



Ancient Audacity---did Sages Past Subconsciously Speak of Cellular Dust?

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Editorial

Volume 6 Issue 2

Received Date: October 30, 2021

Published Date: November 24, 2021

DOI: 10.23880/cclsj-16000167

Editorial

"Would it be too bold to imagine, that in the great length of time, since the earth began to exist, perhaps millions of ages before the commencement of the history of mankind, would it be too bold to imagine, that all warm-blooded animals have arisen from one living filament, which THE GREAT FIRST CAUSE endued with animality, with the power of acquiring new parts, attended with new propensities, directed by irritations, sensations, volitions, and associations; and thus possessing the faculty of continuing to improve by its own inherent activity, and of delivering down those improvements by generation to its posterity, world without end! Erasmus Darwin (12 December 1731-18 April 1802) Grandfather of Charles Darwin.

"For that which befalls men befalls beasts.....as men die so die beasts.....all are of dust and all turn to dust again"-
Solomon The Wise [Ecclesiastes 3: 19-20]

According to the cellular dust hypothesis/microzymian theory of origin/germ terrain duality theory all living things and the universe they inhabit owe their existence to the activity of microscopic entities called microzymas or cellular dust. These living entities exist in all human beings and animals and when any such living thing perishes the minuscule entities depart. Did Ancient philosophers somehow subconsciously know of these things by "gut feeling"/instinct even though they could not see them with their naked eyes? Long before the invention of the microscope and even when the microscope was in its infancy, philosophers spoke of entities and invisible processes. They spoke, it would appear, of cellular dust. This is food for thought.

- Confucius spoke of a "single source" which gradually unfolded and branched to create life.
- Leucippus of Miletus and Democritus of Abdera 430

BC spoke of an invisible and indivisible entity called "atomos". Democritus said these "atomos" were moving all around us. The word "atom" is derived from this word.

- Epicurus 341–270 BC spoke of "swerving" atoms
- Aristotle (384–322 BC) spoke of pneuma, a "vital heat" that made life.
- Plotinus spoke of "one" thing that resembled nothing but transcended all things living or non-living.
- Xenophanes of Colophon spoke of wet and dry interactions producing life.
- Empedocles spoke of attractive and repulsive forces that acted on earth, wind, water and fire.
- Thales said life arose from the water.
- Anaximander spoke of life-giving mud.
- Diogenes said all things were the same in essence.
- Anaxagoras' theory is the closest to the Cellular Dust Hypothesis. He said germs in the atmosphere made all life.
- Sir Isaac Newton spoke of invisible "active particles" of life.

Which Came First, the Chicken or the Egg?

To the evolutionist there can be no doubt about it-the egg came first. The simple evolved to the complex. To the creationist the chicken came first. It was created the chicken and subsequently laid the egg. To the cellular dust hypothesis it could have gone either way and the chicken and the egg could even have appeared simultaneously depending on the activity of the microzymas.

Sparks and Flashes, Sights and Sounds

It has been said that a zinc spark occurs when the spermatozoa and ovum form the zygote i.e. at the exact moment of conception. Light is a form of energy and the beginning of the coordination of microzymas is likely the

catalyst of the spark. Do lights dim or spark at the point of death? Are there attendant sounds, subsonic small bangs? More research needs to be done. An index of all body processes and resultant sparks (intensity, frequency and duration) ought to help scientists better understand the microzymas and energy expended thereof. Alternative biological forms of lighting or heating could be devised by mimicking such processes. Cellular dust activity during bioluminescence should also be studied [1-5].

Babesiosis Validates the Germ Terrain Duality Theory

Babesiosis is a zoonotic parasitic infection transmitted by the Ixodes tick, currently gaining ground in Europe and in the USA. But studies have shown that the sickle cell condition provides resistance to babesiosis. How?

The Germ-Terrain duality theory of disease states that

the etiology of certain diseases/diseased states is better explained as a complex interplay between germs and the inherent anatomical/physiological integrity of the body cells.

It argues that the etiology of certain diseases is not fully explained merely by the presence of germs (Germ Theory) or by a mere loss of cellular integrity (Terrain Theory). As a result the prevention and treatment of such diseases should focus not just on fighting germs but on maintaining/restoring the anatomical/physiological cellular integrity. The Germ-Terrain duality theory is a harmonization of the current Germ Theory (popularized by Louis Pasteur) and the hitherto discarded Terrain Theory (popularized by Pierre Bechamp).

The sickle cell has a reduced surface area compared to normal cell thus reducing negative effect of babesiosis germ. Other telltale thalassemia examples include (Table 1).

Abnormal hemoglobin	Anatomical/Physiological Aberration	Disease Resisted Thereby
S	Sickle shaped cells; base substitution of glutamic acid with valine in beta chain	Malaria, Babesiosis, Toxoplasmosis
C	Forms crystals; base substitution of glutamic acid with lysine in beta chain	Malaria
D	Mutation on codon 121	Malaria
E	Point mutation at position 26 of glutamic acid to lysine	Malaria
Lepore	Crossover between delta and beta chains	Malaria
F	2 alpha, 2 gamma structure	Malaria
Persistent F	As above	Malaria
J	Alpha globin variation	Malaria
O	Mutation at codon 121	Malaria
G	Alpha chain mutation	Malaria
Hasharon	Alpha and beta chain mutation	Malaria
M	Beta globin gene codon 92	Malaria
Hope	Alpha and beta chain mutation	Malaria
Pisa	Protein related	Malaria
N-Baltimore	Protein related	Malaria
I	Protein related	Malaria
Hopkins - 2	Histidine replaced with aspartic acid	Malaria
Bart	Alpha globin gene dysfunction	Malaria

Table 1: Anatomical/Physiological Aberration.

Genes and Genetic Mutations that Validate the Germ Terrain Duality Theory

Cystic fibrosis, sickle cell anemia, Tay-Sachs disease, phenylketonuria and color-blindness are diseases caused by gene mutations. Just like the mutation of genes causes

diseases, other gene mutations actually protect from and mitigate other diseases. Both the causation and protection from diseases by genes and mutations thereof [which are a function of the human terrain] validate the germ terrain duality theory of disease [6-10] (Table 2).

Gene/ Terrain Parameter	Effect i.e. disease said factor causes protection/amelioration from
NOS2 gene mutations	Malaria and cytomegalovirus [CMV] pneumonitis and encephalitis
RAB7A	Covid
Delta 32 mutation of C-C chemokine receptor type 5	HIV Type 1
SLC30A8 gene mutation	Diabetes
adiponectin gene ADIPOQ Gene deletion	inflammation of arteries
mutation in the cholesteryl ester transfer-protein gene CETP	protection against both high cholesterol levels and cognitive disorders
mutations in the gene SGK1	reduces risk of Parkinson's disease
mutations in prion protein gene, PRNP	protection from kuru [Creutzfeldt Jakob -like Disease]

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