



Promoting Excellence in Knowledge

GHANA ACADEMY OF ARTS AND SCIENCES

INAUGURAL LECTURE 2022



TOPIC:

PAIN: THE BANE OF MANKIND

SPEAKER:

PROF. GLADYS AMPONSAH, FGA

Professor of Anaesthesiology

CHAIRMAN:

EMERITA PROF. ISABELLA A. QUAKYI, FGA

Vice President, Sciences Section, GAAS

DATE: THURSDAY MARCH 24, 2022 | **TIME:** 5:30 PM

VENUE: GHANA ACADEMY OF ARTS AND SCIENCES AUDITORIUM

#3 Research Crescent, Casely Hayford Road, Airport Residential Area, Accra 📍 GA-018-1825

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MEETING ID

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Ghana Academy of Arts and Sciences



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Ghana Cocoa Board



ABOUT THE SPEAKER
PROF. GLADYS AMPONSAH, FGA
Professor of Anaesthesiology

Prof Gladys Amponsah attended Aburi Girls' Secondary School in the Eastern Region. She then entered the University of Ghana to pursue a course in medicine graduating in June 1972 with a Bachelor of Medicine, Bachelor of Surgery (MB ChB) degree. After 1 year internship she spent another year as a medical officer in the Department of Anaesthesia, Korle Bu Teaching Hospital. She received a British Council scholarship to do a postgraduate course in anaesthesia at the University of Liverpool in August 1974. She obtained the Fellowship of the Faculty of Anaesthesia, Royal College of Surgeons, (FFARCS) in July 1977. The Royal College of Anaesthesia has replaced the Faculty. She came back to Ghana to join the Department of Anaesthesia in February 1980 as a lecturer.

For over four decades, she spent her time in teaching undergraduate students, teaching and training of postgraduate doctors and medical officers and research. As Head of Department, she put the postgraduate training in anaesthesia at a new level. A number of doctors joined the department to do the Diploma in Anaesthesia programme, some of whom proceeded to do the fellowship programme of the West African College of Surgeons (WACS). Eight fellows were produced in a period of ten years. She was actively involved in the training of all of them as well as being the first supervisor of the first two fellows. Her passion for human resource development led to her involvement in the two postgraduate medical colleges: the WACS and the Ghana College of Physicians and Surgeons (GCPS). She served on the council of the WACS for many years. She was the Chief Examiner and Chairman of Faculty of Anaesthesia for two terms. She was the first Chief Examiner of the Faculty of Anaesthesia at GCPS. She joined the newly established University of Cape Coast School of Medical Sciences (UCCSMS) in November 2009. She became the Vice Dean and Acting Dean of the school before returning to Accra in November 2015 after the graduation of the first three batches of medical students.

On the clinical practice side, she introduced some innovations. These include the establishment of the first Pre-Anaesthetic Clinic (PAC) in Ghana in June 2000 and the institution of spinal anaesthesia for caesarean section in KBTH which is now practiced widely in Ghana. She put in measures to ensure perioperative pain management of patients. She led a team of anaesthetists to provide anaesthesia for the separation of four sets of Siamese twins. The most successful was the separation of two female babies in May 1999, both of whom are still alive. She has published a number of peer reviewed articles. She co-authored a textbook for perioperative nurses in 2006.

She has received a number of awards and citations. These include a citation from the Society of Anaesthetists of West Africa (SAWA) for her contribution to the development of anaesthesia in the West African sub-region in 2002, (she was the President of SAWA for two terms), a meritorious award from the Ghana College of Physicians and Surgeons in recognition of her service to the Faculty of Anaesthesia and Postgraduate Medical Education in Ghana in 2013, West African College of Surgeons' award in recognition of her selfless

service and contributions to the growth and upliftment of the College in 2019 and a citation from UCCSMS for her enormous contribution during her tenure as Dean in 2019. Institute of Directors-Ghana conferred on her an honorary award in recognition of the fantastic leadership demonstrated over many years in her fields of endeavour in 2019.

She is a Fellow of the Royal College of Anaesthetists, (England), Fellow of the West African College of Surgeons and a Foundation Fellow of the Ghana College of Physicians and Surgeons. She is also a member of professional associations such as the Ghana Anaesthetists Society.

She has been an Independent Director of Intravenous Infusions PLC since July 2014, having been an Alternate Director from 1999. She is the Chairperson of the Human Resource and Governance Committee and a member the Technical, Audit and Risk committees.

SYNOPSIS

PAIN; THE BANE OF MANKIND

Every human being will experience pain of one kind or the other during their life time. Some may experience pain on the day of birth and some on the day of death. Hence the title of the lecture Pain the bane of mankind. Pain brings patients to health facilities.

The International Association for the Study of Pain (IASP) defined pain in 1979, which has since been modified. Pain pathway from the periphery to the brain which results in the pain perception is traced. Pain perception is highly subjective and is modified by factors such as age, sex, previous experience and cultural factors. Even though pain is what the individual says he/she has, objective methods for pain assessment even in neonates have been developed for clinical practice.

Pain classification based on the following is described: origin of the pain, duration of the pain and nature/description of the pain. The management of pain is discussed using the acronym WHO: why, how and outcome of management of pain. The management of acute and chronic pain is discussed. The various drugs, opioids, non-opioids, local anaesthetics agents; various methods or routes of administration of the drugs such as parenteral, oral, rectal and intrathecal routes are discussed.

Pain management cannot be discussed without mentioning the epidemic of substance abuse which is claiming more lives than perhaps the current COVID-19 pandemic.

The multidisciplinary approach for the management of chronic pain is discussed. The role of pain clinic is also discussed. The pain clinic in Walton Centre, Liverpool is singled out for mention because of its pioneering role in pain management and also its impact on the author.

Palliative care and euthanasia are mentioned in relation to chronic pain.

5:30 PM

- **Welcome Address and Introduction of Chairman**
Prof. Helen Yitab, FGA,
Honorary Secretary, GAAS

- **Chairman's Remarks and Introduction of Speaker**
Emerita Prof. Isabella A. Quakyi, FGA
Vice President, Sciences Section, Gaas

- **Lecture Begins**

- **Chairman's Closing Remarks**

- **Honorary Secretary's Remarks**

- **Refreshments**

INAUGURAL LECTURES

Since 1973, all newly elected Fellows have had to deliver an Inaugural Address before other Fellows and specially invited guests at evening meetings arranged for the purpose. These lectures are expected to be of a high standard but not so technical as to be beyond the comprehension of non-specialists.

Originally restricted to invited guests and Fellows, the popularity of the lectures and the choice of topics which have always focused on contemporary issues of national or international significance have compelled the Academy to make these lectures public to a larger audience in recent times.

Inaugural lectures delivered since 1993 are as follows:

- 1993 The Search for an Anti-HIV (Aids) Drug – The Present Position, Problems and Prospects;
*Emeritus Prof. Ivan Addae-Mensab**
- 1994 Health, Medicine and Society;
*Prof. S. K. Owusu**
- 1995 Does Africa Really Need Her Universities?
Prof. Akilagba Sawyerr
- 1997 Religion and National Identity: Assessing the Discussion from Cicero to Danquah;
Prof. Kwame Bediako
- 1997 Efficient Utilisation of the Vertic Soils of the Accra Plains: Prospects, Constraints & the Way Forward;
*Prof. Yaw Abenkorah**
- 1998 Horticultural Research in Ghana: An Overview;
*Prof. J. C. Norman**
- 1999 The Role of the Judiciary in the Establishment of Democracy in Ghana;
Dr. S. Y. Bimpong-Buta
- 2000 Scholarly Authority and the Quest for a New World Academic Order,
Prof. Kwesi Yankab
- 2001 Ghana's Animal Agriculture;
*Prof. W. S. Albassan**
- 2002 Theology and Culture: An African Perspective;
Most Rev. Peter K. Sarpong, Archbishop Emeritus of Kumasi
- 2002 Private Investment and Law in a Developing Economy: Some Reflections;
Justice Prof. S. K. Date-Bab
- 2003 The Future of Cardiothoracic Surgery in Ghana;
*Prof. K. Frimpong-Boateng**
- 2004 The Impact of Cocoa Research Innovations on Poverty Alleviation in Ghana;
*Dr. M. R. Appiah**
- 2004 Bricks, Blocks and the Future Administrative Capital of Ghana;
*Prof. K. A. Andam**
- 2004 Voyage from Birth to Death: Health Hazards for Ghanaians;
*Prof. J. O. M. Pobee**
- 2005 The Ethnic Factor in National Development: Uses and Abuses;
Prof. D. K. Agyeman
- 2005 Physics for Wealth Creation;
*Prof. Aba Bentil Andam**
- 2005 Chemistry – The Neglected Element in the Industrialisation Equation;
Prof. V. P. Y. Gadzekpo
- 2005 Ghana's Juvenile Justice System on Probation: Making Progress with Painful Steps and Slow;
Prof. Henrietta J. A. N. Mensa-Bonsu

- 2006 Libraries and National Development: Implications for Ghana;
Prof. A. A. Alemna
- 2006 Where there is No Silence: Articulations of Resistance to Enslavement,
Prof. Naana Jane Opoku-Agyemang
- 2006 Race, Political Identity and Citizenship in Ghana: The Example of the Lebanese;
Prof. E. K. Akyeampong
- 2006 Embodiment and Epiphanies: Disability in Literature and Society;
Prof. L. A. Quayson
- 2006 Implementing the New Partnership for Africa's Development (NEPAD): Challenges and the Path to Progress;
Prof. S. K. B. Asante
- 2006 Improving Human Livelihood: A Development Challenge of the 21st Century;
Prof. K. Asenso-Okyere
- 2007 Challenges of Post-Conflict Reconstruction: Some Reflections;
Dr. Eugenia Date-Bab
- 2008 The Marriage of Mathematics and Biology;
*Prof. K. S. Nokoe**
- 2008 An 11th Region of Ghana? Ghanaians Abroad;
Prof. Takyiwaa Manuh
- 2008 Some Thoughts on Ministerial Reshuffles in Ghana;
Prof. J. R. A. Ayee
- 2008 Nuclear Power for Generating Electricity in Ghana: Issues and Challenges;
*Emeritus Prof. E. H. K. Akabo**
- 2008 Urban Housing and Sanitation – Our Habitat, Our Health;
*Prof. Ralph Mills-Tettey**
- 2008 African Boundaries and Regional Integration: Ghana, OAU and ECOWAS;
Prof. R. B. Bening
- 2009 The Public Law of Ghana – A Tale of Two Legal Systems;
Emeritus Prof. Albert K. Fiadjoe
- 2009 Modernising Ghana's Agribusiness: Science, Technology, Engineering and Indigenous Bio-process Systems;
*Prof. S. K. Sefa-Dedeb**
- 2010 From Everyday Risks to Disaster Risks: Confronting 'Brown' and 'Green' Issues in Ghana's Human Settlements;
Prof. J. Songsore
- 2011 To Mine or Not to Mine: The Economic Controversy and its Resolution;
*Prof. D. Mireku-Gyimah**
- 2011 Culture and the Health of the Nation;
Prof. K. Anyidobo
- 2011 Treating Ghana's Sick Health Service;
*Prof. A. B. Akosa**
- 2011 The Political Economy of Poverty, Equity and Growth;
Prof. K. Ewusi
- 2012 Poverty and Climate Change in Sub-Saharan Africa: Are we winning or losing the Game?
Prof. G. K. S. Aflakpui
- 2013 Politics in the African Development Bank: A Study on the Role and Limits of Politics in an Intergovernmental Institution;
Kantinka Sir Dr. K. Fordwor

- 2013 The Dangers that Obsolete Chemicals Pose to Us;
*Prof. J. H. Ephraim**
- 2013 Harnessing Science for Development of Medicines: Challenges for Ghana in the Global Matrix;
*Prof. Arthur C. Sackeyfio**
- 2013 The Role of Veterinary Medicine in National Development;
*Prof. Paa Kobina Turkson**
- 2014 The Law and Practice of Contempt of Court in Ghana;
Justice Stephen A. Brobbey
- 2014 Truth and Nation-State Building: A Theologian's Perspective;
Rev. Prof. Emeritus John Samuel Pobe,
- 2014 Tailor Light to Task, For Sustainable Development in Ghana;
*Prof. Paul K. Buab-Bassuab**
- 2015 Building Biomedical Research Capacity for Malaria Vaccine and Public Health from Grassroots to Policy: Challenges, Achievements and Future Perspectives;
*Prof. Isabella Quakyi**
- 2015 Architecture for Autism: A Technical Response With Mind and Heart to A Dire Human Need;
*Prof. Dr. Ing. Nii-Adziri Wellington**
- 2015 Will Our Food Animals Live Beyond Tomorrow?
*Prof. Ben K. Abunu**
- 2015 Distressed Fish in Dying Waters?
*Prof. Rose Emma Mamaa Entsua-Mensab**
- 2015 An Audit of Our Contemporary Art Heritage: Rationale for the Preservation of the Legacy and the Restoration of the Culture
Prof. Ablade Glover
- 2016 Channels of Prayer, Prophecy and Power: Contemporary Religion, New Media and Transformation of the Public Sphere in Africa;
Very Rev. Prof. J. Kwabena Asamoah-Gyadu
- 2016 Medicines and Healthcare In Ghana;
*Prof. David Ofori - Adjei**
- 2016 Slavery In Ghana: Our Story And Our Heritage;
Prof. Akosua Adoma Perbi
- 2016 Peak Phosphorus: What it Means for Ghana's Agricultural Productivity and Food Security;
*Prof. E. Owusu-Bennoah**
- 2017 The Philosophy of Man;
Justice Prof. V. C. R. A. C. Crabbe
- 2017 Space Technology Unleashing a Wave of Disruptive New Technologies – To Post-Scarcity Economy;
*Dr. Asbitey Trebi-Ollennu, FGA**
- 2017 Plant Diseases, Crop Production and Food Security in Ghana;
*Prof. G. T. Odamtten**
- 2017 "Who are We and Whose are We?
Prof. Akosua Adomako Ampofo
- 2017 The Government of Ghana and International Arbitration;
Dr. Richard Frimpong
- 2017 Access to Sustainable and Affordable Energy for All: The Role of Nuclear Energy;
*Prof. B.J.B. Nyarkob**
- 2017 The Tyranny of Foreign Expertise: Epistemic Injustice in the Global Arena with Impacts for Ghanaians' Public Health Care;
Prof Helen Lauer

- 2017 Achieving Food and Nutrition Security Through Plant Breeding
*Prof. Hans Adu-Dapaab**
- 2018 Addressing the Crisis of Work in Ghana: What Role for Transformative Social Policy?
Prof Dzodzi Tsikata
- 2019 Understanding Biodiversity as an Infrastructure of Life for Development
*Prof. Alfred A. Oteng-Yeboah**
- 2019 Deficit of Critical Citizenship in Ghana: A Critique of Political (il)literacy, Civic (ir)responsibility and (un)critical Followership.
Prof. Wisdom Tettey
- 2021 The Origins and Consequences of the Mass Migration from West Africa to Libya and Europe - A West African Perspective.
Prof. Steve Tonah
- 2021 The Changing Trends in Land Law, Policy, Governance and Management Under the Land Act 2020 (act 1036).
Justice Sir Dennis Dominic Adjei
- 2021 Laughing, Singing, Dancing for Health: Creative Arts and the Science of Health Communication in Ghana.
Prof. Ama De-graft Aikins
- 2021 Ghanaian Humour in a Time of Crisis: Reflections on the Making of Cultural Meaning .
Prof. Helen Yitab
- 2021 The Meat Industry and National Development.
*Prof. Gabriel Ayum Teye**
- 2022 Linguistic Pan-Africanism as a Global Future
Prof. Adams Bodomo

****Science-oriented Presentations***

THE ACADEMY

The Ghana Academy of Arts and Sciences is Ghana's Premier Learned Society. It was founded in November 1959 by Government Instrument of Incorporation. Its aim is to bring together the highest level of intellectuals, experts, professionals in the country to constitute a 'Think Tank' in the Arts and Sciences to enable it advise government and other relevant bodies on issues of importance to national development.

Mission

The mission of the Ghana Academy of Arts and Sciences is to encourage the creation, acquisition, dissemination and utilisation of knowledge for national development through the promotion of learning.

Objectives

The Academy's objectives are to:

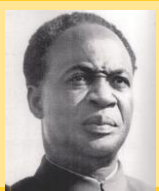
- **Promote** the study, extension, and dissemination of knowledge of the Arts and Sciences;
- **Promote** the establishment and maintenance of proper standards of endeavour in all fields of the arts and sciences;
- **Recognize** outstanding contributions to the advancement of the arts and sciences in Republic of Ghana;
- **Contribute** actively to the advancement of Ghana and Africa in particular and the world in general by examining and addressing issues of development; and
- **Do** any other things that are conducive or incidental to the attainment of all or any of the foregoing objects.

PRESIDENTS

GHANA ACADEMY OF ARTS AND SCIENCES
[1959 - 2022]



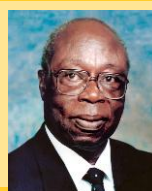
Duke of Edinburgh, Prince Philip, FGA
1959 - 1961



Dr. Kwame Nkrumah, FGA
1961 - 1966



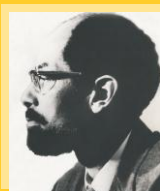
Mr. Justice N.A. Otienu, FGA
1969 - 1972



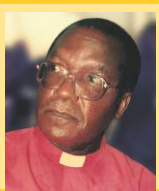
Prof. E.A. Borteng, FGA
1973 - 1976



Prof. C.O. Essom, FGA
1977 - 1980



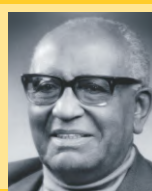
Prof. K.O.T. Torto, FGA
1981 - 1982



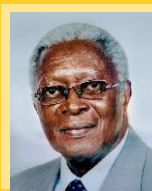
Most Rev. Prof. K.A. Dickson, FGA
1983 - 1986



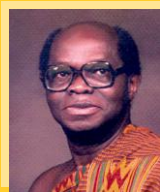
Dr. E. Evans-Akum, FGA
1987 - 1990



Rev. Prof. C.O. Baeta, FGA
1991 - 1992



Prof. D.A. Bekoe, FGA
1993 - 1996



Prof. J.H. Kwabena Nketia, FGA
1997 - 1998



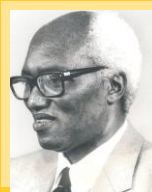
Prof. Fred T. Sai, FGA
1999 - 2002



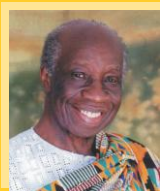
Nana Dr. S.K.B. Asante, FGA
2003 - 2006



Dr. Letitia E. Obeng, FGA
2007 - 2008



Prof. Reginald Fraser Amoo, FGA
2009 - 2010



Prof. F.K.A. Alley, FGA
2011 - 2014



Prof. Akkappa Sawyer, FGA
2015 - 2016



Prof. Aba Benli Andam, FGA
2017 - 2018



Prof. Henrietta J. A. N. Mensa-Bonsu, FGA
2019 - 2020



Emeritus Prof. Samuel Seta-Odedeh, FGA
2021 - 2022

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