The Tyr-Cys-Gly Complex in Stem Cell Biochemistry

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Abstract   Stem cell biochemistry has been discussed in tyr-cys-gly complex that lies into fundamental molecular structure $238^+.3059^-(161^+)$ with its extended interface. The STF^{248} and STF^{220} are two anti-parallel human stem cell factors where hydrophobic domain is interrelated to deleted segment of stem cell factor that linked to lunar gravity. The complex shows opposite direction of time and the cleavage site would be the conflicts of electro-gravitational structure. The interception of molecular values of lunar gravity would be a process to combat cancer needing highly experimentation.

Keywords   Stem cell factor, Reverse transcription, Hydro-phobic domain, Phosphorylation, Cysteine bond

1. Introduction

Tyrosine (181.1894) is a curious amino acid of which gravitational time (181) is two step down (0.0038 or 2) of lunar time (183 = 0.3477) shows the opposite direction of time. Cystine (121.1590) is closely related to tyrosine since $0.1894 - 0.1590 = 0.0304$ (oxy-time) and $181 - 121 = 60$ and also 242 (cysteine pair) $- 181 = 61$. The fundamental molecular structure $238^+.3059^-(161^+)$ [1] is applicable while it is associated with stem cell biology. It was previously discussed $0.3477 - 0.3059 = 0.0418(22)$, $0.3667(193) - 0.3059 = 0.0608$ (oxy-time) and $0.3667 - 0.3477 = 0.0190(10)$ in the structure. During replication while the system reaches at 0.3477 and correspondingly reaches at 0.0367 earth-moon curvature of time and bisects to $183*2 = 366$ and 193 or 0.3667 also a point of bisection.

Previously I have discussed [2], proline-genetic relations where 333 (CCC) $+ 154 = 487$ (tri-de-oxy-nucleotide avg. MW) and 333 (CCC) $- 6 = 327$ (mono-de-oxy-nucleotide avg. MW) where 154 and 6 are factors of opposite in upper (+) and lower (-) level. The core values of proline (115.1311) $= 115*0.0019 - 0.1311 = 0.0874$ and pre-transitional values $0.1311 - 0.0115 = 0.1196 = 0.1605$ (lunar gravity) - 0.0409 where $574 - 409 = 165$ (cleavage site in STF^{248}) and also $575 + 154 = 729$ are important.

The gravitational and electro-magnetic difference $0.3477 - 2*0.1451 = 0.0575 = 575$ is a structural parameter. The opposite values of 575 would be dimensionally 0.1963 while the opposite values of 0.1451 is 425. There is intrinsic structural values '1000' gives $0.1000 - 0.0963 = 0.0037$ and correspondingly $575*2 = 1150$ shows $1000 - 150 = 850$ and $850*2 = 1700 = 1738$ (halved of lunar time) $- 38$ with 0.0001 or 1 time difference in the structure.

The mass of proton $= 938.2900$ Mev/c^2 and that of electron $= 0.511$Mev/c^2 gives a structural conformation with 0.0002 time difference and one step decimal change.

The core values or hidden time of glycine (75.0669) $= 75*0.0019 - 0.0669 = 0.0756$ and pre-transitional values $= 0.0669 - 0.0075 = 0.0594 = 0.1605$ (lunar gravity) $- 0.1011$. It is seen $756 - 594 = 162$ (i.e. $0.3059 + 0.0019$) and correspondingly $0.1011 - 0.0594 = 0.0417 = 0.0418 - 0.0001$ where $0.3477 - 0.3059 = 0.0418$ in the structure. Glycine is such a bio-product where time has been converted to opposite direction from 0.3059 to '161' with 0.0001 or 0.0019 time difference and $0.3667 - 0.0669 = 0.2998 = 0.3059 - 0.0061$ shows a difference of '100' with respect to oxy-time.

We can evaluate the length of stem cell factor (STF) from glycine where $669 + 248*2 = 1165$ and $220*2 - 75 = 365$ where $365 + 38 = 403$ (hydrophobic domain) and $0.1165 + 0.1894 = 0.3059(161)$ and correspondingly $0.1894 - 0.1165 = 0.0729 = 0.0326$ (deleted segment of STF^{220}) $+ 0.0403$ (hydrophobic domain) in STF.

It is seen $0.1894 - 0.1605 = 0.0289 = 289$ and 0.1932 (i.e. $0.1894 + 0.0038$) $- 0.1605 = 0.0327 = 327$ (mono de-oxy-nucleotide average mw: 327g/mol) where $289 + 113$ (6, factor of opposite) $= 402$ (i.e. $190 + 212 = 402$, hydro-phobic domain) $= 487$ (tri-de-oxy-nucleotide average mw: 487 g/mol) $- 85$ where $85 = 240 - 155$ (factor of opposite) and correspondingly $969 - 240 = 729$ where $969 = 418(22) + 551(29)$, intrinsic values in the structure.

Decimals have been avoided somewhere while 0.0425 can transits to 425 and amino acid anti-gravitational time (e.g. 0.1849 for tyr) may be assumed as horizontal time (ht).

A time difference of 0.0001-0.0002 is about common in the system.

2. Discussions

Stem cell factor is a hematopoietic cytokine, a glycosylated protein. Human stem cell factors STF[248] and STF[220] are originated from exon-6 having opposite directions where $402 - 154 = 248$ and $327 + 113(6) = 440$ and bisected. In STF structure the hydrophobic domain (190-212) and deleted amino acids (149-177) segment are interrelated. The deleted segment, $149 + 177 = 326$ while hydrophobic domain, $190 + 212 = 402 = 487 - 85$ (i.e. 0.1615, trp core values) and 85 is sub-divided as $85 = 62 + 23$ to complement the structure while $85 + 155$ (factor of opposite) $= 240 = 969 - 729$. Intrinsically, $969 = 418(22) + 551(29)$ where $212 - 190 = 22$ and $177 - 149 = 29$ with initiation point where 1605 (lunar gravity) $+ 364 = 1969$ in the structure. Derived from tyrosine 1894 (ht) $+ 1165 = 3059(161)$ while $1894 - 1165 = 729 = 575 + 154$ (factor of opposite) $= 364*2$ (app.), a structural shift from proline structural values $333(CCC) + 31 = 364$. It is seen $1932 - 1605 = 327$ (mono-de-oxy-nucleotide avg. MW) where $1932 - 1894 = 38$ and $1894 - 1605 = 289 = 402 - 113$ (6, factor of opposite) where $364 + 38 = 402 = 487$ (tri-de-oxy-nucleotide avg. MW) $- 85$. The complementation of $85 = 23 + 62$ would be 814 (i.e. $487 + 327$) $- 791 = 23$ where $814 + 791 = 1605$ (lunar gravity) and $1031 - 969 = 62$ where '1000' is a structural factor and $1606 - 1031 = 575 = 0.0575 = 0.3477(183) - 0.2902$ (i.e. $0.1451*2$), the electro-magnetic and gravitational difference in the structure.

The deleted segment is replaced by glycine residue where $75.0669 + 89.0935$(cleavage site, 165) $= 164.1604$ or 165.1605.

We can interpret STF elongation from glycine (75.0669) where $688 = 440 + 248$ and $364 + 76 = 440$ by one step-up 0.0019 or 1 in both sides. It is seen $669 + 154$ (factor of opposite) $= 823 = 1425(75) - 602$ where $602 + 220 = 822$ and $823 - 575 = 248$.

The core values or hidden time of glycine $= 75*0.0019 - 0.0669 = 0.0756$ or 0.1244 where 0.1000 (a structural factor) $- 0.0244 = 0.0756$ in the structure and the values 0.0729 can be subdivided as $0.0729 = 729 = 327 + 402 = 289 + 440$ in the molecular structure. The pre-transitional values of glycine $= 0.0669 - 0.0075 = 0.0594 = 0.1605 - 0.1011$ where $0.0593 = 0.0168$ (tyr resultant value) $+ 0.0425$ (opposite values of 0.1451) while $0.3059 = 0.1451 + 0.1608$ that shows 165.1605 is a significant values possesses core values 0.1530 (i.e. about halved of 0.3059). The cleavage site (165) in STF[248] would be a contradictory site of electro-gravity where $1605 - 165 = 1440 = 1031 + 409$ (proline pre-transitional values measured from lunar gravity) and 1196 (proline pre-transitional values) $- 1031 = 165$ in the biochemical complex.

In glycine 0.3059 transit to opposite side 161 where $756 - 594 = 161 + 1$ and correspondingly $0.1011 - 0.0594 = 0.0417 = 0.0418 - 0.0001$ where $0.3477(183) - 0.3059 = 0.0418$. Now, $183 - 161 = 22(0.0418) = 212 - 190$ (hydrophobic domain) and in opposite direction $402 - 344 = 58 = 0.1102 =$

$0.1605 - 0.0503$ where $503 + 165$ (cleavage site) $= 668$ and $1425(75) + 165 = 1590$ (cys ht) in the complex.

While opposite direction of time is a matter of stem cell factor, histidine (155.1552) is linked to the system. The pre-transitional values of his $= 0.1552 - 0.0155 = 0.1397 = 0.1605 - 0.0208$. In tyr-his complex, the pre-transitional values of tyr $= 0.1894 - 0.0181 = 0.1713 = 0.1605 + 0.0108$ and $208 + 108 = 316 = 326 - 10(0.0190)$ since tyr exists in upper level from lunar gravity shows $0.3667 - 0.3477 = 0.0190(10)$ is associated.

In opposite direction, $0.1605 - 0.1393$ (his core values) $= 0.0212 = 212 = (0.3477 + 0.0402) - 0.3667(193)$ while $212 + 154$ (factor of opposite) $= 366$ (or 0.0366 earth-moon curvature of time) aligned to 0.3477 and bisected to $183 + 209 = 392 = 402 - 10$.

Conversely, $0.3477 - 0.0326 = 0.3151 = 0.1606 + 0.1545$ (tyr core values) where $0.3667 - 0.3151 = 0.0516 = 516$ where $516 + 212 = 728$ and $516 - 190 = 326$ and also $516 - 212 = 304$ (oxy-time) where $516 + 153 = 669$ (gly ht) and $516 - 153 = 363$ in the structure.

In context of tyr-cys complex, 0.1583 (i.e. $0.1545 + 0.0038$) $- 0.1418$ (cys core values*2) $= 165$ (cleavage site) where $0.1605 - 0.1583 = 0.0022 = 22(0.0418)$ where $0.1894 - 0.0418 = 0.1476 = 0.3059 - 0.1583$ in the structure.

The values 85(0.1615, gravity in earth-moon context) is core values of tryptophan and 85 turned into opposite direction in STF while $402 = 487 - 85$ and $242 + 85 = 327$, a cys-trp complex is relevant. It is seen $0.3667 - 0.3477 = 0.0190(10)$ and $0.3667 - 0.2058$ (trp pre-transitional values) $= 0.1609 = 0.1615 - 0.0006$ and conversely $85 + 6 = 91$ (trp position in p53). The four cys residues in STF structure are cys138-cys43 and cys89-cys4 are intra-molecular disulphide pairs can be clarified as $89 + 4 = 93 = 154 - 61$ where $242 - (138 + 43) = 61$ and $272 + 181 = 453$ (pre-transitional values of trp measured from lunar gravity i.e. $0.2058 - 0.1605 = 0.0453$) and also $242 - 181 = 61 = 146$ (trp position in p53) $- 85$. The molecular point '138' would be significant for bio-activity is aligned to '61' for fundamental molecular structure. The two cysteine (121.1590) values 136*2 (derived from lunar gravity) and $121*2 = 242$ would exists in opposite direction where $272 - 242 = 30 = 32(0.0608) - 2(0.0038$, a significant values) and conversely $272 + 242 = 514 = 608 - 94$.

Lunar gravity and protein phosphorylation:

The phosphate group PO_4^{3-} having molecular weight 94.9714g/mol. The phosphorylation of tyr/ser/thr gives molecular weights 276.1608/200.0614/214.0911 respectively where $0.0911 + 0.0697 = 0.1608$ where $0.0911 - 0.0214 = 0.0697$ and are interrelated.

In cys-his complex, $121.1590 + 155.1552 = 276.3142$ is comparable to 276.1608 where $276 = 138*2$ and $0.3142 - 0.1608 = 0.1534$ (or, 0.0466) $= 767*2$ where $767 - 403 = 364 = 1131 - 767$ and $767 + 392$ (i.e. 0.1608) $= 0.1159(61)$ and also $425 - 276 = 149 = 155$ (factor of opposite⁻) $- 6$ (factor of opposite⁺) while $0.3059(161) = 0.1608 + 0.1451$.

The core values of $200.614 = 0.3186 = 0.1932$ (proportionate ht for 183) $+ 0.1254(66)$ where $0.1932 - 0.1254 = 0.0678 = 0.0351 + 0.0327$ based on lunar gravity. Correspondingly $487 - 351 = 136 = 291 - 155$ (factor of opposite) where 0.1545 (tyr core values) $- 0.1254 = 0.0291 = 0.0392$ (i.e. 0.1608) $- 0.0100$ approximately in the structure.

Again, $276.1608 - 200.0614 = 76.0994$ where $0.0994 - 0.0669$ (gly ht) $= 0.0325 = 325 = 425$ (opposite values of electromagnetic 0.1451) $- 100$ causes difference of 100 that would actuates influx of electro-gravitational values. Alternatively, $(0.1608 + 0.0614) - 0.0669 = 0.1553$ (his ht where 0.0001 has been complemented).

The values 276.1608 is associated with electromagnetic structure, $0.1608 + 0.1451 = 0.3059(161)$ while $238 - 183 = 55 = 155 - 100$ in the structure.

The values 0.1608 are significant for bio-activity as it covers a crucial relation among lunar time-lunar gravity-oxy-time and directional electro-gravitational chemistry that would be actuates influx of electro-gravitational impulses into the cell. The molecular values of lunar gravity would be a key factor to combat with cancer to intercept the influx provided highly experimentation.

3. Conclusions

The STF^{248} and STF^{220} are two anti-parallel stem cell factors that are aligned to fundamental molecular structure with its extended interface. The hydrophobic domain and deleted segment of STF are interrelated and linked to lunar gravity. Glycine shows opposite direction of time in tyrosine-cysteine complex. The molecular values of lunar gravity (0.1605) would be a key-point towards cancer remedy that needing highly experimentation.

REFERENCES

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