Daniel Amoako-Sakyi

Senior Lecturer · Microbiology
University of Cape Coast

ORCID 0000-0002-8028-188X · Google Scholar scholar.google.com/citations?user=MCp1xnwAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/adb164fd-5f19-4331-83c1-8e94def0f493

RESEARCH

Interests	Public Health Genomics · Infectious Diseases · Malariology · Immunogenetics
Areas	Public Health, Environmental and Occupational Health · Epidemiology · Immunology · Economics and Econometrics · Molecular Biology · Infectious Diseases

RESEARCH SUMMARY

35	525	12	14	1.72	15%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 35 publications listed below, 2009–2026. Field-weighted impact is the mean over the 27 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 27 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer 2008–present
Department Microbiology and Immunology, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Ph.D.
School of Public Health, University of Ghana, Accra, Ghana

PUBLICATIONS

Journal articles 31

1. Osman Adams, Chia-Lin Wang, Edmund Chattoe-Brown, Heather Hamill, Katherine Hampshire, Simon Mariwah, **Daniel Amoako-Sakyi**, Fiifi Amoako Johnson, Graeme J. Ackland (2026). An empirical network study of the antimalarial supply chain in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0346689
2. Fanqi Zeng, Simon Mariwah, Gerry Mshana, **Daniel Amoako-Sakyi**, Heather Hamill (2026). The urgent need for African research collaboration on medicine quality. *Nature Communications*. https://doi.org/10.1038/s41467-025-67430-z
3. Emmanuel Nortey, Leonard Derkyi-Kwarteng, **Daniel Amoako-Sakyi**, Ansumana Sandy Bockarie, Samuel Yeboah, Samuel Acquah (2025). Galectin-3 did not associate with malaria-related insulin resistance in diabetic and non-diabetic respondents at a Ghanaian General Hospital. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0330068
4. Kate Hampshire, Heather Hamill, Simon Mariwah, Samuel Asiedu Owusu, **Daniel Amoako-Sakyi**, Gerry Mshana (2025). Medicines in motion: An ethnographic exploration of the informal cross-border pharmaceutical trade in Africa. *Social Science & Medicine*. https://doi.org/10.1016/j.socscimed.2025.118327
5. R. Osei Saahene, P. Barnes, A. Mensah, L. Derkyi-Kwarteng, E. Adankwah, E. Agbo, E.S. Yahaya, P.K. Akakpo, F. Pappoe, K. Dankwa, **D. Amoako-Sakyi**, S.V. Nuvor, D. Obiri-Yeboah (2024). Clinical Validation of Nuclear Factor Kappa B (p65) Among Head and Neck Cancer Patients at One Institution. *International*

*Journal of Radiation Oncology*Biology*Physics*. https://doi.org/10.1016/j.ijrobp.2024.01.072

6. Faustina Pappoe, Abraham Mensah, Leonard Derkyi-Kwarteng, Ernest Adankwa, Elvis Agbo, Ewura Seidu Yahaya, Benjamin Amoani, George Adjei, Samuel Mingyigilougu Apewe Ka-Chungu, Patrick Kafui Akakpo, Faustina Halm-Lai, Kwabena Dankwa, **Daniel Amoako-Sakyi**, Samuel Victor Nuvor, Dorcas Obiri-Yeboah, Roland Osei Saahene (2024). Prognostic Significance of Nuclear Factor Kappa B (p65) among Breast Cancer Patients in Cape Coast Teaching Hospital. *Medical Principles and Practice*. https://doi.org/10.1159/000539241
7. Eugenia D'Atanasio, Flavia Risi, Francesco Ravasini, Francesco Montinaro, Mogge Hajiesmaeil, Biancamaria Bonucci, Letizia Pistacchia, **Daniel Amoako-Sakyi**, Maria Bonito, Sara Onidi, Giulia Colombo, Ornella Semino, Giovanni Destro Bisol, Paolo Anagnostou, Mait Metspalu, Kristiina Tambets, Beniamino Trombetta, Fulvio Cruciani (2023). The genomic echoes of the last Green Sahara on the Fulani and Sahelian people. *Current Biology*. https://doi.org/10.1016/j.cub.2023.10.075
8. **Daniel Amoako-Sakyi**, Dorcas Obiri-Yeboah, Anthony Ofosu, Kwadwo Asamoah Kusi, Kingsley Osei, Richard Adade, Ebenezer Aniakwaa-Bonsu, Reginald Quansah, John Arko-Mensah, Brodrick Yeboah Amoah, Godwin Kwakye-Nuako, Eric Yaw Frimpong, Mariama Combasseré-Cherif, Hidaya Mohammed, Boubacar Maiga, Julius Fobil, Isabella Quakyi, Ben A. Gyan (2022). Preponderance of vaccine-preventable diseases hotspots in northern Ghana: a spatial and space-time clustering analysis from 2010 to 2014. *BMC Public Health*. https://doi.org/10.1186/s12889-022-14307-1
9. Kate Hampshire, Simon Mariwah, **Daniel Amoako-Sakyi**, Heather Hamill (2022). "It is very difficult in this business if you want to have a good conscience": pharmaceutical governance and on-the-ground ethical labour in Ghana. *Global Bioethics*. https://doi.org/10.1080/11287462.2022.2103899
10. Combasseré Cherif, Mariama Kaba, Thiombiano, Fatimata, Maiga, Boubacar, **Amoako Sakyi, Daniel**, Tiendrébeogo, Romaric Nebnoma, Dolo, Amagana, Sirima, Sodiomon B, Nébié, Issa, Troye Blomberg, Marita (2021). Distribution of FCR Polymorphism in Children Endemic Population of Burkina and Effect of this Polymorphism on IgG and his Subclass Production. *INRIA a CCSD electronic archive server*.
11. Ebenezer Aniakwaa-Bonsu, **Daniel Amoako-Sakyi**, Kwabena Dankwa, James Kojo Prah, Samuel Victor Nuvor (2021). Seroprevalence of Dengue Viral Infection among Adults Attending the University of Cape Coast Hospital. *Advances in Infectious Diseases*. https://doi.org/10.4236/aid.2021.111008
12. Kwadwo A. Kusi, Felix E. Aggor, Linda E. Amoah, Dorothy Anum, Yvonne Nartey, **Daniel Amoako-Sakyi**, Dorcas Obiri-Yeboah, Michael Hollingdale, Harini Ganeshan, Maria Belmonte, Bjoern Peters, Yohan Kim, John Tetteh, Eric Kyei-Baafour, Daniel Dodoo, Eileen Villasante, Martha Sedegah (2020). Identification of Plasmodium falciparum circumsporozoite protein-specific CD8+ T cell epitopes in a malaria exposed population. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0228177
13. Heather Hamill, Kate Hampshire, Simon Mariwah, **Daniel Amoako-Sakyi**, Abigail Kyei, Michele Castelli (2019). Managing uncertainty in medicine quality in Ghana: The cognitive and affective basis of trust in a high-risk, low-regulation context. *Social Science & Medicine*. https://doi.org/10.1016/j.socscimed.2019.112369
14. Dorcas Obiri-Yeboah, Yaw Asante Awuku, George Adjei, Obed Cudjoe, Anna Hayfron Benjamin, Evans Obboh, **Daniel Amoako-Sakyi** (2019). Post Hepatitis B vaccination sero-conversion among health care workers in the Cape Coast Metropolis of Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0219148
15. **DANIEL AMOAKO-SAKYI** (2019). WITH CEREBRAL MALARIA. *HEALTH*. https://scholar.google.com/scholar?cluster=17061835356326190716&hl=en&oi=scholarr
16. Dorcas Obiri-Yeboah, Yaw Asante Awuku, Joseph Adu, Faustina Pappoe, Evans Obboh, Paul Nsiah, **Daniel Amoako-Sakyi**, Jacques Simpore (2018). Sero-prevalence and risk factors for hepatitis E virus infection among pregnant women in the Cape Coast Metropolis, Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0191685
17. Dorcas Obiri-Yeboah, Patrick K. Akakpo, Mohamed Mutocheluh, Emmanuel Adjei-Danso, Gloria Allornuvor, **Daniel Amoako-Sakyi**, Yaw Adu-Sarkodie, Philippe Mayaud (2017). Epidemiology of cervical human papillomavirus (HPV) infection and squamous intraepithelial lesions (SIL) among a cohort of HIV-infected and uninfected Ghanaian women. *BMC Cancer*. https://doi.org/10.1186/s12885-017-3682-x

18. Dennis Wilmot, Elvis Ofori Ameyaw, **Daniel Amoako-Sakyi**, Johnson Nyarko Boampong, Neils Ben Quashie (2017). In vivo efficacy of top five surveyed Ghanaian herbal anti-malarial products. *Malaria Journal*. https://doi.org/10.1186/s12936-017-1757-4

19. Dorcas Obiri-Yeboah, Yaw Adu-Sarkodie, Florencia Djigma, Kafui Akakpo, Ebenezer Aniakwa-Bonsu, **Daniel Amoako-Sakyi**, Jacques Simpore, Philippe Mayaud (2017). Options in human papillomavirus (HPV) detection for cervical cancer screening: comparison between full genotyping and a rapid qualitative HPV-DNA assay in Ghana. *Gynecologic Oncology Research and Practice*. https://doi.org/10.1186/s40661-017-0041-1

20. Kate Hampshire, Heather Hamill, Simon Mariwah, Joseph Mwanga, **Daniel Amoako-Sakyi** (2017). The application of Signalling Theory to health-related trust problems: The example of herbal clinics in Ghana and Tanzania. *Social Science & Medicine*. https://doi.org/10.1016/j.socscimed.2017.07.009

21. **Daniel Amoako-Sakyi**, Selorme Adukpo, Kwadwo A. Kusi, Daniel Dodoo, Michael F. Ofori, George O. Adjei, Dominic E. Edoh, Richard H. Asmah, Charles Brown, Bright Adu, Dorcas Obiri-Yeboah, Godfred Futagbi, Sharif Buari Abubakari, Marita Troye-Blomberg, Bartholomew D. Akanmori, Bamenla Q. Goka, John Arko-Mensah, Ben A. Gyan (2016). A STAT6 Intronic Single-Nucleotide Polymorphism is Associated with Clinical Malaria in Ghanaian Children. *Genetics & Epigenetics*. https://doi.org/10.4137/geg.s38307

22. Mariama Cherif, **Daniel Amoako-Sakyi**, Amagana Dolo, Jan-Olov Pearson, Ben Gyan, Dorcas Obiri-Yeboah, Issa Nebie, Sodiomon B. Sirima, Ogobara Doumbo, Marita Troye-Blomberg, Maiga Bakary (2016). Distribution of FcγR gene polymorphisms among two sympatric populations in Mali: differing allele frequencies, associations with malariometric indices and implications for genetic susceptibility to malaria. *Malaria Journal*. https://doi.org/10.1186/s12936-015-1082-8

23. Godwin Kwakye-Nuako, Johnson Nyarko Boampong, Mark Kweku Dong, Dorcas Obiri-Yeboah, Yeboah Kwaku Opoku, **Daniel Amoako-Sakyi**, Kwame Kumi Asare (2016). Modulation of cyptosporidiosis by CD4 levels in chronic diarrhoea HIV/AIDS individuals visiting Tarkwa Municipal hospital, Ghana. *Asian Pacific Journal of Tropical Disease*. https://doi.org/10.1016/s2222-1808(16)61127-1

24. Kwabena Dankwa, Ransford Kumi, Richard Ephraim, Latif Adams, **Daniel Amoako-Sakyi**, Samuel Essien-Baidoo, Samuel Nuvor (2015). Intestinal Parasitosis among Primary School Pupils in Coastal Areas of the Cape Coast Metropolis, Ghana. *International Journal of TROPICAL DISEASE & Health*. https://doi.org/10.9734/ijtdh/2015/18026

25. **Daniel Amoako-Sakyi**, Harold Amonoo-Kuofi (2015). Problem-based learning in resource-poor settings: lessons from a medical school in Ghana. *BMC Medical Education*. https://doi.org/10.1186/s12909-015-0501-4

26. D. Obiri-Yeboah, **D. Amoako-Sakyi**, I. Baidoo, A. Adu-Oppong, T. Rheinländer (2015). The 'Fears' of Disclosing HIV Status to Sexual Partners: A Mixed Methods Study in a Counseling Setting in Ghana. *AIDS and Behavior*. https://doi.org/10.1007/s10461-015-1022-1

27. Selorme Adukpo, Kwadwo A. Kusi, Michael F. Ofori, John K. A. Tetteh, **Daniel Amoako-Sakyi**, Bamenla Q. Goka, George O. Adjei, Dominic A. Edoh, Bartholomew D. Akanmori, Ben A. Gyan, Daniel Dodoo (2013). High Plasma Levels of Soluble Intercellular Adhesion Molecule (ICAM)-1 Are Associated with Cerebral Malaria. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0084181

28. JN Boampong, S Acquah, **D Amoako-Sakyi** (2011). The Role of Herbalists in the Management of Severe and Uncomplicated Malaria among Children in the Shama Ahanta East and Ahanta West Districts of Ghana. *Journal of Ghana Science Association*. https://ghanascience.gov.gh/wp-content/uploads/2018/04/Boampong-1.pdf

29. **D. Amoako-Sakyi** (2010). Fc/R IIA polymorphism -131H/R and malaria severity in Ghanaian children. *International Journal of Infectious Diseases*. https://doi.org/10.1016/j.ijid.2010.02.373

30. G Kwakye-Nuako, **D Amoako-Sakyi**, Dorcas Obiri-Yeboah (2010). Toxoplasmosis in Ghana: seroprevelance study in the coastal population. *International society for infectious diseases*. https://ir.ucc.edu.gh/server/api/core/bitstreams/86f8b05c-198f-4f74-9faf-b3d7f7be4e71/content

31. **D Amoako-Sakyi**, B Gyan (2009). P171 Severity of Plasmodium falciparum infection in Ghanaian children is associated with a STAT6 single nucleotide polymorphism. *International Journal of Antimicrobial Agents*. https://scholar.google.com/scholar?cluster=14070706521063984782&hl=en&oi=scholarr

Conference papers 3

1. **Daniel Amoako-Sakyi** (2015). ALLELIC FREQUENCY OF INTRONIC SNPS IN HUMAN FC RECEPTOR (FC Gamma R) GENE DIFFERS AMONG DOGON AND FULANI CHILDREN WITH UNCOMPLICATED MALARIA IN MALI. *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*. https://scholar.google.com/scholar?cluster=14107610600114285325&hl=en&oi=scholarr
2. **Daniel Amoako-Sakyi**, Ben Gyan (2010). A STAT6 SINGLE NUCLEOTIDE POLYMORPHISM IS ASSOCIATED WITH PROTECTION AGAINST CEREBRAL MALARIA IN GHANAIAN CHILDREN. *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*. https://scholar.google.com/scholar?cluster=17265657335920290532&hl=en&oi=scholarr
3. **D Amoako-Sakyi**, KA Kusi (2009). Immunoglobulin E (IgE) and cytokine polymorphism in the pathogenesis of severe malaria in Ghanaian children. *SWISS MEDICAL WEEKLY*. https://scholar.google.com/scholar?cluster=3406036563274105433&hl=en&oi=scholarr

Theses 1

1. **D Amoako-Sakyi** (2019). The Role of Genetic and Epigenetic Factors in Endothelial Damage and Repair among Ghanaian Children with Cerebral Malaria. *University of Ghana*. https://scholar.google.com/scholar?cluster=17678578615136309367&hl=en&oi=scholarr