

Personal Information

Surname: Addai-Mensah

Other Names: Otchere

Date of Birth: 6th March 1975

Place of Birth: Kumasi

Gender: Male

Nationality: Ghanaian

Religion: Christianity (Penteco-charismatic)

Marital Status: Married

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PubMed (NLM): <https://pubmed.ncbi.nlm.nih.gov/?term=Addai-Mensah%20O&sort=date>

Google Scholar: https://scholar.google.com/citations?user=P_Tq4gIAAAAJ&hl=en&oi=sra

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=36467917500>

H-index: 21

ResearchGate: https://www.researchgate.net/profile/Otchere-Addai-Mensah?ev=hdr_xprf

Academic Degrees Earned and Institutions attended with Dates

1. PhD Biology (Immunology and Biotechnology) - RWTH Aachen University, Germany 2014.
2. Completed the taught component of the EMBA program in strategic Management at KNUST in 2009.
3. MSc. Biomedical Sciences (Haematology) - University of Westminster, United Kingdom - 2005.
4. BSc. Human Biology, MBChB – Kwame Nkrumah University of Science and Technology, Ghana - 1999, 2002.
5. General Certificate of Examination - Prempeh College -1994

Employment History

1. Chief Executive Officer, Komfo Anokye Teaching Hospital, Kumasi - 2022-2025.
2. Ag. Executive Director, Ghana Standards Authority - March 2017.
3. Research Scientist, Fraunhofer Institute for Molecular Biology and Applied Ecology, Aachen-Germany - 2010-2013.
4. Lecturer, Department of Medical Laboratory Technology- College of Health Sciences, KNUST - 2008-Date.
5. Medical Officer in-Charge, ABA Hospital-Tarkwa - 2004.
6. Resident, Departments of Medicine and Pathology- Komfo Anokye Teaching Hospital - 2003-2008.
7. House Officer, Komfo Anokye Teaching Hospital - 2002-2003.
8. National Service Person, Prempeh College. - 1994.

University Teaching Appointments (Ranks)

1. Associate Professor, Department of Medical Diagnostics - 1st August 2020 – Date.
2. Senior Lecturer Department of Medical Diagnostics - 1st August 2016 - 31st July 2020.
3. Lecturer Department of Medical Laboratory Technology - 14th February 2008.

National Executive Management Positions Held

1. Chief Executive Officer, Komfo Anokye Teaching Hospital - 2022-2025 (the hospital is the second largest teaching hospital in Ghana with a patient turnover of over three hundred and eighty thousand (380,000) per annum, seeing an average of one thousand five hundred (1500) patients daily. It has a staff strength of over six thousand (6000) and has an annual budget of over six hundred and eighty million cedis (GHC 680,000,000.00)

2. Ag. Executive Director, Ghana Standards Authority - March 2017.

Leadership of Associations Outside KNUST

1. National Vice President, University Teachers Association of Ghana (UTAG) - 2019-2021.
2. Secretary, Ghana Medical Association, Ashanti Division - 2006-2007.
3. National Spokesperson, Junior Doctors Association, Ghana - 2003-2004.
4. Member, Negotiations Committee Ghana Medical Association - 2003-2004.

Leadership of Associations in KNUST

1. President, University Teachers Association of Ghana, KNUST Branch - 2021-2022
2. Vice President, University Teachers Association of Ghana, KNUST Branch - 2019-2021.
3. Executive Member, University Teachers' Association of Ghana-KNUST Branch - 2017-2019.

University Administrative Positions Held

1. Deputy Director of Student Affairs (Conduct and Discipline), Directorate of Student Affairs - 2022-2023.
2. Vice Dean of Students, KNUST - 2019 – 2022.
3. Head, Department of Medical Diagnostics - August 2019-July 2020.
4. Head, Department of Medical Laboratory Technology August - 2018-July 2019.
5. Dean, Faculty of Allied Health Sciences KNUST - August 2017- July 2018
6. Head, Department of Medical Laboratory Technology August - 2016-July 2017.
7. Head, Department of Medical Laboratory Technology - August 2015-July 2016.
8. Chief Invigilator (Deputy Faculty Exams Officer), Faculty of Allied Health Sciences - 2009-2010.

Chairmanship of University Committees

1. Chairman, Junior Members' Disciplinary Committee - 2026
2. Chairman, University Council's Committee to Evaluate the Director of Works' Application for Reappointment - June 2022
3. Chairman, Students' Guide Review Committee - 2022.
4. Chairman, Peer Review Committee, Department of Supply Chain and Information Systems, School of Business - June 2022.
5. Chairman, Selection of Candidates for Admission to the PhD Haematology Programme for 2021/2022 Academic Year - January 2022.

6. Chairman, Dean of Students Ad-Hoc Committee - March 2022.
7. Chairman, Faculty Peer Review Assessment, FAHS-College of Health Sciences - March 2022.
8. Chairman, Parallel Session, College of Health Sciences 9th Biennial Scientific Session - 2021.
9. Chairman, University Council's Committee to Evaluate the Registrar's Application for Reappointment, KNUST - September 2021.
10. Chairman, FAHS Space Allocation Committee - 2021.
11. Chairman, Committee to investigate the Alleged removal of Hijab of a student by a lecturer - September 2019.
12. Chairman, Faculty of Allied Health Sciences Strategic Plan Committee - Nov 2018.
13. Chairman, Postgraduate Admission Committee, Department of Medical Laboratory technology - 2018.
14. Chairman, Curriculum Review Committee for Diploma Programs - March 2018.
15. Chairman Faculty Board, Faculty of Allied Health Sciences - 2017

Membership of University Committees

1. Member Faculty Board Faculty of Allied Health Sciences - 2025
2. Member, KNUST Teaching Hospital Implementation Committee - April 2023
3. Member, Search Committee for the evaluation of application by Provost of College of Art and Built Environment for reappointment - 2022.
4. Member, KNUST Council Charter Review Committee - June 2022.
5. Member, Search Committee for Provost College of Engineering - 2022.
6. Member, Review Committee for Proposal to Separate the School of Medicine and Dentistry into School of Medical Sciences and Dental School - June 2022
7. Member, Search Committee for the evaluation of application by Provost of Colleges of Science - 2022.
8. Member, Local Organising Committee, 2022 Ghana Universities Sports Association Games.
9. Member College Board, College of Health Sciences - 2021-2022
10. Member Development Committee, KNUST - 2021-2022
11. Member, Search Committee for Director, Institute of Distance Learning - 2021.
12. Member, College of Health Sciences Mentorship Team - July 2021 – Present.
13. Member, College of Health Sciences Committee to review restoration of Departments of Medical Laboratory Technology and Medical Imaging - July 2021

14. Member, Academic Board - 2020-2022.
15. Member, Committee for Evaluation of Halls of Residence's Environmental ranking reports - March 2020.
16. Member, Dean of Students Board - 2019-2022
17. Member, University Outreach Team to Nigeria - March 2018.
18. Member, Committee to draft MOU on academic collaboration with the College of Health Sciences -University of Kwazulu-Natal 2018
19. Member, Affiliations Committee - 2017-2018.
20. Member, College of Health Sciences Strategic Plan Committee - October 2017
21. Member Committee on Feedback from Industries on the Performance of KNUST Graduates - Nov 2016.
22. Member, Quality Assurance Committee, College of Health Sciences KNUST - October 2016.

Chairmanship of Committees outside KNUST (National/International)

1. Leader and Visioneer, Asantehene's Heal Komfo Anokye Teaching Hospital Project (HEKAP) - Nov 2023-May 2025
2. Chairman, Management Committee, Komfo Anokye Teaching Hospital - 2022-2025
3. Chairman, Monitoring Committee of the 2022 Ghana Universities Sports Association Games
4. Chairman, Accreditation team from National Accreditation Board to assess Diploma and BSc Medical Laboratory Science programs at Royal Ann College of Health for accreditation, Kumasi - 2020.
5. Chairman Ministry of Health Team for Diploma upgrade Examinations - 2018
6. Chairman Finance and General Purposes Committee, Nursing and Midwifery Council, Ghana - 2018-2022
7. Supervisor, Ghana Nursing/Midwifery Training Institutions in Examinations - May 2018

Membership of Committees/Boards outside KNUST (National/International)

1. Member, Sector Budget Committee Ministry of Health - 2023-2025
2. Member, Governing Board of The Komfo Anokye Teaching Hospital - 2022-April 2025.
3. Member, Technical and Planning Committee of The Komfo Anokye Teaching Hospital - 2022-2025.
4. Member, Governing Board of KNUST Bottling Company Ltd - 2021- 2022.

5. Member, Governing Council, KNUST - 2020 –2022.
6. Member, Development Committee of the KNUST Council - 2020-2022.
7. Member, Governing Board of the Ghana Universities Staff Superannuation Scheme (GUSSS) - 2019-2021.
8. Member, Governing Board, Nursing and Midwifery Council - 2018 –2022.
9. Moderator, BSc Medical Laboratory Technology program at Narh-Bita College Tema - 2018- 2020.
10. Moderator, BSc Medical Laboratory Technology program at Medicare College of Applied Sciences Kumasi - 2018- 2020.
11. Member, Planning Committee of AFRINEAD (African Network for Evidence-to- Action in Disability) International Conference 2018.
12. Member, Committee for the update of the MOU between KNUST and the Ministry of Health Ghana, for the affiliation of health training institutions 2018.
13. Moderator, Dip Medical Laboratory Technology program at Medicare College Tema - 2016- 2018.

Visiting Scholar Roles

1. Visiting Scholar, Center for Applied Biology Research, University of Energy and Natural Resources Sunyani, Ghana - 2025-Date.
2. Visiting Research Scientist, Fraunhofer Institute for Molecular Biology and Applied Ecology, Aachen Germany - 2010-Date

External Assessor/Examiner Roles

1. External Assessor, University of Kwazulu-Natal Republic of South Africa – 2026
2. External Assessor, University of Energy and National Resources, Ghana- 2020-2022.
3. External Examiner, University of Energy and National Resources, Ghana- 2019-2022.
4. External Examiner, University of Ghana - 2017-Date.
5. External Examiner, University for Development Studies, Ghana - 2016-2017.

Reviewer Roles (Journals and Grants)

1. Reviewer, South Asian Journal of Parasitology - 2025-2026.
2. Reviewer, 7th KNUST Research Fund (KREF) Applications - March 2022.
3. Reviewer, 4th KNUST Research Fund (KREF) Applications - March 2019.
4. Reviewer, PlosOne Journal - 2018-2022.
5. Reviewer Biomed Research International - 2018-Date.
6. PhD Internal Examiner, KNUST- April 2018.
7. Reviewer, Journal of Infectious Diseases and Epidemiology - 2016-Date.
8. Reviewer, International Blood Research and Reviews - 2016-Date.

Awards, Honours, Fellowships and Scholarships

1. Outstanding CEO of the Year 2024 at CenBa Business Excellence Awards.
2. Best House Officer, Komfo Anokye Teaching Hospital 2003.
3. Best Student Internal Medicine School of Medical Sciences, KNUST - 2002
4. Best Student Neurology School of Medical Sciences KNUST - 2002
5. Best Student, Junior and Senior Clerkships in Medicine, School of Medical Sciences, KNUST- 2002

Leadership Training Workshops Attended

1. Strategic Dialogue workshop by the World Health Organization for Ministry of Health Heads of Agencies - 2024.
2. Budgeting and Financial oversight training for Heads of Agencies in the Ministry of Health - 2023.
3. Training on Fixed assets register for Principal Spending officers in the Ministry of Health January - 2023.
4. Health Sector Working Group management training - April 2023.
5. Capacity Building workshop on programme-based budgeting by the Ministry of Health Ghana - August 2023.
6. Leadership training and orientation for newly appointed Deans and Heads of Department organised by the Registrar's office, KNUST - 2015, 2016, 2017, 2018 2019.

Some Achievements as CEO of The Komfo Anokye Teaching Hospital

1. Initiated, launched and led the Heal Komfo Anokye Project (HeKAP) to modernize facilities at the Hospital. A total of about four million dollars (USD 4 million) was raised for the Heal Komfo Anokye Project HeKAP, which saw to the modernization of the wards into a state comparable to any hospital anywhere in the world.
2. Internally Generated Funds grew from GHC 115.8 m in 2023 → GHC 222.6 m in 2024 through improved financial discipline and revenue mobilisation.
3. Expanded the Dialysis Unit of the Hospital from 2 dialysis machines at the beginning of my tenure to 20 at the end of my tenure of 28 months (2 → 20 machines).
4. Initiated the construction of a new Pharmacy Block at a cost of USD 43 million solely from Internally Generated Funds.
5. Digitization of staff health benefits; improved Electronic Medical Records usage; operational restructuring for administrative oversight was done.
6. Began major renovations and facelifts of wards, the OPD, Psychiatry and Physiotherapy Departments.

7. Improved staff morale and hospital image through welfare reforms.
8. Increased staff medical allowance, created weekend supervision for directors and deputy directors of the Hospital that ensured executive presence on weekends and on holidays; strengthened professional development culture.
9. Created a 'chronic-patient' medicine delivery system (via Ghana Post) which led to an enhanced outpatient services and improved waiting-time management.
10. Abolished the payment of fees for the use of the public places of convenience

Some Achievements as Vice Dean of Students and Deputy Director Student Affairs

1. Instituted the monthly meetings with Student MPs and student leaders. This meeting was "agendaless" and afforded the student leaders the opportunity to vent out their issues to the university management without restriction. This to a very large extent curbed student uprisings resulting from their misgivings.
2. Played a crucial role in the upgrading the office of the Dean of Students to a Director level equivalent to a Provost and defended same at the level of the University Council.

Some Achievements as Head of Department

1. Pushed for, and secured a bus for the department for the very first time in 2016.
2. Got private sponsorship to the tune of USD18,000 to secure microscopes, an Elisa Reader and a spectrophotometer for the department at no cost to the University.
3. Spearheaded and introduced both the MPhil and PhD programs in Haematology which have been running for the past 11 years.

Postgraduate Students Supervised

PhD (5)

1. David Sackey (University for Development Studies) Serum Erythropoietin and C-reactive protein as Surrogate Markers for Malaria Morbidity and Mortality - 2017
2. 20876739 Edward Yaw Afriyie; Effects of Chronic Organophosphate Pesticide Exposure Among Cocoa Farmers in Ghana; Focus on Red Cell Abnormalities and Oxidative Stress Biomarkers - 2022
3. 20876619 Richard Vikpebah Duneeh; The Interplay of Haematological and Serum Cytokine Profiles in Breast Cancer Patients At The Cape Coast Teaching Hospital. - 2022
4. 20876360 Francis Agyei Amponsah; The Interplay Between Glucose-6-Phosphate Dehydrogenase Activity and MicroRNA Levels Among Ghanaian Children with Malarial Anaemia - 2022

5. 20837162 Veronica Agyemang; Prenatal Lead Exposure And Anaemia; The Contribution Of Delta Aminolevulinic Acid Dehydratase Polymorphisms On Cord And Peripheral Blood Lead Levels In The Middle Belt Of Ghana - 2022

MPhil (18)

1. 1705117 Mark Noagbe Genotypic Diversity of The *Pfhrp2* Gene In Plasmodium Falciparum Isolates From Ghana And Its Impact On Haematological Parameters August,
2. 5102018 Mary Koryoe Tetteh Malaria Related Changes in Iron Status And Haematological Parameters Among Children In A Malaria Endemic Population
3. 5101718 William Osei-Owusu Antithrombin Iii Protein S, Protein C And D-Dimer as Markers of Hypercoagulability In Childhood Acute Lymphoblastic Leukaemia
4. 5101218 Samira Daud Placental Malaria and Fetal Haemoglobin (Hbf) in The Pathogenesis of Hypertensive Disorders of Pregnancy.
5. 5100918 Gabriel Abbam Variations in Locally Established Haematological And Biochemical Reference Intervals In Different Eco-Geographical Zones Of Ghana.
6. 5101418 Ganiwu Abdul Effect of Haemoglobin Variants and Oxidative Stress in Feto-Maternal Outcome In Pre-Eclampsia.
7. 7279516 Edward Yaw Afriyie Fetal Rhesus D Genotyping from Maternal Plasma of Rhesus D Negative Antenatal Population at the Komfo Anokye Teaching Hospital, Ghana.
8. 1705417 Lucy Bawine Differential Assessment Between Iron Deficiency and Alpha Thalassaemia Among Microcytic Hypochromic Anaemia Individuals in The Upper East Region of Ghana.
9. 1704517 Elizabeth Abban Bleeding Episodes and Von Willebrand Disease in Female Students. A Study in Two Selected Tertiary Institutions in Ashanti Region, Ghana.
10. 1704617 Machenry Adade Ansong The Impact of Hypertension on The Plasma Levels of Von Willebrand Factor.
11. 5101518 Isaac Kporha Oxidative Stress Markers as Predictors of Disease Severity in Sickle Cell Disease Children in Ledzokuku Municipality-Teshie, Accra.
12. 1704917 Charles Angnataa Derigubah Plasma Levels of Plasminogen Activator Inhibitor-1 Among HIV Infected Patients as A Risk for Developing Thrombosis.
13. 8499419 Selina Mintaah Assessment of Plasma Levels of Coagulation Parameters and Their Natural Inhibitors as Potential Predictive Markers of Pre-Eclampsia in Kumasi, Ghana.

14. 8499619 Peter Kuugemah Selleh Quality of Glycaemic Control in Type 2 Diabetes Mellitus and Its Association with Markers of Coagulation and Inhibitors of Fibrinolysis In The Upper West Region of Ghana.
15. 1705617 Maxwell Akonde Distribution of ABO and Rhesus Blood Group Antigens Among Couples with Spontaneous Abortion in Ghana.
16. 1705317 Mary Dufie Oduro Haemostatic Changes on The Use of Hormonal Contraceptives Among Ghanaian Women.

Some Recent Publications

2025

1. Amponsah Francis Agyei, **Addai-Mensah Otchere**, Antwi Boateng Lilian, Sackey Benedict, Duneeh Richard Vikpebah, Acheampong, Isaac, Adoba, Prince, Awi, Diana Venunye Ama, Afriyie, Edward Yaw Boateng, Richard Anokye, Abrafi Ayerakwa, Agyemang Veronica, Doe, Samuel Kofi, Appiah, Samuel Kwasi, Serum Anti-Erythropoietin Autoantibodies and Their Association With Younger Age in Paediatric Malaria Cases, *BioMed Research International*, 2025, 8845434, 8 pages, 2025. <https://doi.org/10.1155/bmri/8845434>

2024

1. Richard Vikpebah Duneeh, Wina Ivy Ofori Boadu, Lois Tekutey Narh, Joseph Frimpong, Abdul-Wahab Mawuko, John Gameli Deku, Kofi Mensah, Charles Nkansah, Samuel Kwasi Appiah, Felix Osei Boakye, Enoch Odame Anto, Lilian Antwi Boateng, Benedict Sackey & **Otchere Addai-Mensah** (2024): Anaemia during pregnancy: a cross-sectional study of antenatal attendants at the Madina Pentecost Hospital, La Nkwantanang Municipality, Ghana, *Cogent Public Health* 11:1, DOI: 10.1080/27707571.2024.2353776

2023

1. Derigubah CA, Nkansah C, Mensah K, Appiah SK, Osei-Boakye F, Odame E, Owusu M, Serwaa D, Hubert MA, Bani SB, Kuugbee E, Issahaku RG, Debrah AY, **Addai-Mensah O**. Plasma levels of fibrinolytic and coagulation biomarkers in HIV-infected individuals on highly active antiretroviral therapy: A case-control study in a Northern Ghanaian population. *Health Sci Rep*. 2023 Jul 21;6(7):e1436. doi: 10.1002/hsr2.1436. PMID: 37484058; PMCID: PMC10360046.
2. Mintaah S, Anto EO, Boadu WIO, Sackey B, Boateng LA, Ansah E, Korsah EE, Frimpong J, Tamakloe VCKT, Selleh PK, Afrifa DA, Saasi AR, Senu E, Duah LA, Opoku S, Amoah JP, Adu P, Boachie J, Nyamekye DA, Sackey DS, Wiafe YA, **Addai-Mensah O**. Coagulation Factors and Natural Anticoagulants as Surrogate Markers of

- Preeclampsia and Its Subtypes: A Case-Control Study in a Ghanaian Population. *Clin Appl Thromb Hemost.* 2023 Jan-Dec;29:10760296231204604. doi: 10.1177/10760296231204604. PMID: 37787124; PMCID: PMC10548802.
3. Selleh PK, Anto EO, Boadu WIO, Sackey B, Boateng LA, Nkansah C, Nsafoah F, Saasi AR, Mintaah S, Wiafe YA, Derigubah C, Korsah EE, Frimpong J, Ansah E, Tamakloe VCKT, Adu P, Boachie J, **Addai-Mensah O**. Quality of glycemetic control in type 2 diabetes mellitus (T2DM) and its association with markers of coagulation and inhibitors of fibrinolysis: A case-control study in the Upper West Region, Ghana. *Health Sci Rep.* 2023 Jun 7;6(6):e1297. doi: 10.1002/hsr2.1297. PMID: 37292102; PMCID: PMC10246457.
 4. Abdul G, Osei-Wusu W, Asare GA, Daud S, Opoku S, Tamakloe VCKT, Frimpong J, Sackey B, Boadu WIO, Paintsil V, Annani-Akollor ME, Wiafe YA, Anto EO, **Addai-Mensah O**. Biomarkers of oxidative stress and its nexus with haemoglobin variants and adverse foeto-maternal outcome among women with preeclampsia in a Ghanaian population: A multi-centre prospective study. *PLoS One.* 2023 Mar 30;18(3):e0283638. doi: 10.1371/journal.pone.0283638. PMID: 36996011; PMCID: PMC10062654.
 5. Anto EO, Ofori Boadu WI, **Addai-Mensah O**, Wiafe YA, Owiredu WK, Obirikorang C, Annani-Akollor ME, Adua E, Appiah M, Opoku S, Acheampong E, Asamoah EA, Owiredu EW, Odame Anto A, Tawiah A, Ankobea F, Afrifa Yamoah E, Coall DA. Association between micronutrients, oxidative stress biomarkers and angiogenic growth mediators in early and late-onset preeclamptic Ghanaian women. *SAGE Open Med.* 2023 Jun 6;11:20503121231175759. doi: 10.1177/20503121231175759. PMID: 37324117; PMCID: PMC10262612.
 6. Anto EO, Ofori Boadu WI, **Addai-Mensah O**, Wiafe YA, Owiredu WK, Obirikorang C, Annani-Akollor ME, Adua E, Appiah M, Opoku S, Acheampong E, Asamoah EA, Owiredu EW, Odame Anto A, Tawiah A, Ankobea F, Afrifa Yamoah E, Coall DA. Association between micronutrients, oxidative stress biomarkers and angiogenic growth mediators in early and late-onset preeclamptic Ghanaian women. *SAGE Open Med.* 2023 Jun 6;11:20503121231175759. doi: 10.1177/20503121231175759. PMID: 37324117; PMCID: PMC10262612.

2022

1. A.G. Owusu-Poku, D. Gyamfi, E. Togbe, S. Opoku, R.K.D. Ephraim, J.G. Asibey, B. Sackey, W.I.O. Boadu, M.E. Annani-Akollor, E.O. Anto, **O. Addai-Mensah**. Interplay between foetal haemoglobin, micronutrients and oxidative stress biomarkers in sickle

cell anaemia children, *Human Nutrition & Metabolism* (2022), doi: <https://doi.org/10.1016/j.hnm.2022.200173>.

2. Ahadzie-Sogle A, **Addai-Mensah O**, Abaka-Yawson A, Setroame AM, Kwadzokpui PK. Prevalence and risk factors of malaria and anaemia and the impact of preventive methods among pregnant women: A case study at the Akatsi South District in Ghana. *PLoS One*. 2022 Jul 25;17(7):e0271211. doi: 10.1371/journal.pone.0271211. PMID: 35877761.
3. Anto EO, Ofori Boadu WI, Opoku S, Senu E, Tamakloe VCKT, Tawiah A, Ankobea F, Acheampong E, Anto AO, Appiah M, Wiafe YA, Annani-Akollor ME, Obirikorang C and **Addai-Mensah O (2022)**. Prevalence and Risk Factors of Preterm Birth Among Pregnant Women Admitted at the Labor Ward of the Komfo Anokye Teaching Hospital, Ghana. *Front. Glob. Womens Health* 3:801092. doi: 10.3389/fgwh.2022.801092
4. Anto EO, Coall DA, Asiamah EA, Afriyie OO, **Addai-Mensah O**, Wiafe YA, Owiredu W, Obirikorang C, Annani-Akollor ME, Titiloye NA, Adua E, Acheampong E, Adu EA, Opoku S, Anto AO, Tawiah A, Wang Y, Wang W. Placental lesions and differential expression of pro-and anti-angiogenic growth mediators and oxidative DNA damage marker in placentae of Ghanaian suboptimal and optimal health status pregnant women who later developed preeclampsia. *PLoS One*. 2022 Mar 21;17(3):e0265717. doi: 10.1371/journal.pone.0265717. PMID: 35312727; PMCID: PMC8936490.
5. Anto EO, Frimpong J, Boadu WIO, Tamakloe VCKT, Hughes C, Acquah B, Acheampong E, Asamoah EA, Opoku S, Appiah M, Tawiah A, Annani-Akollor ME, Wiafe YA, **Addai-Mensah O** and Obirikorang C (2022). Prevalence of Cardiometabolic Syndrome and its Association With Body Shape Index and A Body Roundness Index Among Type 2 Diabetes Mellitus Patients: A Hospital-Based Cross-Sectional Study in a Ghanaian Population. *Front. Clin. Diabetes Healthc.* 2:807201. doi: 10.3389/fcdhc.2021.807201
6. Felix Osei-Boakye, **Otchere Addai-Mensah**, Michael Owusu, Abdul-Razak Saasi, Samuel Kwasi Appiah, Charles Nkansah, Yaw Amo Wiafe & Alexander Yaw Debrah (2022) Effect of pulmonary tuberculosis on natural anticoagulant activity in therapy-naïve Ghanaian adults; a case-control study, *Journal of Immunoassay and Immunochemistry*, DOI: [10.1080/15321819.2021.2001002](https://doi.org/10.1080/15321819.2021.2001002)
7. Anto EO, Coall DA, Asiamah EA, Afriyie OO, **Addai-Mensah O**, Wiafe YA, Owiredu W, Obirikorang C, Annani-Akollor ME, Titiloye NA, Adua E, Acheampong E, Adu EA, Opoku S, Anto AO, Tawiah A, Wang Y, Wang W. Placental lesions and differential expression of pro-and anti-angiogenic growth mediators and oxidative DNA damage

marker in placentae of Ghanaian suboptimal and optimal health status pregnant women who later developed preeclampsia. *PLoS One*. 2022 Mar 21;17(3):e0265717. doi: 10.1371/journal.pone.0265717. PMID: 35312727; PMCID: PMC8936490.

8. Anto EO, Frimpong J, Boadu WIO, Tamakloe VCKT, Hughes C, Acquah B, Acheampong E, Asamoah EA, Opoku S, Appiah M, Tawiah A, Annani-Akollor ME, Wiafe YA, **Addai-Mensah O**, Obirikorang C. Prevalence of Cardiometabolic Syndrome and its Association With Body Shape Index and A Body Roundness Index Among Type 2 Diabetes Mellitus Patients: A Hospital-Based Cross-Sectional Study in a Ghanaian Population. *Front Clin Diabetes Healthc*. 2022 Feb 9;2:807201. doi: 10.3389/fcdhc.2021.807201. PMID: 36994331; PMCID: PMC10012128.
9. Daud, Samira & Nkansah, Charles & Wiafe, Yaw & Amidu, Nafiu & Togbe, Eliezer & Duku-Takyi, Ruth & Abdul, Ganiwu & Agyemang, Lawrence & Annani-akollor, Max & Owiredo, Eddie-Williams & Adu-Gyamfi, Constance & Gyasi, Charles & Debrah, Alexander & Owiredo, William & Mensah, Kofi & Appiah, Samuel & Abbam, Gabriel & **Addai-Mensah, Otchere**. (2022). Placental Malaria and Hypertensive Disorders of Pregnancy: A Case-Control Study in a Teaching Hospital, Ghana.
10. Osei-Boakye, Felix & Wiafe, Yaw & Nkansah, Charles & Serwaa, Dorcas & Abdul-Razak, Saasi & Ganiwu, Abdul & Duku-Takyi, Ruth & Adu, Patrick & Derigubah, Charles & Appiah, Samuel & Mensah, Kofi & Antwi, Linda & Duneeh, Richard & **Addai-Mensah, Otchere**. (2022). Haematological Profile in Pre-Surgery Hernia Patients: A Case- Control Study in Ghana. *SciMedicine Journal*. 4. 1-12. 10.28991/SciMedJ-2022-0401-1.

2021

1. Anto, E.O., Coall, D.A., **Addai-Mensah, O**. *et al*. Early gestational profiling of oxidative stress and angiogenic growth mediators as predictive, preventive and personalised (3P) medical approach to identify suboptimal health pregnant mothers likely to develop preeclampsia. *EPMA Journal* (2021). <https://doi.org/10.1007/s13167-021-00258-x>
2. Osei-Owusu W, Ntiamoah DO, Akuffo GA, Mintaah S, Owusu M, Sackey B, Antwi-Boateng L, Abdul G, Annani-Akollor M, Owiredo EW, Debrah AY, **Addai-Mensah O**. Coagulation abnormalities in childhood acute lymphoblastic leukemia: assessing the impact of L-asparaginase therapy in Ghana. *Thromb J*. 2021 Jun 26;19(1):44. doi: 10.1186/s12959-021-00297-4. PMID: 34174899.
3. Tetteh M, **Addai-Mensah O**, Siedu Z, Kyei-Baafour E, Lamptey H, Williams J, Kupeh E, Egbi G, Kwayie AB, Abbam G, Afrifah DA, Debrah AY, Ofori MF. Acute Phase

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4. Nkansah C, **Addai-Mensah O**, Mensah K, Owusu M, Ephraim RKD, Adu P, Osei-Boakye F, Appiah SK, Serwaa D, Derigubah CA, Debrah AY. Plasminogen Activator Inhibitor-1 in poorly controlled vs well controlled Type-2 Diabetes Mellitus patients: A case-control study in a district hospital in Ghana. *PLoS One.* 2021 Apr 15;16(4): e0250090. doi: 10.1371/journal.pone.0250090. PMID: 33857223.
5. Tetteh M, **Addai-Mensah O**, Siedu Z, Kyei-Baafour E, Lamptey H, Williams J, Kupeh E, Egbi G, Kwayie AB, Abbam G, Afrifah DA, Debrah AY, Ofori MF. Acute Phase Responses Vary Between Children of HbAS and HbAA Genotypes During Plasmodium Falciparum Infection. *J Inflamm Res.* 2021;14:1415-1426 <https://doi.org/10.2147/JIR.S301465>
6. Abbam G, Tandoh S, Tetteh M, Afrifah DA, Annani-Akollor ME, Owiredo EW, Gyasi C, Adu-Gyamfi C, Sackey B, Debrah AY, **Addai-Mensah O**. Reference intervals for selected haematological and biochemical parameters among apparently healthy adults in different eco-geographical zones in Ghana. *PLoS One.* 2021 Jan 20;16(1): e0245585. doi: 10.1371/journal.pone.0245585. PMID: 33471853
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2. Morhe EKS, Anto EO, Coall DA, Adua E, Debrah AY, **Addai-Mensah O**, Owusu M, Owiredu WK, Obirikorang C, Asiamah EA, Acheampong E, Asamoah EA, Abradu L, Anto AO, Wang Y, Hou H, Wang W. SARS-CoV-2 updates in a West African population and precautionary measures for sustaining quality antenatal care delivery. *J Glob Health.* 2020 Dec;10(2):020365. doi: 10.7189/jogh.10.020365. PMID: 33110560; PMCID: PMC7567409.
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 4. Fondjo LA, **Addai-Mensah O**, Annani-Akollor ME, Quarshie JT, Boateng AA, Assafuah SE, Owiredu EW. A multicenter study of the prevalence and risk factors of malaria and anemia among pregnant women at first antenatal care visit in Ghana. *PLoS One.* 2020 Aug 21;15(8):e0238077. doi: 10.1371/journal.pone.0238077. PMID: 32822409; PMCID: PMC7444479.
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10. Morhe EKS, Anto EO, Coall DA, Adua E, Debrah AY, **Addai-Mensah O**, Owusu M, Owiredo WK, Obirikorang C, Asiamah EA, Acheampong E, Asamoah EA, Abradu L, Anto AO, Wang Y, Hou H, Wang W. SARS-CoV-2 updates in a West African population and precautionary measures for sustaining quality antenatal care delivery. J Glob Health. 2020 Dec;10(2):020365. doi: 10.7189/jogh.10.020365. PMID: 33110560; PMCID: PMC7567409.
11. Amidu, Nafiu & Antuamwine, Benedict & Awe Akilla, Martin & Kwame, William & Owiredo, Boakye & **Addai-Mensah, Otchere** & Dapare, Peter Paul & Mishio Bawa, Eric & Boakye, William & Owiredo, Ansa & Mishio, Eric. (2020). Leucocyte Differential Count and Pregnancy Induced Hypertension: Implication for Risk and Disease Assessment. American Journal of Laboratory Medicine. 5. 10.11648/j.ajlm.20200501.15.

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2. **Addai-Mensah O**, Annani-Akollor ME, Nsafoah FO, Fondjo LA, Owiredo EW, Danquah KO, Duneeh RV, Amponsah FA. Effect of poor glycaemic control on plasma levels and activity of protein C, protein S, and antithrombin III in type 2 diabetes mellitus. PLoS One. 2019 Sep 27;14(9):e0223171. doi: 10.1371/journal.pone.0223171. PMID: 31560710; PMCID: PMC6764655.
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 8. Frempong, Margaret & Ntiamoah, Paul & Annani-akollor, Max & Owiredu, William & **Addai-Mensah, Otchere** & Owiredu, Eddie-Williams & Adu-Gyasi, Dennis & Agyapong, Evans & Sallah, Lorraine. (2019). Hepatitis B and C infections in HIV-1 and non-HIV infected pregnant women in the Brong-Ahafo Region, Ghana. *PLOS ONE*. 14. e0219922. 10.1371/journal.pone.0219922.
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1. Abel A, Steeg C, Aminkiah F, **Addai-Mensah O**, Addo M, Gagliani N, Casar C, Yar DD, Owusu-Dabo E, Jacobs T, Mackroth MS. Differential expression pattern of co-inhibitory molecules on CD4⁺ T cells in uncomplicated versus complicated malaria. *Sci Rep*. 2018 Mar 19;8(1):4789. doi: 10.1038/s41598-018-22659-1. Erratum in: *Sci Rep*. 2018 Nov 29;8(1):17587. doi: 10.1038/s41598-018-36410-3. PMID: 29555909; PMCID: PMC5859076.
2. **Addai-Mensah O**, Annani-Akollor ME, Fondjo LA, Sarbeng K, Anto EO, Owiredo EW, Arthur SN. Regular Antenatal Attendance and Education Influence the Uptake of Intermittent Preventive Treatment of Malaria in Pregnancy: A Cross-Sectional Study at the University Hospital, Kumasi, Ghana. *J Trop Med*. 2018 Dec 4;2018:5019215. doi: 10.1155/2018/5019215. PMID: 30631370; PMCID: PMC6304560

2016

1. **Addai-Mensah O**, Seidel M, Amidu N, Maskus DJ, Kapelski S, Breuer G, Franken C, Owusu-Dabo E, Frempong M, Rakotozandrindrainy R, Schinkel H, Reimann A, Klockenbring T, Barth S, Fischer R, Fendel R. Acquired immune responses to three malaria vaccine candidates and their relationship to invasion inhibition in two populations naturally exposed to malaria. *Malar J*. 2016 Feb 5;15:65. doi: 10.1186/s12936-016-1112-1. PMID: 26850066; PMCID: PMC4743426.
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2015

1. Maskus DJ, Bethke S, Seidel M, Kapelski S, **Addai-Mensah O**, Boes A, Edgü G, Spiegel H, Reimann A, Fischer R, Barth S, Klockenbring T, Fendel R. Isolation, production and characterization of fully human monoclonal antibodies directed to Plasmodium falciparum MSP10. *Malar J*. 2015 Jul 16;14:276. doi: 10.1186/s12936-015-0797-x. PMID: 26174014; PMCID: PMC4502606.

2. Safety of family replacement donors vs. voluntary non-remunerated donors in Komfo Anokye teaching Hospital, Ghana: A comparative Study. **Otchere Addai-Mensah**, Prince Abu Bashiru, Elliot Dogbe *Journal of Medical and Biomedical Sciences* (2015) 4(1): 11-16

2013

1. Feller T, Thom P, Koch N, Spiegel H, **Addai-Mensah O**, Fischer R, Reimann A, Pradel G, Fendel R, Schillberg S, Scheuermayer M, Schinkel H. Plant-based production of recombinant Plasmodium surface protein pf38 and evaluation of its potential as a vaccine candidate. *PLoS One*. 2013 Nov 21;8(11):e79920. doi: 10.1371/journal.pone.0079920. PMID: 24278216; PMCID: PMC3836784.
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2011

1. Owiredu WK, Quaye L, Amidu N, Addai-Mensah O. Prevalence of anaemia and immunological markers among Ghanaian HAART-naïve HIV-patients and those on HAART. *Afr Health Sci*. 2011 Mar;11(1):2-15. PMID: 21572851; PMCID: PMC3092327.
2. W.K.B.A. Owiredu , N.K. Takyi , L.K.N. Okine , A.A. Sittie , N. Amidu , K.A. Boateng S. Antwi , K. Donkor **O. Addai-Mensah** Safety Evaluation of BF001, an Anti-diabetic Herbal Preparation in Sprague-Dawley Rats : *West African Journal of Pharmacy* (2011) 22 (1) 49 - 57

2010

1. Amidu N, Owiredu WK, Woode E, Addai-Mensah O, Gyasi-Sarpong KC, Alhassan A. Prevalence of male sexual dysfunction among Ghanaian populace: myth or reality? *Int J Impot Res*. 2010 Nov-Dec;22(6):337-42. doi: 10.1038/ijir.2010.24. Epub 2010 Oct 7. PMID: 20927122.
2. Amidu N, Owiredu WK, Woode E, Addai-Mensah O, Quaye L, Alhassan A, Tagoe EA. Incidence of sexual dysfunction: a prospective survey in Ghanaian females. *Reprod Biol Endocrinol*. 2010 Sep 1;8:106. doi: 10.1186/1477-7827-8-106. PMID: 20809943; PMCID: PMC2936896.
3. N Amidu, WBKA Owiredu, **O Addai-Mensah**, A Alhassan, L Quaye, B Batong Seroprevalence and Risk Factors for Human Immunodeficiency Virus, Hepatitis B and C Viruses Infections among Blood Donors at the Bolgatanga Regional Hospital in Bolgatanga, *Ghana Journal of the Ghana Science Association* Vol 12, No 1 (2010)

Conferences/Seminars and Workshops at Which Papers Were Read

1. Agyemang V., **Addai-Mensah O.**, Poku AK, et al. Association between Blood lead exposure and Anaemia in Pregnancy in the middle belt of Ghana UHAS annual Research Conference, 2025
2. Veronica Agyemang, Enoch Odame Anto, Kwaku Poku Asante, **Otchere Addai-Mensah** Prenatal Lead Exposure and Anaemia in Pregnancy: The Contribution of Delta Aminolevulinic Acid Dehydratase 1 and 2 Polymorphisms on Peripheral and Cord Blood Lead Levels in the Middle Belt of Ghana, 2nd Postgraduate Conference of the College of Health Sciences, 2024
3. Fendel R, Kapelski S, Maskus D, Seidel M, **Addai-Mensah O**, Reimann A, Fischer R, Klockenbring T, Barth S. Recombinant human anti- malarial monoclonal antibodies– a technology platform. In: 18th Malaria Meeting. Aachen, 08-09.11.2023. Düsseldorf: German Medical Science GMS Publishing House; 2023.
4. Duku-Takyi R., Owusu M.1, **Addai-Mensah O.**, Paintsil V., Opare-Sem O., Anto E.O., Epstein Barr-virus and Associated Haematological Changes in Lymphoma: A Case-control Study at the Komfo-Anokye Teaching Hospital. 9th Biennial Scientific Conference, Ghana; 29-30 September, 2021 [Abstract No. 9]. Parallel Session B1-Clinical Research.
5. Owusu-Poku A.G., **Addai-Mensah O.**, Gyamfi D., Togbe E., Ephraim R.K.D., Asibey J.G., Sackey B., Anto E.O. Interplay of Foetal Haemoglobin, Micronutrients and Oxidative Stress Markers in Sickle Cell Anaemia. 9th Biennial Scientific Conference, Ghana; 29-30 September, 2021 [Abstract No. 10]. Parallel Session B1-Clinical Research.
6. Kporha I., Opoku S., Kutu B., Togbe E, Anto E.O., Annani-Akollor M.E., Debrah A.Y., Wiafe Y.A., **Addai-Mensah O.** Oxidative Stress Markers as Predictors of Disease Severity in Sickle Cell Disease Children in Ghana. 9th Biennial Scientific Conference, Ghana; 29-30 September, 2021 [Abstract No. 37]. Parallel Session D2-Clinical Research and Public Health.
7. **Addai-Mensah O.**, Ofosu D.N., Anto E.O., Abban E. Prevalence of Bleeding Episodes and Von Willebrand Disease among Female Students in the Kumasi Metropolis, Ghana. 9th Biennial Scientific Conference, Ghana; 29-30 September,2021 [Poster No. 026].
8. Oduro, M. D., **Addai-Mensah, O.**, Togbe, E., Anto E.O. Haemostatic findings among Hormonal Contraceptive users in a Ghanaian Population. 9th Biennial Scientific Conference, Ghana; 29-30 September,2021 [Poster No. 030].

9. Asare G.A., Debrah A.Y., **Addai-Mensah O.**, Anto E.O., Opoku S., Boakye D.K., Owusu W.O., Ganiu A., Darko G.K., Eshun H., Wemegah I.S., Dzokoto M. Seasonal variation in Haematobiochemical Reference Ranges among Healthy adults in three Geographical Regions in Ghana. 9th Biennial Scientific Conference, Ghana; 29-30 September,2021 [Poster No. 032].
10. Boes A, Spiegel H, Beiss V, Edgü G, Schinkel H, Houdelet M, Schillberg S, Sack M, Rademacher T, Dahm P, Kastilan R, Buyel J, Holland T, Blessing D, Vöpel N, Hellwig S, Drossard J, Fendel R, Kapelski S, Maskus D, **Addai-Mensah O**, Seidel M, Barth S, Geese M, Reiss K, Wenzel C, Hügel C, Scholz O, Kostka G, Benz M, Haßlmeyer E, Münzenmayer C, Weigand C, Scheuermayer M, Pradel G, Remarque E, Faber B, Horstmann R, Tannich E, Fischer R, Reimann. **A Holistic approach to malaria elimination.** In: 11th Malaria Meeting. Aachen, 08.-09.11.2013. Düsseldorf: German Medical Science GMS Publishing House; 2013. Doc13mal01
11. Fendel Rolf, Klockenbring Torsten, Maskus Dominika, kapelski Stephanie, **Addai-Mensah, Otchere**, Seidel, Melanie, Reimann Andreas, Barth Stefan, Fischer Rainer. A technology platform to isolate, produce, and characterize recombinant human monoclonal antibodies. In: Molecular Parasitology Meeting XXV, Woods Hole, Massachusetts, 14-18.09.2014
12. MS Mackroth, A Abel, C Steeg, D Yar, **O Addai-Mensah**, EO Dabo, Distinct Expression pattern of Inhibitory Molecules on CD4⁺ T cells is associated with uncomplicated versus complicated Malaria. *American Journal of Tropical Medicine and Hygiene* 95 (5), 507-507
13. Distinct Expression Pattern of Inhibitory molecules on CD4⁺ cells is associated with uncomplicated versus complicated malaria. Maria S Mackroth, Annemieke Abel, Christiane Steeg, Denis Yar, **Otchere Addai-Mensah**, Ellis Owusu Dabo, Thomas Jacobs- American Society of Tropical Medicine and Hygiene (ASTMH), Atlanta, USA, November 2017.
14. Co-mediation of Erythrocyte Haemolysis by Plasma Membrane-Derived Extracellular Vesicles and Complement during Malaria Infection. R. Kyeremeh, S. Antwi-Baffour, M. E. Annani-Akollor, J. K Adjei, **O. Addai-Mensah**, M.T Frempong. The 8th College of Health Sciences and 12th Convention of Biomedical Research Kumasi, Ghana, July 2019.
15. Plasma Membrane-Derived Extracellular Vesicles from Malaria Infected Mice Induce Increased RBC Haemolysis in Non-Malaria Mice R. Kyeremeh, S. Antwi-Baffour, M.

- E. Annani-Akollor, **O. Addai-Mensah**, M.T Frempong. The 8th College of Health Sciences and 12th Convention of Biomedical Research Kumasi, Ghana, July 2019.
16. Effect of poor glycaemic control on plasma levels and activity of protein C, protein S, and antithrombin III in type 2 diabetes mellitus **O. Addai-Mensah**, M. E. Annani-Akollor, F. O. Nsafoah, L. A. Fondjo, E-W.Owiredu, K.O. Danquah, R.V. Duneeh, F. A. Amponsah. The 8th College of Health Sciences and 12th Convention of Biomedical Research Kumasi, Ghana, July 2019.
 17. Potential Fertility abilities of *Khaya senegalensis* stem bark extract on male wistar rats L. Sallah M. E. Ananni-Akollor, L. A. Fondjo, **O. Addai-Mensah**, B.M.Wireko. The 8th College of Health Sciences and 12th Convention of Biomedical Research Kumasi, Ghana, July 2019.
 18. Long-Term Effect of Antihypertensive Medication on Bone Mineral Density among Ghanaian Adults at Komfo Anokye Teaching Hospital. L. Sallah, M. E. Annani-Akollor, B. M. Duduyemi, N. A. Titiloye, **O. Addai-Mensah**, I. Boateng. The 8th College of Health Sciences and 12th Convention of Biomedical Research Kumasi, Ghana, July 2019.
 19. Sero-Prevalence of Hepatitis B and C Virus Co-Infections and Their Effect on Immuno-Virological Profile in Hiv-1 Positive Pregnant Women in the Brong-Ahafo Region, Ghana. M. T. Frempong, P. Ntiamoah, M. E. Annani-Akollor, W. K. B. A. Owiredu, **O. Addai-Mensah**, E.W. Owiredu, D. Adu-Gyasi, E. O. Agyapong, L. Sallah. The 8th College of Health Sciences and 12th Convention of Biomedical Research Kumasi, Ghana, July 2019.

Resource Mobilisation (Total USD 4,766,850.00)

1. Site Investigator for a **USD 278,850.00** Research Grant from MicrobiotiX Co., Ltd. involving the Kwame Nkrumah University of Science and Technology, the University of Ghana Medical Center, Korle-bu Teaching Hospital, Komfo Anokye Teaching Hospital and the West Africa Centre for Innovation, Research and Care – **2026**
2. Raised **USD 240,000.00** (GHC 2.6 million) from Ghana Gas for the expansion of the ENT building at KATH - **2024**
3. Led a team of 4 people to raise ~**USD 4 million** for the Heal Komfo Anokye Project (**HEKAP**), a project aimed at renovating the 70-year-old Komfo Anokye Teaching Hospital block which had never seen any major renovation. The Komfo Anokye Teaching Hospital is the primary site for the training of all students in the College of Health Sciences with the exception of Veterinary Medical Students - **2023-2025**

4. Raised **USD 30,000.00** from the business community in Kumasi to paint 12 residential blocks at the KATH - **2022-2025**
5. Raised **USD 18,000.00** from the business community in Kumasi for a multiheaded microscope with an ELISA Reader, 2 microscopes and a spectrophotometer for the Department of Medical Diagnostics. This has made student instruction in microscopy more engaging and some laboratory tests which hitherto couldn't be done in the department are now done - **2021**
6. German Government Funding for Malaria Immunology research at the Fraunhofer Institute for Molecular Biology and Applied Ecology Aachen Germany - **USD 200,000.00 - 2010-2015**

Professional Affiliations and Memberships

1. Fellow, Chartered Institute of Leadership and Governance, Ghana Chapter - 2023
2. International Society for Infectious Diseases - 2018
3. European Biotechnology Network - 2017
4. European Society for Clinical Microbiology and Infectious Diseases. - 2014
5. American Society for Microbiology - 2014
6. The Antibody Society - 2012
7. British Society for Immunology - 2011
8. University Teachers Association of Ghana - 2008
9. Ghana Medical Association - 2002