

## Correction: Signal Propagation in Proteins and Relation to Equilibrium Fluctuations

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Correction for:

Chennubhotla C, Bahar I (2007) Signal propagation in proteins and relation to equilibrium fluctuations. PLoS Comput Biol 3(9): e172. doi: 10.1371/journal.pcbi.0030172

Four mathematical expressions appeared incorrectly. The correct expressions follow.

$$\hat{H}_n = \hat{I}^T \hat{D}_n \hat{I}^{-1} \quad (12)$$

$$H(j, i) = \sum_{k=1}^n \left\{ [\Gamma^{-1}]_{ki} - [\Gamma^{-1}]_{ji} - [\Gamma^{-1}]_{kj} + [\Gamma^{-1}]_{jj} \right\} d_k \quad (14)$$

The hitting time expression Equation 14 involves three different types of contributions: a one-body term that depends on the destination node,  $[\Gamma^{-1}]_{ji} \sum_{k=1}^n d_k$ ; a two-body term that depends on the initial and final nodes,  $-[\Gamma^{-1}]_{ji} \sum_{k=1}^n d_k$ ; and a series of three-body terms that depend on intermediate nodes, in addition to the two end points,  $\sum_{k=1}^n ([\Gamma^{-1}]_{ki} - [\Gamma^{-1}]_{kj}) d_k$ .

**Derivation of Equation 14.** The discussion below borrows from results in [12,13]. Deriving  $\hat{I}^{-1}$  from  $\Gamma^{-1}$  is a three-step process: ...

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