

23rd International Conference on

NANOTECHNOLOGY

June 27-28,2024 | London, UK

Nanomedicine: Recent advances and future prospects

Stanley Saamoah- Moffatt

Data Link Institute, Ghana

Nanomedicine and nano delivery systems are rapidly developing and burgeoning area of biomedical science where nanoscale materials are utilized as diagnostic tools for delivering therapeutic agents to targeted sites in a controlled manner. Nanotechnology as a science has enormous benefits in treating chronic human diseases in a target-oriented delivery of precise drugs. Recently, a number of chemotherapeutic agents, immunotherapeutic agents, and biological agents have been employed in treating various human diseases. This presentation will co-

ver updated summary of recent and most promising advances in the field of nanomedicines through the discovery and application of nanomaterials in improving the efficacy of existing drugs and selective diagnosis through biomarker molecules. The prospects and challenges of nanomedicines in drug delivery from natural/synthetic sources to their clinical applications will also be discussed. Furthermore, information about current trends and their respective perspectives in the field of nanomedicine will be highlighted.

Biography

Stanley Saamoah Moffatt is a Professor of Biomedical Sciences with expertise in Molecular Virology, Pathology and Biomedical Nanotechnology, He had previously served in various positions such as Dean, Director of Quality Assurance, Vice President of Institutional Advancement and Vice President for Academic Affairs at Regent University College of Science and Technology. He attended Achimota School (Accra), where he obtained his GCE Ordinary Level and GCE Advanced Level Certificates in June 1982 and June 1984 respectively. He continued to pursue his undergraduate studies at the University of Ghana and graduated with BSc (Hons) Degree in 1988, after which he had a one-year stint as a research assistant in the virology unit of Noguchi Memorial Institute for Medical Research (Ghana). He obtained his combined MSc and PhD Degrees in Molecular Virology and Pathology at Tohoku University School of Medicine (Japan) in 1996. He also holds Certificates in Quality Assurance in Higher Education (CQAHE) from the Central European University, Vienna, Austria; Nanotechnology (CiNant) from University of Pretoria, South Africa; and Cell & Genetic Therapy (CGT) from University of Missouri, St. Louis, USA.