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Molecular Medicines Demanding Novel Approaches on the Different Biological Systems to Solve Critical Problems Related With Biodynamic Performances

Amit Kumar Verma

[1]Cell Biology Research Laboratory, Department of Zoology, J. P. University, Chapra, Bihar, India.

*Corresponding author: Verma Ak, Cell Biology Research Laboratory, Department of Zoology, J. P. University, Chapra, Bihar, India, Tel: +918804385560; E-mail: akvjpuz[AT]gmail.com

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Abstract

Molecular medicines are needs of present-day society and future generations. Millions and billions of micro and macro, bio, and synthetic molecules are being utilized to solve several types of health-related problems in the fields of ever-changing trends of modern arena. Eco-friendly and life-caring trends of modern scientific institutions helped to develop new trends to solve life-leading problems including epidemic/pandemic situations. Biochemical reactions governing life are being determined by physicochemical mathematical dialogues helped to understand the nature of structural framework of molecular medicines in the light of genomics, transcriptomics, proteomics, metabolomics, and bioinformatics to overcome the critical conditions of health related problems of all times can be solve more accurately within the limited short periods of sustenance by understanding pure scientific language as in this article as a short communication for scientists and researchers to focus more on mathematical language for the better and absolute management of biodynamic related products during the course of epidemics/pandemics by practice and products.

Keywords: ***Molecular medicines; Recent scenarios; Scientific attentions, Life-leading problems, Mathematical dialogues.***

Therapeutic management over active biomolecules upto the range of normal performances has vast range of applications in the fields of practical medicines and research. Biodynamic performances of biomolecules among the molecular motors along the axis of x, y, and z in ever-changing conformational states in the sense of per unit of time-intervals in milliseconds (ms) performing their work on which life-leading activities of all known biological systems depends smoothly/abruptly. Although molecular motors in biological machines such as actin, actinin, myosin, centrin, calmodulin, caltractin, kinesin, kinectin and immunoglobulins etc are on the way of their natural wild-type work performances. Work, power, and force generation out of the normal range bringing bioenergetics system disruption in

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smooth operations, hence, it has significant importance in the fields of molecular medicine in their therapeutic management over the molecular motors performance housed in a closed/open systems (in vitro/in vivo conditions) under controlled conditions helped to understand biodynamic performances over the ever-changing environmental conditions are being softly used for their therapeutic managements on the basis of force and power generation in respect of their three dimensional molecular orientations in terms of enzyme-kinetics involving their active motives and domains in functional performances having differential Hookean force management in relation with their Reynonds' numbers. It has provided centralized ideas for their advanced practical applications on which day-today ever-changing ideas on molecular medicines depend to handle challenging modern critical problems in sake of biological welfare utilizing various sophisticated and approved tools and techniques [1].

Vectorial analysis over the electro-chemical signal transduction in ms on *Vorticella* stalk contraction dynamics provides clues to the potential wave generation and transduction along the length of F-actin like myosin, centrin and calmodulin for spasmins and batonnets on the basis of conformational designs and performances when membrane potentials of occurrence became depolarised generated in the form of spike potentials against the resistance (1 to 9 × 10^8) in a polyprotic chain system of diffracting molecular orientations for amino acid residues in terms of degree of rotation on the basis of sequence alignments. On the basis of data obtained in either mutated/wild-type variation stains always performed works in respect of Ohms' law. Three-dimensional hyper- and hypo-polarizations in respect of direction of force and power generated along the length of proteic-cable connections performing catalytic activities at the levels of their active as well as non-active polar and apolar coordinates determining doses for their therapeautic applications for the management of biodynamic catalytic performances of a given/relative system in applications in respect of time-intervals in clinical conditions (Fig. 1) [2].

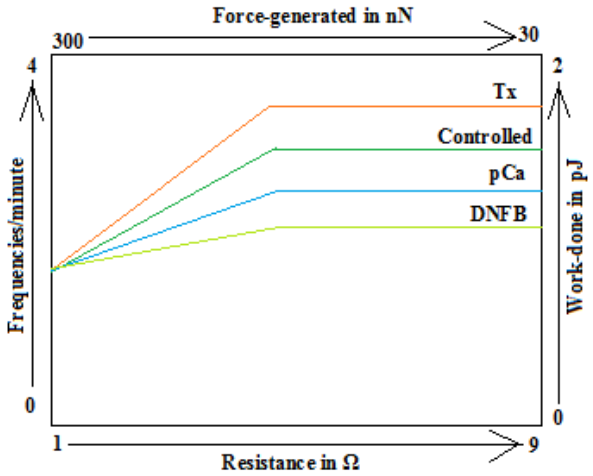

Fig. 1. Effects of some selected chemicals on *Vorticella* stalk contraction dynamics on the basis of their relative parameters used in experiments refers their therapeutic applications on other relative systems of same/different contractile natures in a respective way. Where nN representing nano-Newton, pJ pico-Joule and Ω value of resistance in terms of Ohms' law.

Myogenic and neurogenic anterograde and retrograde performances at the level of F-actins generated respective force and power to do work in respect of physioco-chemical conditions where the system of contraction is kept for respective time-intervals to know the bio-mechano-chemical nature of spasmins and batonnets housed in the cytoplasmic matrix of spasmoneme inside the stalk of vorticellids. They are reflecting wild-type strains found in the nature of the discussed specimens in their relative ways, but most notable data were reflecting the vectorial conditions where $\sin\theta + \cos\theta = 1$ with significant values of $\sin\theta$ and $\cos\theta$. In most of the case $\sin\theta \neq \cos\theta$ at the range of 2 to 8 folds of contraction inclination except triton x-100 abbreviated as Tx for wild-type stains and not for mutated conditions in case of spasmins and batonnets same as in case of actin, myosin, centrin and calmodulin respective iso-types as Sfi1p, Cdc31p and Bcl2 like super/sub-families of well-known proteins (S.D. = 0.01, N = 7 to 10) [3], [4].

Observations on pendulant over fixed supports in terms of harmonic oscillations for denominators and numerators regarding tangential analysis refer control over bioenergetics performances of the system for the reference. This advocates advancements in the fields of biodynamic measurements in the light of Forier series when implicated for wave potentials generated during contraction in versatile experimental conditions under controlled situations have immense applications in the fields of biochemistry and biophysics as a molecular medicine support systems reflecting multitudes of future applications in the light of modern tools and techniques in conjecture with biotechnological Insilco-analysis and further implementations on the basis of recent needs and future demands as a solution of up-coming critical problems related with biodynamic contraction performances and their absolute & time-relevant quick management [5], [6].

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