# Francis Opoku Agyapong

Research Centre
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## RESEARCH

| | |
|---|---|
| Interests | infectious diseases bacteriology · virology · epidemiology |
| Areas | Infectious Diseases · Food Science · Endocrinology · Health · Neurology · Public Health, Environmental and Occupational Health |

## RESEARCH SUMMARY

| 12 | 137 | 4 | 4 | 3.34 | 36% |
|---|---|---|---|---|---|
| Publications | Citations | h-index | i10-index | Field-weighted impact | World top 10% |

Counted from the 12 publications listed below, 2019–2026. Field-weighted impact is the mean over the 11 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 11 papers scored for it are among the world's most cited tenth for their field, type and year.

## POSITIONS

**Lecturer/Physician Specialist** 2018–present
Clinical Microbiology, School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

## EDUCATION AND QUALIFICATIONS

**Kwame Nkrumah University of Science and Technology College of Health Sciences**
Kumasi, Ghana

## DISTINCTIONS, MEMBERSHIPS AND SERVICE

**By Examinations** 2021–present
Internal Medicine, West Africa College of Physicians, Kumasi, Ghana

## PUBLICATIONS

### Journal articles 10

1. Eric Darko, Debora Akortia, Gifty Nkrumah, **Francis Opoku Agyapong**, Sampson Twumasi-Ankrah, Michael Owusu-Ansah, Rosanna Glazik, Alexander Shaw, Nicholas Grassly, Ellis Owusu-Dabo, Yaw Adu-Sarkodie, Michael Owusu (2026). Environmental surveillance of pathogens in Africa. *Applied and Environmental Microbiology*. https://doi.org/10.1128/aem.01932-25
2. **Francis Opoku Agyapong**, Michael Owusu, Eric Darko, Michael Owusu-Ansah, Sampson Twumasi-Ankrah, Kennedy Gyau Boahen, Gifty Nkrumah, Marijo Parčina, Sabina Karačić, Manuel Ritter, Linda Batsa Debrah, Alexander Yaw Debrah, Hyon Jin Jeon, Florian Marks, Ellis Owusu-Dabo, Yaw Adu-Sarkodie (2026). Phylogenomics and antimicrobial resistance genes of invasive non-typhoidal Salmonella in the Ashanti region of Ghana. *BMC Microbiology*. https://doi.org/10.1186/s12866-026-05564-w
3. Portia Boakye Okyere, Sampson Twumasi-Ankrah, Sam Newton, Samuel Nkansah Darko, Michael Owusu Ansah, Eric Darko, **Francis Agyapong**, Hyon Jin Jeon, Yaw Adu-Sarkodie, Florian Marks, Ellis Owusu-Dabo (2025). Risk Factors for Typhoid Fever: Systematic Review. *JMIR Public Health and Surveillance*. https://doi.org/10.2196/67544

4. **Francis Opoku Agyapong** (2025). Safety and immunogenicity of the invasive non-typhoidal Salmonella (iNTS)-GMMA vaccine: a first-in-human, randomised, dose escalation trial. *EBioMedicine*. https://www.thelancet.com/journals/ebiom/article/PIIS2352-3964(25)00347-0/fulltext

5. Florian Marks, Justin Im, Se Eun Park, Gi Deok Pak, Hyon Jin Jeon, Lady Rosny Wandji Nana, Marie-France Phoba, Lisette Mbuyi-Kalonji, Ondari D Mogeni, Biruk Yeshitela, … **Francis Opoku Agyapong** and 68 others (2024). Incidence of typhoid fever in Burkina Faso, Democratic Republic of the Congo, Ethiopia, Ghana, Madagascar, and Nigeria (the Severe Typhoid in Africa programme): a population-based study. *The Lancet Global Health*. https://doi.org/10.1016/s2214-109x(24)00007-x

6. A Amaniampong, E Akowuah, M.A. Boasiako, J.A. Asamoah, C. Adu-Gyamfi, S Aryeetey, G Acheampong, G Agyei, N.K. Ayisi-Boateng, **F.O. Agyapong**, J.S. Kamasah, M Mutocheluh, A.A. Sylverken, R.O. Phillips (2023). Comparative Analysis of SARS-Cov-2 Detection Using Viral Swab in Viral Transport Medium Against Cotton Swab in 0.9% Normal Saline. *GET Journal of Biosecurity and One Health*. https://doi.org/10.36108/gjoboh/3202.20.0240

7. Nembot Fogang Brice Armel, Godfred Acheampong, Bernard Nkrumah, Nana Kwame Ayisi-Boateng, Stephen Opoku Afriyie, **Francis Opoku Agyapong**, Dorcas Ohui Owusu, Mohamed Mutocheluh, Abass Abdul-Karim, Philip El-Duah, Augustina Angelina Sylverken, Michael Owusu (2023). Microbial Organisms in the Lower Respiratory Tract Associated with SARS-CoV-2 Infection: A Cross-Sectional Study in Northern Ghana. *COVID*. https://doi.org/10.3390/covid3040033

8. Emmanuel Akowuah, Godfred Acheampong, Nana Kwame Ayisi-Boateng, Andrews Amaniampong, **Francis Opoku Agyapong**, Japhet Senyo Kamasah, George Agyei, Dorcas Ohui Owusu, Bernard Nkrumah, Mohamed Mutocheluh, Augustina Angelina Sylverken, Michael Owusu (2022). Comparable Detection of SARS-CoV-2 in Sputum and Oropharyngeal Swab Samples of Suspected COVID-19 Patients. *COVID*. https://doi.org/10.3390/covid2070062

9. Fred S. Sarfo, Naa Oboshie Mensah, **Francis Agyapong Opoku**, Nathaniel Adusei-Mensah, Michael Ampofo, Bruce Ovbiagele (2020). COVID-19 and stroke: Experience in a Ghanaian healthcare system. *Journal of the Neurological Sciences*. https://doi.org/10.1016/j.jns.2020.117044

10. **Francis O. Agyapong**, Daniel Ansong, Alex Owusu-Ofori, Ruby Martin-Peprah (2019). Diagnostic Performance of Blood Film Microscopy and PfHRP2-based RDT in a Routine Clinical Setting of a Secondary Health Facility in Ghana. *Journal of Advances in Medicine and Medical Research*. https://doi.org/10.9734/jammr/2019/v31i430294

### Conference papers 2

1. Michael Owusu-Ansah, Adwoa Safowaa, Isaac Aguna, Sampson Twumasi-Ankrah, Michael Owusu, **Francis Opoku-Agyapong**, Yaw Adu-Sarkodie, Kwame Ohene Buabeng, Ellis Owusu-Dabo (2023). PA-259 Overcoming challenges in vaccination campaign during COVID-19: lessons learned from the TyVEGHA study. https://doi.org/10.1136/bmjgh-2023-edc.132

2. Adwoa Safowaa, Michael Owusu-Ansah, Isaac Aguna, Sampson Twumasi-Ankrah, Michael Owusu, **Francis Opoku-Agyapong**, Yaw Adu-Sarkodie, Ellis Owusu-Dabo (2023). PA-261 Enhancing referral and participation in surveillance through facilitated participatory training in Asante Akim Agogo, Ghana: The TyVEGHA experience. https://doi.org/10.1136/bmjgh-2023-edc.133