

SmartGene and The Johns Hopkins University evaluate the suitability of Next Generation Sequencing for routine Clinical Microbiology Laboratories

Unterägeri, Switzerland – 24th August, 2022: SmartGene, a leading provider of bioinformatics Software-as-a-Service applications (SaaS Apps), today announced a new agreement with The Johns Hopkins University clinical microbiology division in Baltimore, Maryland. The study will compare the advantages and challenges of different sequencing technologies in the wet lab and bioinformatics tools in the dry lab, for the identification of bacteria and fungi from patient samples in routine clinical Microbiology.

More specifically, the study will assess the potential to convert established, routine Sanger sequencing-based testing methods in clinical Microbiology to Next Generation Sequencing (NGS) technologies. Results from the associated studies are intended for publication in peer-reviewed scientific literature and for broad dissemination thereafter.

“We are delighted to expand our long-established relationship with the Clinical Microbiology experts at Johns Hopkins,” said Stefan Emler, MD, SmartGene’s founder and CEO. “NGS technologies have revolutionized clinical research and patient care for certain hereditary diseases and cancers; however, applying NGS to routine testing for clinical infectious diseases has been limited so far. Addressing workflow, operational, and financial impediments to implementing NGS in routine clinical microbiology will be the focus of this study and of the publications which result from it.”

About SmartGene

SmartGene is a bioinformatics application service provider delivering secure, integrated, SaaS Apps for the analysis, interpretation, and management of genetic data. The Cloud Apps incorporate SmartGene’s proprietary, validated Centroids reference databases, and enable clinical management and epidemiological monitoring of infectious diseases involving bacteria, fungi, and viruses. Apps are also provided for quality management of biopharmaceutical and food products.

Find out more at www.smartgene.com.

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