PROF. OTCHERE ADDAI-MENSAH MBChB | MSc | PhD (Dr. rer. nat.) | MPH

Professor of Medical Diagnostics | Physician-Scientist | Healthcare Executive | Global Health Leader

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Research profiles:

- Google Scholar: https://scholar.google.com/citations?user=P_Tq4gIAAAAJ
- PubMed: https://pubmed.ncbi.nlm.nih.gov/?term=Addai-Mensah%20O
- Scopus: https://www.scopus.com/authid/detail.uri?authorId=36467917
- ResearchGate: https://www.researchgate.net/profile/Otchere-Addai-Mensah

1. EXECUTIVE PROFILE

Professor Dr.rer.nat Dr.med Otchere Addai-Mensah is a distinguished physician-scientist, full Professor of Medical Diagnostics, academic administrator and healthcare executive with over two decades of experience spanning clinical medicine, biomedical research, higher education, tertiary healthcare management, public health leadership, health-sector governance and institutional transformation.

He holds a Bachelor of Medicine and Bachelor of Surgery (MBChB) from the Kwame Nkrumah University of Science and Technology (KNUST), an MSc in Biomedical Sciences from the University of Westminster, United Kingdom, a Doctor of Philosophy (Dr. rer. nat.) in Immunology and Biotechnology from RWTH Aachen University, Germany, and a Master of Public Health (MPH) from the Ghana Institute of Management and Public Administration (GIMPA).

He previously served as Chief Executive Officer of Komfo Anokye Teaching Hospital (KATH), one of Ghana's largest tertiary referral and teaching hospitals, where he led significant institutional transformation initiatives involving infrastructure modernisation, financial performance improvement, clinical service expansion, digital health systems and patient-centred healthcare delivery.

A major highlight of his tenure was the initiation and leadership of the Heal Komfo Anokye Project (HEKAP), through which approximately US$4 million was mobilised towards the modernisation of the hospital's ageing infrastructure. He also oversaw the expansion of the hospital's dialysis capacity from two to twenty machines and initiated the construction of a new pharmacy block financed entirely through internally generated funds.

In academia, Professor Addai-Mensah has built an extensive career at KNUST, progressing through the academic ranks to full professorship. He currently serves as Head of the Department of Medical Diagnostics and Vice Dean of the Faculty of Allied Health Sciences. His previous university leadership positions include Dean of the Faculty of Allied Health Sciences, Vice Dean of Students, Deputy Director of Student Affairs and five(5) terms as Head of the Departments of Medical Laboratory Technology and Medical Diagnostics.

His contributions to higher education extend to university governance, academic programme development, institutional policy, staff and student welfare, strategic planning and professional association leadership. He is a former National Vice President of the University Teachers Association of Ghana (UTAG) and has served on the governing bodies of major health and educational institutions.

As a biomedical scientist, his research interests include haematology, immunology, malaria, infectious diseases, haemostasis, immuno-epidemiology and global health. He has authored and co-authored more than 80 peer-reviewed scientific publications and has extensive experience in postgraduate education, including the supervision of doctoral and master candidates.

Professor Addai-Mensah offers a distinctive combination of medical training, advanced scientific research, public health education, university governance and executive healthcare management. His professional interests encompass senior international academic appointments, university executive leadership, healthcare executive management, global health leadership, research partnerships, institutional governance and international consultancy.

2. CURRENT APPOINTMENTS

Professor of Medical Diagnostics (Haematology and Immunology)
Department of Medical Diagnostics, Faculty of Allied Health Sciences, College of Health Sciences, Kwame Nkrumah University of Science and Technology (KNUST), Ghana.
1 August 2026 – Present.

Head of Department, Medical Diagnostics
Faculty of Allied Health Sciences, KNUST, Ghana.
1 November 2026 – Present.

Vice Dean, Faculty of Allied Health Sciences
KNUST, Ghana.
1 November 2026 – Present.

Visiting Scholar
Centre for Applied Biology Research, University of Energy and Natural Resources, Sunyani, Ghana.
2025 – Present.

3. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

Master of Public Health (MPH)
Ghana Institute of Management and Public Administration (GIMPA), Ghana.
2025–2026.

PhD in Biology (Immunology and Biotechnology), Dr. rer. nat.
RWTH Aachen University, Germany - 2014

MSc in Biomedical Sciences (Haematology)
University of Westminster, London, United Kingdom - 2005

Bachelor of Medicine and Bachelor of Surgery (MBChB)
School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Ghana - 2002

BSc Human Biology
Kwame Nkrumah University of Science and Technology, Ghana - 1999

Additional professional development

- Pharmacovigilance and Pharmaco-epidemiology training, University of Bordeaux, France.
- Strategic Management: Completed taught component of an MBA programme; degree not yet awarded.
- Fellowship, Chartered Institute of Leadership and Governance, Ghana Chapter, 2023.

4. PROFESSIONAL EXPERIENCE

Chief Executive Officer

Komfo Anokye Teaching Hospital (KATH), Kumasi, Ghana
January 2023 – April 2025.

Served as the chief executive responsible for strategic leadership, operational oversight, institutional performance, resource mobilisation, healthcare delivery and organisational development at one of Ghana's major tertiary teaching hospitals.

Key achievements and responsibilities:

- Initiated and led the Heal Komfo Anokye Project (HEKAP), mobilising approximately US$4 million to support the modernisation and refurbishment of hospital infrastructure.
- Oversaw significant improvements in internally generated revenue, which increased from approximately GH₵115.8 million in 2023 to GH₵222.6 million in 2024.
- Expanded dialysis capacity from two machines at the beginning of his tenure to twenty machines.
- Initiated construction of a new pharmacy block valued at approximately GH₵43 million, financed entirely through internally generated funds.
- Strengthened electronic medical records utilisation and introduced digitisation initiatives for staff health benefits.
- Initiated and supervised extensive renovations of hospital wards, the Outpatient Department, Psychiatry and Physiotherapy Departments.
- Strengthened administrative accountability through operational restructuring and weekend executive supervision.
- Introduced improvements in staff welfare, including increases in staff medical allowances.

- Introduced a chronic-patient medication delivery initiative in collaboration with Ghana Post.
- Eliminated public toilet fees and supported improvements in outpatient service delivery and waiting-time management.
- Promoted a patient-centred institutional culture and strengthened the hospital's public image and stakeholder relationships.

Recognition: Outstanding CEO of the Year, 2024, CenBa Business Excellence Awards.

Professor / Academic Staff

Department of Medical Diagnostics, KNUST, Ghana
February 2008 – Present.

Progressed through the academic ranks:

- Professor – 1 August 2026-Present
- Associate Professor – 1 August 2020 to July 2026.
- Senior Lecturer – 1 August 2016 to July 2020.
- Lecturer – 14 February 2008 to July 2016.

Principal responsibilities:

- Undergraduate and postgraduate teaching in haematology, immunology and related biomedical sciences.
- Academic leadership and curriculum development.
- Research programme development and scientific publication.
- Supervision and mentorship of MPhil and PhD candidates.
- Development and coordination of postgraduate programmes in Haematology and Biomedical Sciences.
- Academic assessment, quality assurance and examination administration.
- Research collaboration with national and international institutions.

Research Scientist / Visiting Researcher

Fraunhofer Institute for Molecular Biology and Applied Ecology, Aachen, Germany 2010 – 2014.

Worked within the Pharmaceutical Product Development Department, contributing to research on recombinant antibodies and malaria vaccine-related technologies.

Research focused on the development of anti-malarial antibodies using plant-based expression systems, particularly *Nicotiana benthamiana*, with emphasis on the Plasmodium falciparum AMA1 antigen.

Contributed to international collaborative research involving molecular biology, biotechnology, immunology and malaria vaccine development.

Resident Medical Officer

Departments of Internal Medicine and Pathology, Komfo Anokye Teaching Hospital, Ghana
2003 – 2008.

Undertook clinical responsibilities and professional development in internal medicine and pathology.

House Officer

Komfo Anokye Teaching Hospital, Ghana
2002 – 2003.

Completed housemanship following medical training.

5. UNIVERSITY LEADERSHIP AND ADMINISTRATIVE EXPERIENCE

Professor Addai-Mensah has held several senior administrative positions at KNUST, demonstrating extensive experience in institutional governance, academic management and organisational leadership.

Selected appointments

Position	Institution	Period
Vice Dean, Faculty of Allied Health Sciences	KNUST	November 2026–Present
Head, Department of Medical Diagnostics	KNUST	November 2026–Present
Dean, Faculty of Allied Health Sciences	KNUST	August 2017–July 2018
Vice Dean of Students	KNUST	2019–2022
Deputy Director, Student Affairs (Conduct and Discipline)	KNUST	2022–2023
Head, Department of Medical Laboratory Technology	KNUST	August 2015–July 2019
Head, Department of Medical Diagnostics	KNUST	August 2019–July 2020

Selected institutional contributions

- Played a leading role in developing and strengthening postgraduate education in Haematology through the introduction of MPhil and PhD programmes.
- Supported the elevation of the Dean of Students' Office to a Director-level structure equivalent to a Provost.
- Established regular engagement between university management and student leaders through monthly meetings with student representatives.
- Led initiatives to strengthen student welfare, institutional discipline and stakeholder engagement.
- Secured approximately US$18,000 in external sponsorship for departmental laboratory equipment, including microscopes, an ELISA reader and a spectrophotometer.
- Secured departmental transport infrastructure through successful institutional advocacy.
- Contributed to university-level strategic planning, academic governance and institutional development.

6. UNIVERSITY GOVERNANCE AND COMMITTEE EXPERIENCE

University-level governance

- Member, Governing Council, KNUST, August 2020–2022.
- Member, Academic Board, KNUST, 2020–2022.
- Member, College Board, College of Health Sciences.
- Member, Faculty Board, Faculty of Allied Health Sciences.
- Member, Development Committee, KNUST.
- Member, KNUST Charter Review Committee.
- Member, KNUST Teaching Hospital Implementation Committee.
- Member, Quality Assurance Committee, College of Health Sciences.
- Member, College of Health Sciences Strategic Plan Committee.
- Member, Dean of Students Board, KNUST.

Committee chairmanship

- Chairman, University Council Committee evaluating the Registrar's application for reappointment, 2021.
- Chairman, University Council Committee evaluating the Director of Works' application for reappointment, 2022.
- Chairman, Students' Guide Review Committee, 2022.
- Chairman, Faculty Peer Review Assessment Committee, Faculty of Allied Health Sciences.
- Chairman, Peer Review Committee, Department of Supply Chain and Information Systems, KNUST School of Business.
- Chairman, FAHS Space Allocation Committee.
- Chairman, Curriculum Review Committee for Diploma Programmes.
- Chairman, Dean of Students Ad-Hoc Committee.
- Chairman, Selection Committee for admission into the PhD Haematology Programme.

National institutional governance

- Member, Governing Board, Nursing and Midwifery Council of Ghana, 2018–December 2022.
- Member, Governing Board, Komfo Anokye Teaching Hospital, December 2022–May 2025.
- Member, Governing Board, KNUST Bottling Company Ltd, 2021–2022.

- Member, Governing Board, Ghana Universities Staff Superannuation Scheme (GUSSS), 2019.
- Member, Technical and Planning Committee, Komfo Anokye Teaching Hospital Governing Board.
- Member, Governing Council, KNUST, 2020–2022.

7. NATIONAL, PROFESSIONAL AND ASSOCIATION LEADERSHIP

University Teachers Association of Ghana (UTAG)

- President, UTAG KNUST Branch, 2020–2022.
- National Vice President, UTAG, 2019–2021.
- Vice President, UTAG KNUST Branch, 2019-2021

Ghana Medical Association (GMA)

- National Executive Council member. 2004
- Secretary, Ashanti Division, 2006.
- Member since 2002.

Junior Doctors Association of Ghana

- National Spokesperson, 2004.

8. RESEARCH AND SCHOLARLY INTERESTS

His research programme encompasses:

1. Haematology and laboratory medicine.
2. Clinical and cellular immunology.
3. Malaria immunopathogenesis and immuno-epidemiology.
4. Infectious diseases and host immune responses.
5. Haemostasis, coagulation and thrombosis.
6. Sickle cell disease and haemoglobinopathies.
7. Maternal health, pregnancy complications and pre-eclampsia.
8. Biomedical biomarkers and diagnostic research.
9. Recombinant antibodies and biotechnology.
10. Public health and global health research.

His research has particularly contributed to understanding the interaction between malaria, immune responses, haematological abnormalities, coagulation and disease outcomes in African populations.

9. POSTGRADUATE EDUCATION AND RESEARCH SUPERVISION

Professor Addai-Mensah has extensive experience in postgraduate teaching, supervision, mentorship and research programme development.

He has been instrumental in developing and sustaining MPhil and PhD programmes in Haematology at KNUST.

PhD supervision

Selected doctoral candidates and completed research:

- David Sackey – Serum erythropoietin and C-reactive protein as surrogate markers for malaria morbidity and mortality, 2017.
- Edward Yaw Afriyie – Chronic organophosphate pesticide exposure among cocoa farmers, focusing on red cell abnormalities and oxidative stress biomarkers, 2022.
- Richard Vikpebah Duneeh – Haematological and serum cytokine profiles in breast cancer patients, 2022.
- Francis Agyei Amponsah – G6PD activity and microRNA levels among Ghanaian children with malarial anaemia, 2022.
- Veronica Agyemang – Prenatal lead exposure, anaemia and delta-aminolevulinic acid dehydratase polymorphisms, 2022.

MPhil supervision

Selected completed postgraduate research projects include:

- Genotypic diversity of the *Pfhrp2* gene in Ghanaian Plasmodium falciparum isolates.
- Malaria-related changes in iron status and haematological parameters among children.
- Antithrombin III, Protein C, Protein S and D-dimer in childhood acute lymphoblastic leukaemia.
- Placental malaria and foetal haemoglobin in hypertensive disorders of pregnancy.
- Haematological and biochemical reference intervals across different ecological zones of Ghana.

- Haemoglobin variants, oxidative stress and foeto-maternal outcomes in pre-eclampsia.
- Fetal Rhesus D genotyping from maternal plasma.
- Differential assessment of iron deficiency and alpha-thalassaemia.
- Von Willebrand disease and bleeding episodes among female students.
- Coagulation abnormalities in diabetes mellitus.
- Haemostatic changes associated with hormonal contraceptive use.