Richael Odarkor Mills

Lecturer · Biomedical Sciences
University of Cape Coast

ORCID 0000-0003-1596-8543 · Google Scholar scholar.google.com/citations?user=lFWl4kwAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/3270360b-9710-4c5d-9ae7-6f415adefc49

RESEARCH

Interests	Epidemiology · Biostatistics · Microbiology · Genomics
Areas	Epidemiology · Molecular Medicine · Applied Microbiology and Biotechnology · Pollution · Critical Care and Intensive Care Medicine · Infectious Diseases

RESEARCH SUMMARY

21	372	8	7	2.42	6%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 21 publications listed below, 2015–2026. Field-weighted impact is the mean over the 18 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 18 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2014–present
Department of Biomedical Sciences, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 20

1. LaKisha T. David, Gabriel Kugoriamo, Prince Sedem Semanshia, McKenzie Macon, **Richael Odarkor Mills** (2026). Genetic Genealogy Inference among Kassena Ghanaians and Their Diaspora Multiple Generations after the Transatlantic Slave Trade. *Ghana Studies*. https://doi.org/10.3368/gs.28.1.36
2. Samuel A. Akwetey, Standford Kwenda, Humphrey P. K. Addy, Ebenezer Foster Nyarko, Elvis Fiam, Elvis Quansah, Irene E. Donkor, Desmond O. Acheampong, Godwin Kwakye-Nuako, Mohammed R. Abdullah, Sven Hammerschmidt, Arshad Ismail, **Richael O. Mills** (2026). Genomic surveillance of post-immunization pneumococcal carriage in Ghana. *Microbial Genomics*. https://doi.org/10.1099/mgen.0.001734
3. Chiara Crestani, Kelly L. Wyres, Jabir Abdulahi, Archana Angrup, William Boateng, Chanté Brand, Arsène G. Djoko Nono, Teca C. Galvao, Devarshi Gajjar, Francisco Gonzalez-Espinosa, … **Richael O. Mills** and 17 others (2026). Global perspectives on Klebsiella epidemiology and biology: conference report on the KLEBS 2024 symposium. *npj Antimicrobials and Resistance*. https://doi.org/10.1038/s44259-025-00175-3
4. Elvis Fiam Amegayibor, Rita Ohene Larbi, Matilda Ayim-Akonor, **Richael Odarkor Mills**, Helena Owusu, Benjamin Kissi Sasu, Robert Fraser Terry, Anthony D. Harries, Florence S. Kuukyi (2025). Enterobacterales and Antimicrobial Resistance in Feed, Water, and Slurry in Pig Production Farms in the Greater Accra Region of Ghana, 2024. *Tropical Medicine and Infectious Disease*. https://doi.org/10.3390/tropicalmed10090239
5. Desmond Sarfo Boampong, Delores Hakikson, Humphrey Precious Addy, Samuel Addo Akwetey, Eric Yayra Nukpeta, John Anyimadu, Koduah Caleb, Williams Mpoadan Ogaja, Ishmael Edem Sewornu, Sani Fatau, **Richael Odarkor Mills** (2025). Knowledge, attitudes, and practices of antimicrobial use and resistance among nursing mothers in the Cape Coast Metropolis of Ghana: a cross-sectional study. *Discover Public Health*. https://doi.org/10.1186/s12982-025-00564-z
6. Ansumana Bockarie, **Richael Odarkor Mills**, Kofi Ulzen-Appiah, Albert Akpalu, Cecelia Smith-Togobo,

Bernice Akua Frimpong, Ishmael Obeng-Ofosu, George Nkrumah Osei, Josephine Anterkyi Bentil, Patrick Adu, David Larbi Simpong (2025). Pattern of central nervous system related diseases and deaths: a 10-year study in a Ghanaian tertiary care facility. *Brain Disorders*. https://doi.org/10.1016/j.dscb.2025.100300

7. Bismark Donkor, **Richael Odarkor Mills**, Philimon Mwintige, Alberta Bedford Moses, Abigail Asmah Brown, Faustina Halm-Lai, Oheneba Charles Kofi Hagan (2025). Phenotypic and Genotypic Profile of Enterobacteriaceae Isolated at a Teaching Hospital in Ghana. *MicrobiologyOpen*. https://doi.org/10.1002/mbo3.70127
8. Elvis Fiam Amegayibor, Rita Ohene Larbi, Matilda Ayim-Akonor, Ebenezer D. O. Ansa, Pruthu Thekkur, Helena Owusu, Robert Fraser Terry, Anthony D. Harries, Benjamin Kissi Sasu, George Kwesi Hedidor, **Richael Odarkor Mills** (2025). Prevalence of Antimicrobial and Colistin Resistance in Enterobacterales in Healthy Pigs in Ghana Before and After Farmer Education. *Tropical Medicine and Infectious Disease*. https://doi.org/10.3390/tropicalmed10090266
9. **Richael O Mills**, Isaac Dadzie, Thanh Le-Viet, David J Baker, Humphrey P K Addy, Samuel A Akwetey, Irene E Donkoh, Elvis Quansah, Prince S Semanshia, Jennifer Morgan, Abraham Mensah, Nana E Adade, Emmanuel O Ampah, Emmanuel Owusu, Philimon Mwintige, Eric O Amoako, Anton Spadar, Kathryn E Holt, Ebenezer Foster-Nyarko (2024). Genomic diversity and antimicrobial resistance in clinical Klebsiella pneumoniae isolates from tertiary hospitals in Southern Ghana. *Journal of Antimicrobial Chemotherapy*. https://doi.org/10.1093/jac/dkae123
10. **Richael O. Mills**, Mohammed R. Abdullah, Samuel A. Akwetey, Dorcas C. Sappor, Johan A. Bolivar, Gustavo Gámez, Mark P. G. van der Linden, Sven Hammerschmidt (2022). Molecular Characterization and Antibiotic Susceptibility of Non-PCV13 Pneumococcal Serotypes among Vaccinated Children in Cape Coast, Ghana. *Microorganisms*. https://doi.org/10.3390/microorganisms10102054
11. **Richael O. Mills**, Mohammed R. Abdullah, Samuel A. Akwetey, Dorcas C. Sappor, Gustavo Gámez, Sven Hammerschmidt (2022). Molecular Epidemiology of Multidrug-Resistant Pneumococci among Ghanaian Children under Five Years Post PCV13 Using MLST. *Microorganisms*. https://doi.org/10.3390/microorganisms10020469
12. Lewis Abedi Asante, **Richael Odarko Mills** (2020). Exploring the Socio-Economic Impact of COVID-19 Pandemic in Marketplaces in Urban Ghana. *Africa Spectrum*. https://doi.org/10.1177/0002039720943612
13. **Richael Odarkor Mills** (2020). Nasopharyngeal Carriage, Antibiotic Susceptibility Patterns and Serotype Distribution of Streptococcus pneumoniae among Children Under Five in Cape Coast, Ghana. *University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/df442af9-db0d-49a7-b1df-6dfbf751a624/content
14. **Richael O. Mills**, Mohammed R. Abdullah, Samuel A. Akwetey, Dorcas C. Sappor, Isaac Cole, Michael Baffuor-Asare, Johan A. Bolivar, Gustavo Gámez, Mark P. G. van der Linden, Sven Hammerschmidt (2020). Post-Vaccination Streptococcus pneumoniae Carriage and Virulence Gene Distribution among Children Less Than Five Years of Age, Cape Coast, Ghana. *Microorganisms*. https://doi.org/10.3390/microorganisms8121987
15. Elvis Quansah, Prince Amoah Barnie, Desmond Omane Acheampong, Dorcas Obiri-Yeboah, **Richael Odarkor Mills**, Ebenezer Asmah, Obed Cudjoe, Isaac Dadzie (2019). Geographical Distribution of β-Lactam Resistance among Klebsiella spp. from Selected Health Facilities in Ghana. *Tropical Medicine and Infectious Disease*. https://doi.org/10.3390/tropicalmed4030117
16. Eric S. Donkor, Dorota Jamrozy, **Richael Odarkor Mills**, Thomas Dankwah, Philip Amoo, Beverly Egyir, Ebenezer Badoe, Joana Twasam, Stephen Bentley (2018). A genomic infection control study for Staphylococcus aureus in two Ghanaian hospitals. *Infection and Drug Resistance*. https://doi.org/10.2147/idr.s167639
17. Eric Yirenkyi Adjei, Keziah Laurencia Malm, Kofi Nyarko Mensah, Samuel Oko Sackey, Donne Ameme, Ernest Kenu, Marijanatu Abdulai, **Richael Mills**, Edwin Afari (2017). Evaluation of cholera surveillance system in Osu Klottey District, Accra, Ghana (2011-2013). *Pan African Medical Journal*. https://doi.org/10.11604/pamj.2017.28.224.10737

18. **Richael Mills** (2017). Malaria diagnosis and treatment practices in Tolon district, Northern Region. *Pan African Medical Journal*. https://scholar.google.com/scholar?cluster=6397958531392852417&hl=en&oi=scholarr

19. Nadja Sparding, Nicholas T.K.D. Dayie, **Richael O. Mills**, Mercy J. Newman, Anders Dalsgaard, Niels Frimodt-Møller, Hans-Christian Slotved (2015). Clonal distribution of pneumococcal serotype 19F isolates from Ghana. *Infection Genetics and Evolution*. https://doi.org/10.1016/j.meegid.2015.01.016

20. **Richael Odarkor Mills**, Kingsley Twum-Danso, Seth Owusu-Agyei, Eric S. Donkor (2015). Epidemiology of pneumococcal carriage in children under five years of age in Accra, Ghana. *Scandinavian Journal of Infectious Diseases*. https://doi.org/10.3109/00365548.2014.994185

Conference papers 1

1. Prince Semanshia, **Richael Mills** (2026). Genetic Genealogy Inference among Kassena Ghanaians and Their Diaspora Multiple Generations after Mass Transatlantic Human Trafficking from Africa. *AMERICAN JOURNAL OF BIOLOGICAL ANTHROPOLOGY*. https://scholar.google.com/scholar?cluster=6667178943362313101&hl=en&oi=scholarr