2nd European Congress on

Pharmaceutical Science & Research

February 23, 2022

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Constructing interplanetary epidemic transitions in metaverse reality

Bio regulation can be controlled by monitoring the frequency of the 3x3 matrix code produced by artificial intelligence with an algorithm that combines the state-of-the-art learning algorithm with the enzyme pathway signalling mechanisms. Computations powered by algorithmic advances enable the generation and verification of realistic models that can be used to reveal new enzymatic catalysis mechanisms. By using algorithmic tools for horizontal and vertical asymptotic analysis, enzymatic catalysis is regulated with a wide range of parameters in dimensional form with measurement precision. Enzymes are transformed into biogenic robots with the signals sent to the biocatalyst, which maintains the enzymatic activity in the form of a continuous Markov chain ring by the parallel replication method by accelerating the stochastic reaction networks of the sinusoidal distribution. Rational catalyst design is determined by measuring the free energy changes in the Hamiltonian catalytic mechanism. Using programmable logic, Hamiltonian design defines free energy changes related to catalytic activity and input variables can be suggested by making uncertainty estimates. When the thermodynamic and kinetic parameters of the reaction mechanism calculated using empirical quantum chemistry are taken into account, enzymatic activity is achieved by jumps in small energy changes. As a result of the study, programmable bionic robot enzymes were created by combining quantum mechanics and Hamiltonian design and using free energy jumps.

Keywords: Enzymatic Catalysis, Artificial Intelligence, Robotic Algorithm, Signal transmission.

Speaker Biography

Ozan Emre EYUPOGLU is an Assistant Professor at Istanbul Medipol University, School of Pharmacy. He is the Head of the Department of Basic Pharmaceutical Sciences and the Head of the Department of Biochemistry. He received his Ph.D. from Karadeniz Technical University, Institute of Science, Chemistry (Biochemistry) in 2017. Area of interest includes Health Sciences, Medicine, Basic Medical Sciences, Biochemistry, Biophysics, Biomolecules, Nanotechnology, Lipidomics, Proteomics and Biological Spectroscopy. He has published numerous research articles in well-known journals and given international conferences on chromatographic analyzes and antioxidant activities of medicinal plants. He is closely related to topics such as artificial intelligence, machine learning and innovative techniques, and plans studies for processing biochemical data for disease diagnosis. He is an interdisciplinary scientist specializing in developing on-line chromatographic methods. There are 2 national patents, 1 international patent and 1 utility model related to a medical product and a herbal formulation. He advised 2 master's candidates who did thesis on the coagulation system and aromatherapy, and now has 3 doctorate studies on the nanotechnological applications of drugs and herbal extracts, and 1 doctorate working on the toxicology of bee products. As an editor and referee in many national and international journals, Dr. EYUPOGLU is an Associate member of the European Materials Modeling Council and received the 2020 International Young Scientist Award in Engineering, Science and Medicine from the International VDGOOD Technology Company.

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