The Electro-gravitational Chemistry in Structural Biology

Ratan Kumar Sarkar

Janhavi, Keota, Hooghly, West Bengal, India

Abstract   Time unifies gravitational and electromagnetic values in the earth-moon space-time structure. Amino acids are formed in different natural techniques in space-time structure. The macromolecular assemblies are gravitational and anti-gravitational chemistry, the anti-gravitational or electromagnetic influx with cumulative rotational units following codon-anticodon assignment that deflects at a position to the opposite gravitational arena in directional biology. A fundamental molecular equation has been established capable of explaining protein expansion to cancer transactivation.

Keywords   Gravity, Antigravity, Electromagnetic values, Mutation, Molecular point

1. Introduction

This paper involves electro-gravitational chemistry of directional biology. The lunar gravity (0.1605) is in opposite direction to lunar time (0.1736, about halved of lunar diameter) while electromagnetic values (0.1451, proton time + electron time = 0.0938 + 0.0513) meeting at a point is in the same direction to lunar time (0.1736). The opposite direction can be altered to the same direction by a '0.0154' or '154' (a non-synonymous factor) values absorbed in the system. The difference, 0.1605 − 0.1026 (electro-magnetic negative values *2) = 0.0579 = 0.0425 + 0.0154 and correspondingly 0.1876 (electro-magnetic positive values*2) − 0.1605 = 0.0271 = 0.0425 − 0.0154 where 0.0938 (proton time) − 0.0513 (electron time) = 0.0425 (electromagnetic values in opposite direction) that would be caused 155.1552 (his), a molecular weight where gravitational (155) and anti-gravitational (0.1552) values are in a similar line-up. The values '107' is an anti-gravitational unit and possess rotational characteristic in space-time that make-up lunar gravity (0.1605) by 15 rotations i.e., 0.0107*15 = 0.1605 that lies opposite to electromagnetic values (0.1451) since 0.1451 + 0.0154 = 0.1605 where 0.0154 or 154 is a 'factor of opposite' in a full cycle of directional biology. Correspondingly, 0.0126(T)*15 = 0.1890 = 0.1736 (about halved of lunar time) + 0.0154 and seen parallel running of thymine and anti-gravitational units towards amino acid synthesis. This paper involves molar masses (g/mol) of amino acids [1] with structural analysis.

The earth-moon curvature of time (0.0367) is concerned into the system where 183*0.0019 = 0.3477 and 193*0.0019 = 0.3667 with a significant difference of time, 193 − 183 = 10

= 0.0190 in the structure. It is important that the diameter of earth and moon is a measurement of time where 12756km/3476km = 3.67(0.0367 curvature of time). The mass of electron (0.511Mev/c^2) and that of proton (938.29 Mev/c^2) are found in time form as 0.0513 and 0.0938 that can meet at a point to make up 0.1451 (gln ht) and with a difference 0.0938 − 0.0513 = 0.0425 = 425 are components of directional biology. Derived from 14.0267, the equation, T (time) = M (integer mass)*0.0019 [2] is highly implicated into the system that is shown bracketed. It is assumed 0.1451 or 0.0146 are horizontal time(ht) while '146' is vertical time in glutamine (146.1451) as an example. A complementary time difference of 0.0001-0.0002 is found in many places in the system. Now I shall go through synthesis of some amino acids.

2. Discussions

Methionine and Valine:

Methionine (149.2124) is an initiating amino acid for protein synthesis. I shall denote here three terms for biological proceedings considering methionine. The core values (Cv) = 149*0.0019 − 0.2124 (negative impulse) = 0.0707, the pre-transitional values (Pv) = 0.2124 − 0.0149 = 0.1975(104) and the resultant values (Rv) = 0.1975 − 0.0707 = 0.1268. It is seen 0.1368 (72, polymorphic site in p53 protein) − 0.1268 = 0.0100 = 100, 0.1976 − 0.1876 = 0.0100 = 100 and 104 − 72 = 32 = 0.0608 (oxy-time) = 0.0707 − 0.0100 (app.) is something special in methionine where 0.1451 (electromagnetic values meeting at a point) + 0.0425 (difference of electromagnetic values) = 0.1876 = 0.0938*2 (proton time) are in the system.

The parallel running of gravitational (107) and thymine (126) units for methionine synthesis towards anti-gravitational transition point (0.1975) like, 0.0107*18 rotations = 0.1926 and 0.0126*18 rotations = 0.2268 that gives 0.2268 − 0.1975 = 0.0293 = 0.0149 + 0.0154 − 0.0010

(reducing values as the rotational values surpasses lunar gravity) and $0.1975 - 0.1926 = 0.0049 = 0.0149 - 0.0100$ where '0.0154' is an absorbed transitional values for anti-gravitational to opposite gravitational arena deflection. The p53 (393-amino acids) should be a fundamental protein shows $393 + 154 = 547 = 0.0547 = 0.1254$ (t-RNA distance of constancy factor, $66*0.0019 = 0.1254$) $- 0.0707$ (met cv).

It is seen the resultant value of tyrosine is 0.0168 and that of 0.1268 for methionine. The differential values, $0.1268 - 0.0168 = 0.1100$ is concerned to t-RNA factor, $0.1254(66) = 0.1100 + 0.0154$ shows gravitational and anti-gravitational chemistry in the structure.

Valine is also an initiating amino acid for protein synthesis and would be differentiated with methionine as follows.

Now, $0.1469 - 0.0117 = 0.1352$ (val pre-transitional point values) and $117 + 154 = 271$. According to fundamental molecular structure discussed later, $238^{+}.3059^{-}(161)$, while the positive pole reaches to '271' the negative pole consequently reaches to '194' and consequently $253 + 194 = 447 = 547 - 100$ (avoiding decimals) where $0.1605(107*15) - 0.1352 = 0.0253$ and $0.1890(126*15) - 0.1352 = 0.0538$. As 0.0754 (val cv) $- 0.0707$ (met cv) $= 0.0047 = 47$, while the positive pole attains '285' (by adding 47) consequently the negative pole attains '208'(bisectional point) and structurally $117 + 91 = 208$ and $194 + 91 = 285$ and $538 - 91 = 447 = 547 - 100$ where $0.1254(66) - 0.0707 = 0.0547$.

Glutamine and Leucine:

Clarifying leucine or isoleucine (131.1736) in context of glutamine (146.1451), we see, $146 - 131 = 15 = 0.0285$ that correspondence to $0.1736 - 0.1451 = 0.0285 = 0.1890 - 0.1605$ and $285 = 154 + 131$ (transitional leu vt) and '154' is absorbed in the system making 0.1605 and 0.1736 in the same direction since $0.1736 - 0.1605 = 0.0131 = 131$ (on transition). It is seen a complementary 0.0002 values have been deleted from positive and negative side for leucine. Considering glutamine (146.1451), as the electron and proton time meets at a point it is found complementary electronic time (0.0513) in the positive side since $513 - 367 = 146$ where $425 - 367 = 58 = 0.1451 - 0.0367 = 0.1084(57)$, a gravitational and electromagnetic biochemistry.

Interestingly, the molecular weight of glutamine (146.1451) and lysine (146.1881) are about analogical would be concerned to polymorphic site. Mathematically, $0.1368(72) - 0.0938$ (proton time) $= 0.0430 = 0.0425+ 0.0005$ where 0.1876 (proton time*2) $+ 0.0005 = 0.1881$ (lys ht).

Arginine and Methionine:

The pre-transitional values of arginine (174.2017) is $0.2017 - 0.0174 = 0.1843(97)$ where $0.1890 - 0.1843 = 0.0047 = 0.0893(47)$ and $0.1843 - 0.1605 = 0.0238$ and $174 + 154 = 328$ (avoiding decimals). It is seen $0.0893 - 0.0328 = 0.0565 = 0.0327 + 0.0238$ or, $0.0328 - (0.0238 - 0.0047) = 0.0137$ where $0.0137*2 = 0.0274 = 274 = 174 + 100$ in biophysical chemistry.

The core values of arginine (174.2017) $= 174*0.0019 - 0.2017 = 0.1289$ and the pre-transitional values $= 0.2017 - 0.0174 = 0.1843(97)$ makes an important structural factor, $0.1843 - 0.1289 = 0.0554$, the resultant values. According to the fundamental structure $238^{+}.3059^{-}(161)$, arginine forms in a way $238 - 174 = 64$ and correspondingly $161 - 64 = 97 = 0.1843$ and when the positive and negative pole meets at a point, it constitutes $174 + 97 = 271 = 425 - 154 = 665(35) - 394$ (p53 would be a fundamental protein) makes arginine an essential amino acid. The '271' values is equivalent to '194' (193 would be the maximum limit in negative side when positive side is '270' that would concerned to codon values applied) values according to fundamental structure and '194' bisects to '97'(0.1843). The bisection might be caused as $174 + 194 = 368$ or 0.0368 earth-moon curvature of time. The codon values of arginine is '421' (AGA) where 286 (AG) $+ 421$ (AGA) $= 707$ (met core values) $= 554 + 153$ (non-synonymous factor) with 0.0001 time difference.

Again, $0.1289 - 0.1254(66) = 35 = 0.0665$ (on expansion) shows $0.1843 + 0.0665 = 0.2508 = 0.1254*2$ where 0.0665 may be used as a linker between electronic time and oxy-time as $0.0665 + 0.0361(19) = 0.1026$ or $0.0665 - 0.0361 = 0.0304$.

Methionine is closely related to arginine in a way $0.1976(104) - 0.1843(97) = 0.0133(7)$ and also $0.0554 - 0.0547 = 0.0007$ where $0.1254 - 0.0707 = 0.0547 = 0.0398$ (AUG) $+ 0.0149$. The resultant values of methionine is $0.1975 - 0.0707 = 0.1268 = 0.1368(72$, polymorphic site$) - 0.0100$ where $0.1268 - (0.0707 + 0.554) = 0.0007 = 7$. Again, $0.1289 - 0.0707 = 0.0582 = 0.0291*2$ where 0.1545 (tyr Cv) $- 0.1289 = 0.0256 = 0.0291 - 0.0035(35$ or $0.0665)$ in the structure.

Space-time mechanism:

The particles are creating in space-time, in this context, biomolecules in space-time structure. The macro-molecular assemblies would be governed by the gravitational and anti-gravitational chemistry where a fractional time change may lead to infiltration of anti-gravitational or electromagnetic quantum until equilibrium in the structural system.

Considering Val-Cys or Met-Ala, we get total molecular weight of two amino acids $= 117.1469 + 121.159 = 149.2124 + 89.0935 = 238^{+}.3059^{-}(161)$ is a fundamental molecular structure and can be considered as two positive and negative strands with base values $= 0.0161 + 0.0238 = 0.0399$ where $238 - 161 = 77$ (half of 154) is also a component in the structure. Incorporating the factor of opposite (154) in the directional biological structure, we get, $161 - 154 = 7$ and correspondingly, $238 - 7 = 231 = 107$ (gravitational unit) $+ 126$ (thymine unit) $- 2$ (complementary 0.0002 or 0.0038 values in the positive pole) where $285 - 231 = 54 = 154 - 100$ (an essential factor in the structure). The structure is aligned to $193*0.0019 = 0.3667$ (or, 0.0367 earth-moon curvature of time) manifests existence of oxy-time where $0.3667 - 0.3059 = 0.0608(32)$. When the positive pole attains 270 by adding oxy-time (32 or 00608), the negative pole reaches to 193 at its limit maintaining the half cycle, $270 - 193 = 77$ and for a complete cycle it will be 154 (factor of opposite) to attain

bisectional stage. The difference $193 - 154 = 39 = 0.0741 = 0.0405$ (AAA) $+ 0.0336$ (UUU) $= 0.0359$ (UUA) $+ 0.0382$ (AAU) can be applied as codon-anticodon assignment in the system.

When the positive pole attains 271 correspondingly the negative pole attains 194 and bisected to 97 (viz. arginine) while the molecular structure attains to $271 + 97 = 368 = 0.0368$ (earth-moon curvature). Now, 425 (electromagnetic difference) $- 368 = 57$ (3 or 0.0003) and $0.1463 - 0.0399$ (base values) $= 0.1064(56)$ with 0.0001 time difference. Correspondingly, 0.1615 (trp cv or equational terrestrial gravity) $- 0.1463 = 0.0152(8) = 0.0551 - 0.0399$.

The gravitational and anti-gravitational chemistry is mathematically related, $270 + 193 = 463 = 154*3$ (app.) and the differential values, $270 - 193 = 77$ where $77*0.0019 = 0.1463 = 0.1000 + 0.0463$.

When the system reaches at a limit (193 or 0.3667) surpassing the lunar time (183) the lunar and equational terrestrial gravity with a difference of '10' (or 0.0190) meets at a point, $0.1605 + 0.1615 = 0.3220 = 0.3059(161) + 0.0161 = 0.0322*10$ and correspondingly $183 + 193 = 376 = 378$ (TTT $- 2$) in the structural labyrinth. The system should go to doubling i.e., $161*2 + 154 = 238*2 = 376 + 100$ in the molecular structure towards cell cycle and would bisects as $91*2 = 182$ (lunar time $- 1$) to complement '100' in the positive side where $91 = 85(0.1615) + 6$ with conforming to the basic structure 252 (TT) $- 91 = 161$.

The arginine structure is very symmetrical to the fundamental structure where 378 (TTT) $- 287$ (AG $+ 1$) $= 91 = 554 - 463$ (i.e., $270 + 193$) and $554 - 378 = 176 = 100 + 76$ (pole difference -1) and $554 - 287 = 267 = 421$ (AGA) $- 154$.

Here, 0.3477 (lunar time) $- 0.3059 = 0.0418 = 0.0425 - 0.0007 = 0.0608$ (oxy-time) $- 0.0190(10)$ is structurally associated with electromagnetic values where $0.0425 + 0.0183$ (lunar time in opposite direction) $= 0.0608$ where displacement of '6'(0.0114) is seen in the structure. Here, $0.3220 - 0.1451*2 = 0.0318 = 0.0418 - 0.0100$ and correspondingly $271 = 85(0.1615) + 183$ (lunar time) $+ 3(0.0057)$ in the structure. Again, $0.1451 - 0.1254(66) = 0.0197$ and $0.0425 - 0.0351 = 0.0074$ gives $197 + 74 = 271$ in the structure where $0.1605 - 0.1254 = 0.0351$.

The polymorphic site and t-RNA distance of constancy factor (66A^0):

The polymorphic site (72 or 0.1368) and t-RNA factor (66 or 0.1254) are associated with earth-moon space-time structure where $66 + 6 = 72$. The proton time $0.0938*2 = 0.1876 = 0.1000 + 0.0876$ (proline core values app.) is associated with $72*0.0019 = 0.1368 = 0.1000 + 0.0368$ (earth-moon curvature) where 0.1000 or 1000 is a mathematical factor developed. On bisection of polymorphic site, $0.1368/2 = 0.0684$ where $0.0938 - 0.0684 = 0.0254 = 0.1254(66) - 0.1000$ in the structure and conversely $0.0684 + 0.0513 = 0.1197(63) = 66 - 3$. Again, $0.0451 - 0.0425 = 0.0026 = 0.1026 - 0.1000$ where $0.1451 - 0.1000 = 0.0451$.

This can be clearly explained in lys-phe and leu-gln codon-anticodon assignments.

In case bisection of polymorphic site $0.0684*2 = 0.1368$ where $684 - 368 = 316$ and $1000 = 684 + 316$ are mathematically developed where $0.0741(39) = 0.0405$ (AAA) $+ 0.0336$ (UUU) $= 0.0359$ (UUA) $+ 0.0382$ (AAU) $= 0.0425 + 0.0316 = 0.1254 - 0.0513$ (electron time) are structurally concerned that shows $322 - 6$ (displacement of six) $= 316$.

Accordingly, 311 (lys-phe vt) $+ 114(6) = 425 = 477$ (positive pole) $- 52$ where $368 - 316 = 52$ in the structure. Again, 263 (leu-gln vt) $+ 114 = 377 = 477 - 100$ in the structure. It is also seen 0.0399 (base values) $+ 0.0342$ (phe-lys cv difference) $= 0.0741$ and 0.0570 (gln-leu cv difference) $- 0.0399 = 0.0171 = 0.0342/2$.

Again proton values $0.0938*2 = 0.1876 = 0.1000 + 0.0876$ (pro cv polymorphic values app.) that derived from arginine resultant values (0.0554) $+$ proline resultant values (0.0322). It is seen proline resultant values goes through the negative of fundamental molecular structure in a complete cycle where $0.0876 - 0.0477$ (positive values) $= 0.0399$ (base values of molecular structure).

Cancer transactivation and expansion analysis:

Three oncogenic hotspot mutations C844T R282W, G469T V157F (TP53) and G1849T V617F (JAK2) [3] have been considered for clarification that aligned to fundamental molecular structure. Following mutation of C844T R282W, the co-linear values gives $0.0844 + 0.0282 + 0.0326 = 0.1452$ (electromagnetic values) where 0.1289 (arg core values) $- 0.0843 = 0.0446$ and $0.1451 - 0.0446 = 0.1005 = 0.1849 - 0.0844$ with 0.0001 time difference. Again, $0.1451 - 0.1107$ (i.e. $0.0469 + 0.0157 + 0.0481$) $= 0.0344 = 0.0354 - 0.0010$ (i.e. 0.0190). The expansion unit may be derived from $617 - 157 = 460$ and genetically $1849 - 469 = 1380 = 460*3$ (triplet factor) and $1451 - 1380 = 71 = 446 - 375$ where $844 - 469 = 375 = 125*3$ avoiding decimals. In directional biology, $0.0354 + 0.0071 = 0.0425$ (electromagnetic values) where 0.0754 (val core values) $+ 0.0354 = 0.1108$ and $0.1451 - 0.0354 = 0.1097$ (V617F $+$ molecular point) are mathematically interrelated. Interestingly, 0.0326 (R282W) $+ 0.0154$ (non-synomous factor) $= 0.0481$ (V157F) with 0.0001 time difference. A structural displacement is seen in the fundamental structure where $0.1605 - 0.1254 = 0.0351 = 0.0354 - 0.0003 = 0.0294 + 0.0057(3)$ in the structure where $270 + 193 = 463 = 460$ (expansion unit) $+ 3$. Again, 0.1495 (asp core values) $- 0.1380 = 0.0115$ where $0.0115*3 = 0.0445$ and $0.0751 - 0.0741$ (D816V) $= 0.0010 = 0.0190$ in the structure. The mutations C844T and G469T or G1849T should have linked to polymorphic sites where 0.0285 (mutational values) $+ 0.0399$ (base values) $= 0.0684$ and 0.0475 (mutational values) $+ 0.0399 = 0.0874$ (pro cv).

3. Conclusions

The directional biology causes the system somewhat complicated and exposes electromagnetic positive and negative components can exist at a point while it is time.

The electromagnetic values are directly concerned to lunar gravity or time in biological processes. The fundamental molecular structure $238^{+}.3059^{-}(161)$ manifests genetics of protein synthesis, gravitational and anti-gravitational biochemistry, molecular point assessment and many more.

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