Computationally Predicting Mutation of SARS-COV-2 S-proteins using comparative gene findings

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Can viral mutation during pandemic be predicted by utilizing etiological evolution and genomic stochastic analyses? We're exploiting molecular computation, sequence annotation, alignments, machine learning of repository database for modeling stochastic comparative gene findings, parameter optimization, to shed insights, track and predict viral mutations, to support timely treatments and vaccines effectiveness of current and future pandemic viral infections.

Biography

Professor Samuel A. Afuwape has 32 years experience in University Teaching and Research. Founder and Director OKE-NanoBiotechnology.org (Genomic and Metagenomic). Post-doctorate at Biomedical Engineering, USC, Los Angeles, CA USA. Recent Author - Prototyping DNA Biosensor.. Founding Chair of Engineering and System Technology at Atlanta Technical College, Atlanta, GA, USA. Associate Faculty Professor at School of Engineering and Media National University, San Diego, CA. Invited Author International Journal of Nanotechnology. Published and presented over 80 technical papers, abstracts and posters at academic symposium, conferences and conventions across United States. Served United Nations as Biomedical Engineer Expertise in University Teaching Hospital, Northern Nigeria, West Africa.

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