must be noted that the most poisonous mushrooms neither burn nor are bitter, nor smell or sting the tongue when consumed.

The only safeguard and authentic approach to adopt against mushroom poisoning is the ability to distinguish between species of mushrooms using their botanical character, or to cultivate mushrooms which have been authenticated to be edible by mycologists or mushroom biologists.

There are several edible and medicinal mushrooms that can be cultivated artificially on lignocellulose materials (plant materials e.g., rice straw, husk, bran, sawdust etc.). This has elicited the interest of **Dr. Michael Wiafe-Kwagyan** of the Department of Plant and Environmental Biology who is at the forefront of research to ascertain how these edible mushrooms can be cultivated to avoid poisoning.

Nonetheless, edible mushrooms are known to have medicinal and nutritional properties capable of improving health and well-being. Mushrooms contain minerals such as calcium, iron, potassium, magnesium, sodium, zinc, selenium etc., carbohydrate, protein, vitamins (A, B1, B2, B12, C, D, E and K), with pleasant aroma and texture for culinary exploits. In terms of taste and flavour, well prepared mushrooms have a great advantage over other vegetables, giving the

illusion of meat, making it suitable for vegetarians. Mushrooms are suitable for reducing obesity and managing diabetes, and high blood pressure (cardiovascular patients).

Mushrooms are a healthy alternative due to the absence of starch, low level of calories and carbohydrates. They are high in potassium to Sodium ratio. Oyster mushrooms for example contain ergothioneine, a unique antioxidant that protect cells in the body, with its extracts known to stimulate the immune function. However, some species of mushroom cannot be cultivated, (example *Termitomyces*) because the fungus only grow in unison with the termitarium and are dependent on the organic matter brought forth by the termites from their feeding on tree combs.

The first step in mushroom cultivation involves the selection of a species and a suitable substrate (i.e., woodland, grassland, dung inhabiting or compost/litter/disturbed). The type of species and substrate determines the cultivation technique to be adopted. Among the cultivated mushrooms, *Lentinus* (= *Lentinula*) is now the world's leading cultivated edible mushroom with about 22% of the world's supply while *Pleurotus*, *Auricularia*, *Agaricus*, and *Flammulina* species account for 85% of the world's total supply of cultivated edible mushrooms.

In Ghana, the most cultivated species is the oyster mushroom (*Pleurotus ostreatus*) although other species such as *Pleurotus djamor*, *P. citrinopileatus*, *P. pulmonarius* and *Lentinus squarrosulus* have been cultivated on *Triplochiton scleroxylon* ('wawa') sawdust to ascertain its viability for commercial production in the Ghanaian market. Preliminary data have demonstrated the viability of these mushrooms under Ghanaian climatic conditions which can be attributed to their adaptability to varying temperatures.

Mycologists have developed three basic cultivation methods which provide a safety net for mushroom consumption; the use of sawdust, grasses/straws, and logs, to produce edible and medicinal mushrooms. However, the three main factors of mushroom cultivation include the spawn/mushroom "seed", substrate and the environment.

TRENDS IN FUNGAL BIOTECHNOLOGY; THE FARCE AND FACTS OF MUSHROOM CULTIVATION IN GHANA **continued...**



Methods of Mushroom Cultivation

Cultivation on sawdust

The most common method of mushroom cultivation in Ghana, America, and China, is with the use wood chippings (sawdust) from *Triplochiton scleroxylon* ('wawa' wood) and in other countries (i.e., Brazil, Costa Rica, Mexico etc.) *Eucalyptus*, Pines, *Mangifera indica* (mango tree) and others. The sawdust is mixed with 1% calcium carbonate, 10% wheat/rice bran and water to obtain a 70% moisture content using the squeeze technique. The mixture is allowed to undergo fermentation for at least 28 days.

Cultivation on grasses as the main substrate ('Juncao' technique)

This method was invented by Dr. Lin Zhanxi and Dr. Lin Zhanxua (University of Fuzhou, China) in 1983 after 13 years of research. Due to its comparatively shorter reproductive cycle, the method is more economical. The principal substrate component i.e grass e.g., straw of rice, maize, wheat, sorghum, *Andropogon* sp. (*Andropogon*), *Brachiaria brisantha* (palisade grass), *Pennisetum purpureum* (elephant grass), *Saccharum officinarum* (Sugar cane), etc. is added to other inputs such as: rice bran, soybean, wheat, and other organic waste for crop growth fruiting bodies.

Cultivation on logs

Cultivation of mushrooms on decaying logs is popular in Japan. The type of wood use includes *Pinus* spp. or *Eucalyptus* (*Eucalyptus urophylla*, *E. saligna* and *E. grandis*, *Tectona grandis* (teak), *Acacia arabica*, and *Terminalia catappa* (tropical almond). The log is usually cut to have a trunk of 1-1.2m long with 9-18cm diameter. Holes are drilled on the logs, inoculated with spawn plugs, sealed with wax, and are incubated in a cool moist place. One disadvantage about this method is that it takes about 16 months for production to take place.

Mushroom cultivation offers the following benefits:

- It has a favourable impact on the environment (reducing environmental pollution by bioconversion of vast quantities of organic wastes into mushrooms; recycling spent mushrooms to biofertilizer (soil amendments); restoration of damaged environment by mushroom mycelia).
- It also has economic and social benefits

(creating employment, high vitamin, protein, and mineral content).

- The substrates required for mushroom cultivation are relatively cheap and readily available hence, minimum capital required to start this lucrative enterprise.
- Mushrooms as nutraceutical agents contain properties which can be used by the pharmaceutical industry. Mushrooms are therefore important due to its nutritious and medicinal properties as well as creating employment/wealth for entrepreneurs who venture into mushroom farming/production.

Figure 1: Examples of edible and medicinal mushrooms



Figure 2: Examples of medicinal but inedible mushrooms



FOREST AND HORTICULTURAL CROP RESEARCH CENTRE; APPLIED SCIENCE AND AGRICULTURE



Prof. Samuel Adjei-Nsiah

The Forest and Horticultural Crop Research Centre (FOHCREC) is one of three research centres at the College of Basic and Applied Sciences, pioneering research in food production. The Centre spearheads research and training in horticulture to develop sustainable agricultural production systems suitable for the humid tropical environment.

The Centre trains faculty, students, farmers and other stakeholders in crop and livestock production, and extension services to ensure the safety and security of the agriculture value chain. A wide collection of tropical fruit and crop plantations are cultivated and serve as teaching/research demonstration laboratories during practical training sessions.

Scientists at the Centre are focussed on developing plant species that can withstand adverse weather conditions and diseases which invade some crops, namely: ***citrus, oil palm, aromatic and medicinal plants, mango, plantain, rubber, root, and tuber, avocado, rice, cocoa, maize, cola, vegetables, rambutan and blackpepper.***

The Centre's Research goals are aimed at;

- Improving the production of forest and horticultural crops
- Producing quality grade planting materials for farmers
- Developing strategies to combat disease and eliminate insect pests of crops.
- Developing sustainable soil fertility management options to improve crop yield
- Developing biopesticides for the management of pests and pathogens affecting fruits and vegetables.
- Integrating livestock in plantation crop management in the forest zone of Ghana

FOHCREC offers its expertise in the field of agricultural extension activities by organising public fora in the form of open days and through participation in agricultural events. Model farms have been established for training while research collaboration with NGOs, and some development partners, have benefited local farmer associations and other stakeholders.

Specialized units at the Centre conduct research on the following thematic areas;

- Crop Production and Environmental Management
- Crop Improvement and Conservation
- Crop Protection
- Agribusiness and Systems Innovation
- Envirodome Greenhouse Vegetable Production

The Production and Environmental Management Unit

This unit is involved in the production of planting material for forest and horticultural crops grown in Ghana (i.e., citrus, rubber, oil palm, avocado, mango, plantain, black pepper, and cocoa). Scientist are exploring integrated soil fertility management to develop appropriate soil fertility management alternatives for various crops and agricultural water management.

As part of this enquiry, the interaction between water and the physiology of plants and crops produced under rainfed/ irrigated conditions and the development of soilless media for improving planting materials of crops such as cocoa, oil palm and plantain is under investigation. Some of the on-going research activities of the unit include a DANIDA funded project on soil and water management focusing on improving soil quality and crop production with biochar and small-scale irrigation.

The unit has also developed an innovative solar powered low-cost automatic drip irrigation system using locally fabricated siphon for smallholder farmers in sub-Saharan Africa.

As a commercial venture, FOHCREC produces a high-grade palm oil is free from artificial additives.



FOREST AND HORTICULTURAL CROP RESEARCH CENTRE APPLIED SCIENCE AND AGRICULTURE contd.

The Crop Improvement and Conservation Unit

The unit develops, evaluates, and screens crop varieties (e.g. citrus and cola) suitable for the Ghanaian environment. The unit is also charged with the conservation of germplasms for most of the indigenous and exotic tree crops grown in Ghana (i.e., citrus, cola, avocado, rambutan, mango, plantain, and rubber)

The Crop Protection Unit

Crop Protection entails exploratory research to develop novel methods of combating disease and insect pests affecting horticultural and food crops i.e., citrus black spot (*Guignardia citricarpa*), *Pseudocercospora* fruit, leaf spot of citrus (*Pseudocercospora angolensis*), insect pests (fruit flies) and others. Currently, the Unit is conducting research on the use of botanicals to control insect pests of vegetables, investigations into the incidence of citrus graft-transmissible pathogens, the occurrence of banana bunchy top virus in banana and plantain, and the management of *Ralstonia* wilt of tomato in greenhouses.

The Agri-Business and System Innovation Unit

This Unit is involved in agribusiness management and micro/medium agricultural enterprise management research. They also serve as an interphase between the centre and stakeholders, providing information and gaining feedback on research, crop production and the socio-economic impacts of the technologies developed by the centre.

The Envirodome Greenhouse Unit

The Envirodome greenhouse project provides practical training in the construction of envirodomes and the production of vegetables using greenhouses for the domestic and international market. The project presents unique opportunities to investigate and address challenges associated with greenhouse vegetable production.

The Head of Centre, **Professor Samuel Adjei-Nsiah** is supported by academics with varying expertise engaged in advanced research, aimed at improving production across the agricultural value chain.

The Centre continues to attract funding for its research activities through grants, and innovative commercial activities to enhance research and training.



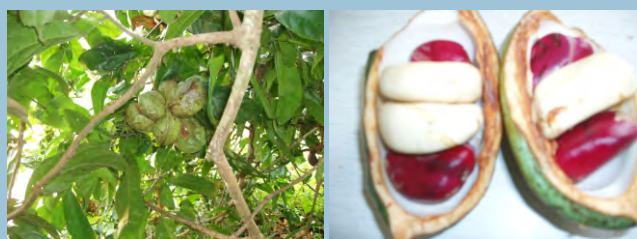
Envirodome Experiment



Oil Palm



Cocoa Production



Cola



Rubber Production

NEW RICE VARIETY TO BOOST LOCAL RICE PRODUCTION



Dr. Joseph Ofori

Rice (*Oryza sativa*) remains a very important staple food in Ghana, replacing major staples like maize as the main food source for many households. The gap between demand and supply of rice in Ghana with a population of about 30 million has been widening. A shift in diet preferences from traditional coarse grain, correlates with trends of urbanization and population growth.

The local rice industry is characterized by low production with average yield of 2.4 MT/ha resulting in a heavy dependence on rice imports. The main thrust of successive policies on rice production over the years is to increase total production by exploitation of the vast lands of the inland valleys and swamps, increased mechanization and varietal improvement and increase seed production and utilization.

Rice consumption in Ghana has increased significantly over the last few decades resulting in the importation of approximately 680,000 metric tons of rice at the end of 2016 to meet the rapidly growing demand (MOFA, 2017). It is believed that rice import deluge could be reversed if there is rapid expansion of production area in both irrigated and rainfed lowland/hydromorphic ecologies where improved rice variety is intensively cultivated.

Over the past two decades, the Soil and Irrigation Research Centre (SIREC) has been at the fore - front in rice varietal evaluation/development and release into the market in Ghana. As a result of extensive research by **Dr. Joseph Ofori** and other scientists, SIREC has developed and tested an elite variety of rice with high producer/consumer preference comparable to rice varieties on the global market. This was achieved through on-station and multilocational varietal evaluation processes. . This variety, called **Ex Baika**, has a yield potential of 10 tons per hectare with milling yield of 72.8 %. The plant is relatively short in stature and therefore less prone to lodging, which endears it for irrigated ecology and high input production systems. Additionally, the variety is resistant to biotic stresses (common pests and diseases of rice) and drought tolerant. Its aromatic and long slender grain, with an amylose content of 18.3% makes it fluffy rather than sticky.

Ex Baika's white, translucent, sparkling (when milled), aromatic and fluffy nature puts it in the high producer/consumer preference category and gives it a competitive edge over many local varieties.

The Centre, as a result of the Ex Baika rice variety has been accredited by the Ghana Seed Inspection Division of the Ministry of Food and Agriculture as a Breeder, Foundation and Certified Seed Producer.



Fig. 1. Rice variety *Ex Baika* growing under irrigated ecology



Fig. 2. Rice variety *Ex Baika* growing under rainfed condition



Fig. 3. Rice Variety *Ex Baika* at grain filling stage



INTEGRATING RESEARCH AND BUSINESS DEVELOPMENT

As part of research support services at the Office of Research, Innovation and Development (ORID), the Technology, Transfer and Intellectual Property Teams (TTIP) has embarked on several initiatives to make science and research central to business strategy.

With technology dominating several spheres of public endeavor, transforming education, driving business growth and impacting individual transactions daily, TTIPs is positioned to facilitate a convergence with science and research. Their mandate includes the protection of intellectual property rights.

The research that contributes to the patronage of technology and other consumer products is less visible to end users of technology. Corporate entities increasingly rely on market survey data and information from research to support development strategies to stay ahead of competition.

Sustaining and growing dominance within a dynamic and competitive industry requires constant market-sensitive innovation, driven by data and information obtained through empirical research.

The University of Ghana working through a multidisciplinary team from the University of Ghana Business School, the Computer Science Department and the Centre for Social Policy Studies is currently engaged with major players in the communication and extractive industry to enhance their market share through a research-based approach.

In the telecommunications sector, MTN currently leads in the provision of services such as voice, data, the development of mobile payment systems and many others have generated socio-economic development and re-shaped financial and social inclusion among the citizens.

The MTN/UG collaboration seeks to underscore;

- How smartphone and mobile money payment systems developed and deployed by MTN is adopted by clients and users of such products.
- How Generation Z and Millennials can be integrated and targeted as future employees and consumers of MTN.
- Re-orient existing MTN employees to prepare for a future that has the youth as the basis of talent and consumption.
- To develop a core innovation team within the Sales and Distribution Division to use feedback generated from market intelligence into products and services that offer MTN an additional advantage.

The ongoing collaboration between MTN and the University provides a strong and mutually beneficial alliance between science and industry.





FUNDING NEWS

1ST JUNE TO 31ST DECEMBER 2020

FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
Alera International Limited	Dr. Linda Amoah	Department of Immunology	Material Transfer and Testing Agreement	USD 296,187.50
Alera International Limited	Dr. Linda Amoah	Department of Immunology	Material Transfer and Testing Agreement	USD 17,938.00
Arts and Humanities Research Council of UKRI, UK	Prof. Joseph Teye	Centre for Migration Studies	Culture for Sustainable and Inclusive Peace	GBP 96,983.23
AXA Research Fund	Prof. Amidu Mohammed	Department of Accounting	Vulnerable Populations and Pandemics: Challenges, Opportunities and Innovations	EUR 250,000.00
Bill & Melinda Gates Foundation	Dr. Edward Asiedu	Department of Finance	Leveraging National Identification and Digital Payment Systems to Nudge Informal Pension Contributions in Ghana	USD 74,934.00
Bill & Melinda Gates Foundation	Dr. Seth Adu-Afarwuah	Department of Nutrition and Food Science	Development and Evaluation of Lipid-Based Nutrient Supplements (LNS) for Prevention of Malnutrition: An Innovative Food-Based Approach	USD 59,706.00
Bill & Melinda Gates Foundation	Dr. Naa Dodua Dodoo	Regional Institute of Population Studies (RIPS)	Re-examining Traditional Method Use: Desperation or Innovation?	USD 391,106.38
Cambridge-Africa ALBORADA Research Fund	Dr. Osbourne Quaye	Department of Biochemistry, Cell and Molecular Biology	Propagation of Rotavirus Fields Strains in Cell Culture	GBP 12,756.91
Cambridge-Africa ALBORADA Research Fund	Dr. Peter Quashie	West Africa Centre for Cell Biology of Infectious Pathogens (WACCBIP)	Development of Serological Assays to Study Antibody Responses in Ghanaian COVID-19 Patients	GBP 20,00.00



FUNDING NEWS Continued



FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
Carnegie Corporation of New York	Prof. Dodzi Tsikata	Institute of African Studies (IAS)	Transregional Research on the Changing Nature of Precarious Work in Africa and the Arab Region	USD 500,000.00
Chemonics International Inc.	Dr. Samuel Dery Dr. Roger Atinga	Department of Biostatistics Department of Public Administration and Health Services Management	Consultation with Civil Society Organizations, Development Partners and other Government Entities on Supply Chain Master Plan (SCMP) 2021-25	GHS 189,197.58
Chemonics International Inc.	Dr. Samuel Dery Dr. Roger Atinga	Department of Biostatistics Department of Public Administration and Health Services Management	Baseline Data for Analysing Financial Sustainability of the Health Sector Supply Chain in Ghana	GHS 188,329.40
Community Foundations of Canada (CFC) through McGill University	Prof. Richmond Aryeetey	Department of Population, Family and Reproductive Health	A Network of Interdisciplinary, Solution-oriented Researchers to Improve the Livelihoods and Food and Nutrition Security of Adolescent Girls and Women Farmers in Rural Ghana	CAD 313,600.00
Council for Technical and Vocational Education Training (COTVET)	Dr. Isaac Owusu-Mensah	Department of Political Science	Consultancy Services for Skills Gap Analysis in Three Sectors: Health Care, Transport and Clothing Apparel	GHS 194,700.00
DANIDA Fellowship Centre (DFC) through Aarhus University	Prof. Justice Nonvignon Prof. Charles Ackah	Department of Health Policy, Planning and Management Institute of Statistical, Social and Economic Research (ISSER)	Developing Ghana's Care Economy: Case and Potential	DKK 5,007,497.00
Defense Advanced Research Projects Agency (DARPA)	Dr. Osbourne Quaye	Department of Biochemistry, Cell and Molecular Biology	Preventing Emergence and Spillover of Bat Viruses in High-risk Global Hotspots	USD 16,541.00



FUNDING NEWS Continued

FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
Defense Advanced Research Projects Agency (DARPA)	Dr. Richard Suu-Ire	School of Veterinary Medicine	Preventing Emergence and Spillover of Bat Viruses in High-risk Global Hotspots	USD 27,803.00
Deutsche Gesellschaft für Internationale Zusammenarbeiten (GIZ) GmbH through the University of Oxford	Prof. Richard Boateng	Department of Operations and Management Information Systems	The Fairwork Project in Ghana	GBP 120,708.00
EDCTP through The Chancellor, Masters and Scholars of the University of Cambridge	Dr. Joseph Bonney	Department of Virology	COVID-19 Diagnostics for Africa (AfriDX)	GBP 37,335.00
Engineering and Physical Sciences Research Council (EPSRC)	Dr. Adelina Mensah	Institute for Environment and Sanitation Studies (IESS)	Partnerships for Resilience through Innovation and Integrated Management of Emergencies and Disasters (PRIMED)	GBP 68,700.30
Engineering and Physical Sciences Research Council (EPSRC)	Prof. Gordon Awandare	West Africa Centre for Cell Biology of Infectious Pathogens (WACCBIP)	Digital Diagnostics for Africa Network	GBP 50,875.00
European and Developing Countries Clinical Trials Partnership (EDCTP)	Dr. Patricia Akweongo	Department of Health Policy, Planning and Management	Building and Enhancing Regulatory Capacity in Africa (BERC Africa)	EUR 9,447.74
European and Developing Countries Clinical Trials Partnership (EDCTP) through the London School of Hygiene and Tropical Medicine (LSHTM)	Dr. Kwadwo Asamoah Kusi	Department of Immunology	Clinical and Immunological Consequences of Chronic HBV and Plasmodium Falciparum Co-infections (HEPMAL)	GBP 499,910.00





FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
European and Developing Countries Clinical Trials Partnership (EDCTP) through the London School of Hygiene and Tropical Medicine (LSHTM)	Prof. William Ampofo	Department of Virology	Mobilisation of Funding for COVID-19 Research in Sub-Saharan Africa- COVID Surveillance Intensification in Ghana (CSIGN)	EUR 299,135.00
European Commission – DESIRA Programme	Prof. Daniel Sarpong Prof. Felix Ankomah Asante	Department of Agricultural Economics and Agribusiness Institute of Statistical, Social and Economic Research (ISSER)	Cocoa4Future: Sustainability of Production Systems and New Dynamics in the Cocoa Sector	EUR 327,961.00
European Commission Multi-beneficiary General Model Grant Agreement	Prof. Joseph Teye	Centre for Migration Studies	Crises as Opportunities: Towards a Level Telling Field on Migration and a New Narrative of Successful Integration	EUR 161,875.00
European Commission through the Centre for International Forestry Research	Prof. Samuel Adjei-Nsiah	Forest and Horticultural Crop Research Centre (FOHCREC)	Governing Multifunctional Landscapes in Sub-Saharan Africa: Managing Trade-offs between Social and Ecological Impacts	EUR 87,944.00
European Commission-Horizon 2020	Prof. Albert Ahenkan	Department of Public Administration and Health Services Management	Globalised Governance Norms and Local Management and Business Practices in Africa and on the Arab Peninsula (MANAGLOBAL)	EUR 8,687.50
European Union (under the EU's Horizon 2020 Research and Innovation Programme)	Dr. Mumuni Abu	Regional Institute of Population Studies (RIPS)	Linking Climate Change, Habitability and Social Tipping Points: Scenarios for Climate Migration - HABITABLE	EUR 200,000.00



FUNDING NEWS Continued

FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
Ford Foundation	Prof. Dzodzi Tsikata	Institute of African Studies (IAS)	Growing Feminist Knowledge Constituencies for the Africa We Want: A Capacity Building and Publication Project	USD 450,000.00
French Development Agency (AFD)	Prof. Gordon Awandare	West Africa Centre for Cell Biology of Infectious Pathogens (WACCBIP)	West African Network of Infectious Diseases ACEs (WANIDA)	Accessible Based on Request
GCRF - The Royal Society Collaboration Award through University of Edinburgh	Prof. Gordon Awandare	West Africa Centre for Cell Biology of Infectious Pathogens (WACCBIP)	Do Epigenetic Processes Promote Drug Resistance in the Malaria Parasite, Plasmodium Falciparum?	GBP 154,353.00
German and Aerospace Centre (DLR Project) through University of Siegen.	Dr. Edua Esaaba Mantey	Department of Social Work	Life Course Transitions and Trajectories of Persons with Disabilities in West African Societies/LICOT-WASO	EUR 238,000.00
Global Affairs Canada through International Food Policy Research Institute (IFPRI)	Prof. Richmond Aryeetey	Department of Population, Family and Reproductive Health	Understanding Adolescent Nutrition in Urban Areas of Ghana (Amendment)	USD 2,395.00
Global Challenges Research Fund through Scottish Funding Council (SCF)	Dr. Irene Ayi	Department of Parasitology	Building Capacity and Collaboration on Cryptosporidium	GBP 17,500.00
Global Challenges Research Fund-Knowledge Transfer Network	Dr. Agyemang Danquah	West Africa Centre for Crop Improvement (WACCI)	Assessing Tomato Germplasm for Climate-Resilient, Broad-spectrum Parasite Resistance	GBP 40,000.00

FUNDING NEWS Continued



FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
HE CENTRE DE COOPÉRATION INTERNATIONALE EN RECHERCHE AGRONOMIQUE POUR LE DÉVELOPPEMENT (French Agricultural Research Centre for International Development-CIRAD)	Prof. Felix Ankomah Asante	Office of Research, Innovation and Development (ORID)	Research Studies on the Rice Value Chain in Ghana	EUR 10,000.00
Health Information Systems Programme (HISP), Department of Informatics, University of Oslo	Dr. Ernest Kenu	Department of Epidemiology and Disease Control	Emergency Response to the Covid-19 Pandemic – Supporting Global and National Surveillance	NOK 300,000.00
International Centre for Insect Physiology and Ecology	Mr. Samuel Owusu-Ansah	Balme Library	International Centre for Insect Physiology and Ecology Project for Subscription to E-book and MYLoft, a Remote Access Solution.	USD 27,100.00
International Development Research Centre (IDRC)	Dr. Dilys MacCarthy	Soil and Irrigation Research Centre (SIREC)	AgMIP Adaptation Teams Start-Up: A CLARE Transition Activity	USD 110,985.00
Leverhulme Trust and The Royal Society	Mr. Nicholas Amoako	West Africa Centre for Cell Biology of Infectious Pathogens (WACCBIP)	Molecular Characterization of Pathogens in Ghanaian Children Presenting with Acute Febrile Illness	GBP 50,000.00
National Institute for Health Research through University of Sheffield	Dr. Genevieve Aryeetey	Department of Health Policy, Planning and Management	Living in the City: Building Collaborations to Strengthen Health Systems to Respond to the Needs of Newly Urbanised Populations in Africa and Asia	GBP 17,784.00
National Institute of Health through New York University, Grossman School of Medicine	Prof. Richard Adanu	Department of Population, Family and Reproductive Health	Stroke and Cardiovascular Research Training (SCaRT) Institute	USD 124,200.00



FUNDING NEWS Continued

FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
National Institutes of Health	Dr. Seth Adu-Afarwuah	Department of Nutrition and Food Science	Neural Mechanisms of Protective Effects of Early Nutrition on the Development of Social-emotional Difficulties among Children in Ghana	USD 274,878.00
National Institutes of Health	Prof. Kwasi Torpey	Department of Population, Family and Reproductive Health	Multi-Level Intervention Addressing Intersectional Stigma to Improve HIV Testing	USD 229,805.00
NIH through The Washington University	Dr. Ibrahim Abdallah Dr. Emmanuel Asampong	Department of Health Policy, Planning and Management Department of Social and Behavioural Sciences	African Regional Research Partnerships for Scaling up Child Mental Health EBPS - Strengthening Mental Health and Research Training (SMART-Ghana)	USD 51,264.00
NIH through The Washington University	Dr. Ibrahim Abdallah Dr. Alice Boateng	Department of Health Policy, Planning and Management Department of Social Work	Intervention to Improve Developmental and Health Outcomes for Female Adolescents	USD 95,044.00
NIH_Oxford's internal AfOx Research Development Awards	Dr. Caesar Atuire	Department of Philosophy and Classics	A Roadmap Co-created by Caregivers on Navigating the Mental Healthcare Streams in Ghana and their Intrinsic Challenges: Terminology, Conceptualizations and Resources.	GBP 49,797.89
NIHR through University of Leeds, UK	Dr. Augustina Koduah	Department of Pharmacy Practice and Clinical Pharmacy	Improving Equitable Access to Essential Medicines in Ghana through Bridging the Gap in Implementing Medicines Pricing in Ghana	GBP 72,964.6
Nippon Paint Co. Ltd	Prof. Abraham Anang	Department of Bacteriology	Efficacy Testing and Bactericidal and Virucidal Activities and Nippon Paint Air and Clean	USD 18,927.62
Norwegian Agency for Development Cooperation (Norad)	Prof. Justice Nonvignon	Department of Health Policy, Planning and Management	Comprehensive Approach towards Universal Health Coverage (UHC)	NOK 324,423.00

FUNDING NEWS Continued



FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
Options Consultancy Services Limited through King's College London	Dr. Benedict Weobong	Department of Social and Behavioural Sciences	Leave No One Behind: Mental Health & Disability (MH&D) Ghana	GBP 663,362.00
President and Fellows of Harvard College through Harvard T.H. Chan School of Public Health	Prof. Gordon Awandare	West Africa Centre for Cell Biology of Infectious Pathogens (WACCBIP)	Partnership for Global Health Research Training Program	USD 45,766.00
Prudential Insurance Ghana Limited	Dr. Sewoenam Chachu	Department of French	Providing Language Interventions to Fight Stigma and Misinformation on Covid-19	GHS 85,250.81
Research England	Prof. Stephen Kwankye Dr. Ernestina Dankyi	Regional Institute of Population Studies (RIPS)	The Health Experiences of Migrant Children in Ghana Identifying Priorities for Community-based Health Promotion	GBP 10,356.00
Research England	Prof. Audrey Gadzekpo	School of Communication Studies	Interrogating (Gendered) Information Ecosystems in Climate Change Adaptation in Rural Ghana and Kenya: A Pilot Field Study	GBP 4,200.00
Research England's Global Challenge Research Fund through The University of Sheffield	Dr. Richard Amewu	Department of Chemistry	Better Outcomes for Buruli Ulcer Sufferers: Improved Diagnostics and Behavioural Change	GBP 27,600.00
Research Organization of Information and Systems, National Institute of Genetics	Prof. Boniface Kayang	Department of Animal Science	Promotion of Domestication of Giant Rodent Grasscutters for Environmental Protection and Food Safety in West Africa	USD 21,871.28
Scottish Funding Council – under Global Challenge Research Fund	Dr. Richard Amewu	Department of Chemistry	Dundee-Ghana Drug Discovery Group	GBP 71,160.00



FUNDING NEWS Continued

FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
Scottish Funding Council (SFC) through University Court of the University of Aberdeen	Dr. Kwaku Kyeremeh	Department of Chemistry	Ghanaian Microbial-derived Peptides and Small Molecules as Prospective Sources of Natural and Effective Inhibitors of Binding Between SARS-CoV-2 Spike Protein and Angiotensin Converting Enzyme	GBP 23,440.00
Social Sciences and Humanities Research Council (SSHRC)	Prof. Stephen Kwankye	Regional Institute of Population Studies (RIPS)	African Child Migration in Circumstances of Vulnerability	CAD 42,590.00
Star Ghana Foundation	Dr. Sena Dei-Tutu Prof. Raymond Atuguba	School of Law	COVID-19 Impact, Outlook and Response in Ghana and Africa, the Democratic Vigilance Project Initiatives and Amendment to the Proposal on Internal Conference on Future of Legal	GHS 100,000.00
The Academy of Medical Sciences through Leeds Beckett University	Prof. Alfred Yawson	Department of Community Health	Improved Nutrition and Sustainable Livelihoods for Female Informal Workers in Ghana and Nigeria: An Interdisciplinary Network	GBP 11,440.89
The Andrew Mellon Foundation	Prof. Samuel Agyei-Mensah Prof. Samuel Offei	Department of Geography and Resource Development Biotechnology Centre	Centre for Teaching and Learning Innovations for Humanities	USD 800,000.00
The Arts and Humanities Research Council	Prof. Kodzo Gavua	Department of Archaeology and Heritage Studies	Imaging Futures through Un/Archived Pasts - Development Proposal	GBP 10,144.00
The Arts and Humanities Research Council	Prof. Kodzo Gavua	Department of Archaeology and Heritage Studies	Imaging Futures through Un/Archived Pasts - Imagining Ghanaian Futures - Main Agreement	GBP 82,654.00

FUNDING NEWS Continued



FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
The University of Manchester	Prof. Abdul-Gafaru Abdulai	Department of Public Administration and Health Services Management	Investigating 'Pockets of Effectiveness' in Developing Countries: A New Route to Building State Capacity for Development	GBP 10,525.00
Tides Foundation	Dr. Yaw Bediako	West Africa Centre for Cell Biology of Infectious Pathogens (WACCBIP)	Sequencing for COVID Mitigation in Ghana (SeqCOMGH)	USD 50,000.00
UK Department for Int'l Development (DFID) through the Institute of Development Studies	Prof. Felix Ankomah Asante	Institute of Statistical, Social and Economic Research (ISSER)	ACHA - Action on Children's Harmful Work in African Agriculture – Inception Phase	GBP 2,098.97
UK Foreign and Commonwealth Development Office, FCDO	Prof. Justice Nonvignon Dr. Genevieve Aryeetey	Department of Health Policy, Planning and Management	Community- led Responsive and Effective Urban Health Systems (CHORUS)	GBP 690,471.00
UKRI	Prof. Dorothy Yeboah-Manu Prof. Audrey Gadzekpo	Department of Bacteriology, NMIMR School of Communication Studies	Maximising Benefit and Minimising Harm of COVID-19 Control Measures on Child and Women's Health in Four Sub-saharan African Countries	GBP 100,135.65
UKRI	Dr. Adelina Mensah	Institute for Environment and Sanitation Studies (IESS)	Transforming Social Inequalities through Inclusive Climate Action (TSITICA)	GBP 237,219.00
UKRI through University of Coventry	Prof. Joseph Teye	Centre for Migration Studies	Migration, Inequality and Development Hub Amendment Agreement	GBP 235,418.52
UKRI-GCRF	Dr. George Acheampong	Department of Marketing and Entrepreneurship	Bridging the Digital Gender Divide to Stimulate Growth in African Digital Economies	GBP 3,076.18
UKRI-GCRF	Prof. Samuel Agyei-Mensah	Department of Geography Resource Development	Integrated Digital Monitoring and Management of Air Pollution in African Cities	GBP 50,324.00



FUNDING NEWS Continued

FUNDER	UG LEAD	ORIGINATING UNIT	PROJECT TITLE	BUDGET ALLOCATED TO UG
WHO - TDR	Dr. Phyllis Dako-Gyeke	Department of Social and Behavioural Sciences	Agreement for Performance of Work (APW) to Develop and Pilot a Virtual Training Course on Basic Principles on Implementation Research (IR)	USD 10,700.00
WHO Special Programme for Research	Prof. Richard Adanu	Department of Population, Family and Reproductive Health	TDR Supported Postgraduate Training Scheme with a Focus Implementation Research	USD 6,952.00
World Health Organization (WHO)	Dr. Benedict Weobong	Department of Social and Behavioural Sciences	Y-CHECK Phase 1: "Reaching Adolescents with Health Services": A Multi-country Study of Adolescent Health Check-ups in Low and Middle Income Countries	USD 9,960.00
World Health Organization (WHO)	Dr. Deda Alangea	Department of Population, Family and Reproductive Health	Agreement for the Performance of Work (APW) for the Adaptation of Generic Social Science Protocols and Preparation for Implementation of COVID-19	USD 15,010.00
World Resources Institute (WRI)	Prof. Kwasi Apeaning Addo	Institute for Environment and Sanitation Studies (IESS)	Coastal Development - Managing Resilience, Restoration and Infrastructure Requirements	USD 30,000.00



AWARDS & APPOINTMENTS



DR. CAESAR ATUIRE
Appointed to the WHO Ethics Working Group on access to COVID-19 tools

Dr. Caesar Atuire, a philosopher and bioethicist of the Department of Philosophy and Classics, has been appointed one of 20 experts selected worldwide to constitute the WHO ACT Accelerator Ethics Working Group. The Ethics Working Group will be examining the criteria for vaccine acquisition and distribution between nations as well as offering recommendations for priority setting of vaccination programmes within member countries. The Ethics Working Group (WG) will support WHO and Partners in responding to ethical and governance issues as they arise in the Accelerator, deliberate on the criteria for international distributive justice in vaccine distribution and also facilitate an ethical implementation of activities in member countries.



PROFESSOR NANA ABA APPIAH AMFO
Elected to serve on International Committee

Professor Nana Aba Appiah Amfo, Pro-Vice-Chancellor, Academic and Student Affairs has been elected to serve on the Executive Committee of Fédération Internationale des Langues et Littératures Modernes (FILLM) (The International Federation for Modern Languages and Literatures) as an Assistant Secretary General for a three-year tenure (2020 – 2023).

The FILLM, an affiliate of UNESCO, is the official international body representing the study of language and literature as research-based scholarly disciplines, including interdisciplinary research in universities and higher education institutions world-wide, which represent intellectual and cultural endeavours on a global basis.



MRS. MARY CHINERY-HESSE
Appointed as Honorary Fellow of the African Academy of Sciences

Mrs. Mary Chinery-Hesse, Chancellor of the University of Ghana has been appointed an Honorary Fellow of the African Academy of Sciences in honour of her "contributions to the continent The African Academy of Sciences is a non-political, non-aligned, Pan African Organization mandated to pursue excellence by recognizing scholars and achievers.

Honorary Fellows of the Academy are elected from among persons of eminence who have distinguished themselves in areas such as teaching; technology; services to professional societies, academia, industry, and government;". in line with the objectives and vision of the Academy to 'transform lives through science'.



PROFESSOR JOSEPH KOFI TEYE
Appointed as member of International Advisory Boards

The Director of the Centre for Migration Studies (CMS), Professor Joseph Kofi Teye has been appointed a member of the International Organization of Migration (UN Migration) High-Level Advisory Group for migration research and publishing. The Migration Research and Publishing Advisers consist of migration experts from around the world who partner with International Organization for Migration Research teams to produce balanced, rigorous, and evidence-based research and analysis of international migration and displacement.

Professor Joseph Kofi Teye has also joined the membership of International Advisory Board (IAB) of Canada Excellence Research Chair (CERC) in Migration and Integration. The IAB of CERC is comprised of renowned scholars and stakeholders from across the globe, with expertise in a wide range of disciplines. The IAB provides feedback and direction on the CERC's progress and builds important connections to international research and policy networks.

AWARDS & APPOINTMENTS continued



DR. SYLVANUS KUWOR

Nominated as member of International Committee of Association of Blacks in Dance (IABD)

Anthropo-Choreologist and Head of Department of Dance Studies. Dr Sylvanus Kuwor, has been nominated to serve as a member of the International Committee of Association of Blacks in Dance (IABD) in recognition for his influential, persistence, meticulous and assertiveness to the course of the committee. Members of the Committee will contribute to the understanding, concerns, educational and professional resources as well as raise the membership profile of the global constituency and representation of Blacks in Dance within the IABD.



PROFESSOR KWAME OFFEI

Appointed to serve as Jury Member for the GCHERA World Agriculture Prize

Prof. Kwame Offei, Director of the Biotechnology Centre and former Pro-Vice-Chancellor (Academic and Student Affairs), has been appointed to serve as a member of the Jury for the Global Confederation of Higher Education Associations for Agricultural and Life Sciences (GCHERA), World Agriculture Prize. Prof. Offei's appointment as juror follows a recommendation and assessment by GCHERA for his leadership in higher education, record of research publications, mentoring of young scientists, and service to communities.

University of Ghana earns off-grid energy solution of the year award



FROM L-R (Prof. Felix Asante, Pro VC, ORID, Mrs. Mammie Hutchfield Nortey, RDO, ORID and Prof. Boateng Onwona-Agyeman, Chairman, (IPSIT) and Dean, School of Engineering Sciences)

The University of Ghana has been adjudged the winner of the Off-Grid Energy Solution of the Year award by the Ghana Energy Awards in recognition of the University's relentless efforts to augment its energy supply through the adoption of off-grid solar solutions.

The Ghana Energy Award Scheme is an Industry-oriented initiative executed in partnership with various government regulating agencies in the energy sector to recognise the hard work of industry practitioners and reward institutions for meritorious service to the country and its people.

University of Ghana's Independent Power Supply Implementation Team (IPSIT) is one of eight strategic teams set up in 2016 by the Vice-Chancellor to develop strategies for the establishment of an independent power supply source for the University and to raise funds for the project through external partnerships.

The GCHERA World Agriculture Prize (WAP) aims to encourage the development of the mission of higher education institutions in research, innovation, and outreach in the agricultural and life sciences. Prof Offei is recognized for his distinguished contribution to the listed academic fields.



PROFESSOR FIRIBU SAALIA

Appointed as O.R. Tambo Africa Research Chair in Food Science and Technology

Professor Firibu Saalia of the School of Engineering Sciences has been appointed O.R. Tambo Africa Research Chair in Food Science and Technology by the Oliver Reginald Tambo Africa Research Chairs Initiative (ORTARCHI), appointing the initiatives first ten host institutions and individual chairholders from seven countries across Africa.

The ORTARCHI Research Chairs who are usually appointed for individual leadership and commitment of host universities to support high-quality research, are expected to conduct research, and support high-end skills development on a diverse range of topics including climate, public health, entrepreneurship, and youth employment in addition to the training of the next generation of researchers.

Professor Saalia's award is in recognition of his contributions to food processing, safety, and quality.



AWARDS & APPOINTMENTS continued



PROFESSOR CHARITY SYLVIA AKOTIA

Elected as Co-Chair of the Council of National and Regional Representatives of the International Association for Suicide Prevention (IASP)

Professor Charity Sylvia Akotia, the immediate past Dean of the School of Social Sciences, has been elected for a 4-year term to serve as Co-Chair of the Council of National and Regional Representatives of the International Association for Suicide Prevention (IASP) with effect from January 1, 2021.

The IASP is dedicated to preventing suicide and suicidal behaviour, alleviation of the effects of suicide, and providing a forum for academics, mental health professionals, crisis workers, volunteers, and suicide survivors to interact.



DR. BELLA BELLO BITUGU

Appointed as member of the Governing Board of the International Centre of Martial Arts for Youth Development and Engagement

Director of Sports at the Sports Directorate, Dr. Bella Bello Bitugu, has been appointed to serve on the Governing Board of the International Centre of Martial Arts for Youth Development and Engagement (ICM) under the auspices of the United Nations Educational, Science and Cultural Organisation (UNESCO) for a three-year term.

The ICM supports youth development, leadership cultivation, and social empowerment. The governing board is expected to supervise, manage, and determine the activities of the Centre to promote the core mandate of UNESCO.



EMERITA PROFESSOR ISABELLA AKYINBAH QUAKYI

Recognized during the 2021 International Women's Day

Emerita Professor Isabella Akyinbah Quakyi, Professor of Immunology and Parasitology, has been named as one of seven women worldwide whose works against all odds have changed our world for the better.

The seven women in science were recognized during the 2021 International Women's Day. The Newsweek report states: women who excel in Science, Technology, Engineering, and Mathematical (STEM) fields defy the odds stacked against them and are often paid less than their counterparts.

Emerita Professor Isabella Quakyi was involved in the cloning of protein secreted by the malaria parasite to develop the peptide vaccines.



DR. EBENEZER OWUSU

Appointed as member of the Africa Leadership Council of Special Olympics

Dr. Ebenezer Owusu, Head, Department of Plant and Environmental Biology has been appointed to serve as a member of the Africa Leadership Council (ALC) of Special Olympics.

The Special Olympics is a global movement with a mission to provide year-round sports training and athletic competitions for children and adults with intellectual disabilities. The Special Olympics is aimed at tackling the inactivity, stigma, isolation, and injustice associated with people with intellectual disabilities.



DR. MARY ANTI CHAMA

Receives Suffrage Science Award

Dr. Mary Anti Chama, a Senior Lecturer at the Department of Chemistry, has been awarded the prestigious Suffrage Science Award in the Engineering and Physical Sciences.

The Suffrage Science Award Scheme, founded by the MRC London Institute of Medical Sciences (LMS), celebrates women in science for outstanding scientific research, communication work, and support for women in Science, Technology, Engineering and Mathematics (STEM). The awards scheme, categorised into three branches: Life Sciences, Engineering and Physical Sciences and Maths and Computing celebrates women in science for their scientific achievements and encouraging more women to take up and excel in science.



Are you a researcher/innovator/professional @ UG looking for a platform to disseminate research and inventions to the public?

The Ghana Science Association in collaboration with Starr FM (103.5) has instituted a weekly programme dubbed **"The Horizon"** for researchers, innovators and professionals working in the field of Science, Technology, Engineering and Mathematics (STEM) to share their work and contribute to public discourse.



Interested individuals should contact
the Publication, Dissemination and Translation (PDT) Team at ORID
via orid-pdt@ug.edu.gh for further information.



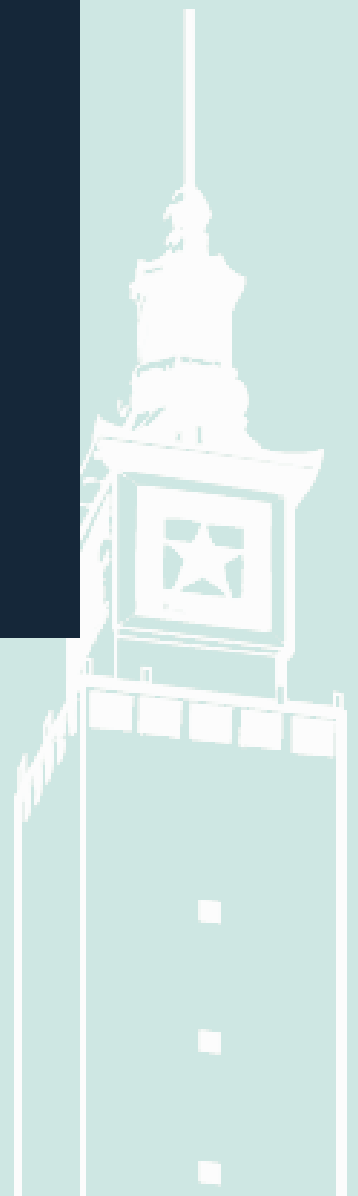
Inspiring

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