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Correction

Correction: Limits of Feedback Control in Bacterial Chemotaxis

The *PLOS Computational Biology* Staff

There are multiple errors in this article.

In the Results section, subsection Analytical Model of the Drift Velocity as a Function of CheY-P Concentration, there is an error in Equation 3. The term e-t/τ_{R0} is incorrect. It should read $e^{-t/\tau_{R0}}$ Please view the complete correct equation here:

$$V_D = \frac{\tau_{R0}'}{1+\tau_{R0}/\tau}\frac{v(1-TB_0)}{d}\int_0^\infty \frac{e^{-t/\tau_{R0}}}{\tau_{R0}} f dt \approx \frac{\tau_{R0}'}{1+\tau_{R0}/\tau}\frac{(1-TB_0)v^2 Ng}{d} \quad (3)$$

In the Methods section, subsection Linear Expansion, the inline equation in the first paragraph is incorrect. Please view the complete correct equation here:

$$F(t,s,F_i) = F_0 + (F_i - F_0)e^{-t/\tau} + se^{-t/\tau}\int_0^t e^{u/\tau} f(u) du$$

In the Methods section, subsection Linear Expansion, the inline equation on line 30 is incorrect. Please view the complete correct equation here:

$$\langle t|\mathrm{s},F_{iR}\rangle \cong \tau_{R0}\left[1-\lambda_{R0}'\int_0^\infty e^{-t/\tau_{R0}}\Delta F(t|\mathrm{s},F_i)dt\right] + O(\Delta F^2)$$

In the Methods Section, subsection Motor Adaptations:

The subscript in the definition of the parameter k_{on} = 0.025 s^{-1} is incorrect. The correct subscript should be: k_{off} = 0.025 s^{-1}

The expression: "Δn = 4.16 , ε3,1 = 1.96 to reproduce [19] (Figure 5B insert). k_{off} = 0.0063 s^{-1}." is incorrect. The correction expression should be: "Δn = 2.74, $\varepsilon_{3,1}$ = 2.31 to reproduce [19] (Figure 5A). k_{on} = 0.0063s^{-1}."

In the Supporting Information Legends:

In the legend for Figure S4, k_{off} should be k_{on}.

In the legend for Figure S5, k_{off} = 0.0013 s^{-1} should be k_{on} = 0.0013 s^{-1}.

Reference

1. Dufour YS, Fu X, Hernandez-Nunez L, Emonet T (2014) Limits of Feedback Control in Bacterial Chemotaxis. PLoS Comput Biol 10(6): e1003694. doi:10.1371/journal.pcbi.1003694

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