



DR. ELIAS K. ASUMING-BREMPONG

Research Scientist, Biomedical and Public Health Research Unit, CSIR-Water Research Institute

Degrees:

1. 1.Ph.D., Clinical Microbiology (LUMC, the Netherlands/ KNUST, Kumasi, Ghana);
2. 2.Master of Philosophy, Applied Parasitology (UG, Legon, Ghana)

Active Affiliations

1. 1.Member, the Ghana Biomedical Convention (GBC), Ghana;
2. 2.Junior Member, The European Academy for Allergy and Clinical Immunology (EAACI)

Awards and Recognitions

Long-term (1-year) Junior Research Fellowship Award under the auspices of the European Academy of Allergy and Clinical Immunology (EAACI) to the Leiden University Medical Centre (LUMC), Leiden, the Netherlands (2014)

Research Interests

1. 1.Immunology and Molecular Biology: Studies into the genetic predisposition of immune responses to helminth infections
2. 2.Allergy and Immunology:
3. 3.Immunoparasitology:

Current Research Activities

1. 1.Assessing the efficacy of Albendazole in the treatment of hookworm and other soil-transmitted helminth infections
2. 2.Assessing the genetic predispositions of human subjects in endemic areas to schistosomiasis and soil-transmitted helminth infections

Current Projects

1. 1.Research Project Title: The Anthelmintic Response Map of Ghana; the project is aimed at determining the prevalence of soil-transmitted helminths in Ghana, and assessing the level of resistance of hookworms to Albendazole treatment
2. 2.Research Project Title: StarWORMS; the project is aimed at developing accurate, cost-effective strategies in monitoring albendazole or benzimidazole efficacy, particularly in areas where such MDAs have been or are being carried out.

Publications

Asuming-Brempong E., Gyan B., Amoah A.S., van der Puije W., Bimi L., Boakye D., Ayi I. (2015). Relationship between eosinophil cationic protein and infection intensity in a schistosomiasis endemic community in Ghana; *Research and Reports in Tropical Medicine*, 6: pp. 1-10.

Amoah, A. S., Asuming-Brempong, E. K., Obeng, B. B., Versteeg, S. A., Larbi I. A., Aryeetey Y., Platts-Mills T. A. E., Mari A., Brzezicka K., Gyan B. A., Mutocheluh M., Boakye D. A., Reichardt N., van Ree R., Hokke C. H., van Diepen A., Yazdanbakhsh M. (2017). Identification of dominant anti-glycan IgE responses in Ghanaian school children by glycan microarray; *Journal of Allergy and Clinical Immunology* ; accepted for publication.