Nanometric Functions of Bioenergy
Erratum

1.) pg. 82: The expression on line 3

$\Delta S_{fusion} = \Delta H_{fusion}/T = 109.6$ kJ mol^{-1} per degree kelvin

should read

$\Delta S_{fusion} = \Delta H_{fusion}/T = 21.97$ J mol^{-1} per degree kelvin

2.) pg 126, 3rd paragraph, line 1

What tour proposed model

should read

What our proposed model

3.) pg. 143, 3rd paragraph, line 2

their role in disease

should read

Their role in disease

4.) pg. 228, 3rd paragraph, line 5

in aqueous solutions. rupturing. Conversely

should read

in aqueous solutions. Conversely

5.) pg. 229, 1st paragraph, line 9

bond can be formed

should read

bond that can be formed

6.) pg. 229, 1st paragraph, line 16

open angle of 118°

should read

open angle of 121°

7.) pg. 244, paragraph 2, line 8 -

confirmatory of our conceptual and functional contention that we may a priori

should read

confirmatory of our conceptual and functional contention that we may *not* a priori

8.) pg. 244, paragraph 3, line 1 -

in liquid water, the a physical cycle

should read

in liquid water, a physical cycle

9.) pg. 269, paragraph 2, line 4

porphyn rings

should read

porphyrin rings

10.) pg. 272, paragraph 4, line 6

functioning as an zero

should read

functioning as a zero

11.) pg. 276, last paragraph, line 1

Aetherometry here has something to say here -

should read

Aetherometry has something to say here -

12.) pg. 279, paragraph 3, line 4

To grasp the we need

should read

To grasp this, we need

13.) pg. 280, paragraph 2, line 3

energy by autonomous ordering

should read

energy by autonomously ordering

14.) pg. 286, paragraph 3, line 7

by of the properties of inertia

should read

by the properties of inertia

15.) pg. 294, paragraph 3, line 2

may be we should consider

should read

maybe we should consider

16.) pg. 301, paragraph 2, line 2

resonant to high-voltage (33keV)

should read

resonant to high-voltage (34keV)

17.) pg. 301, paragraph 3, line 6

that 500V ambipolar radiation the fiber emits.

should read

that 500eV ambipolar radiation the fiber emits.

18.) pg. 352, Fig. 34 - column 3, ECC column values:

0.401V

should read

-0.401V

19.) pg. 357, Fig. 39, column 5, row 2

$[10^{-14}M]$ $[2 * 10^{-14}M/[55.5M] = -29.267$

should read

$[10^{-14}M]$ $[10^{-14}M/[55.5M] = -29.744$

20.) pg. 364, Fig. 45, centerpoint value

22.123eV @ pH 7.0

should read

22.143eV @ pH 7.0

21.) pg. 367, Fig. 48 - missing parentheses

HFOT - log $(\alpha^{-12}10^{-12} = 13.7eV$

should read

HFOT - log $(\alpha^{-12}10^{-12}) = 13.7eV$

22.) pg. 368, Fig. 49 II., last column, last row

3.15nm

should read

315nm

23.) pg. 372, Fig. 53 - Bottom Acid-Base -> Redox 2 line

H_2 -> H+ OH^--> $2H^+ + 2e^-$

should read

H_2 -> H+ H^--> $2H^+ + 2e^-$

24.) pg. 374, Fig. 56 third from bottom left expression

$r_x/\pi = 2r_x = 0.909Å$

should read

$\lambda_x/\pi = 2r_x = 0.909Å$

25.) pg. 375, Fig. 58, Title

Nonovalent Bond

should read

Noncovalent Bond

26.) pg. 382, Fig. 66, Title

Lewis dot structures of some enzyme-based fundamental molecules

should read

Lewis dot structures of some fundamental oxygen molecules