## Erratum: DNA unhooking from a single post as a deterministic process: Insights from translocation modeling [Phys. Rev. E 79, 031928 (2009)]

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When describing the translocation of a chain through a membrane, the Fokker-Planck equation is written in terms of the coordinate number n, corresponding to the number of segments on one side of the membrane, rather than the offset x [1]. A change of variables is then necessary to obtain the appropriate equation in terms of the offset. Accordingly, Eq. (1) should read

$$\frac{\partial p}{\partial t} = 4D \frac{\partial}{\partial x} \left[ \frac{\partial p}{\partial x} + \frac{1}{k_B T} \frac{\partial U(x)}{\partial x} p \right]$$

with  $p(x,0)=2\delta(x_0)$ . It follows that Eq. (5) should be

$$p(r,0) = 2\delta(r_0)$$
.

Equation (3) also contains a typographical error and should read

$$\frac{\partial p}{\partial \tau} = \frac{2}{N} \frac{\partial}{\partial r} \left( \frac{\partial p}{\partial r} - \frac{\text{Pe}}{2} r p \right).$$

The remainder of the paper and its conclusions are not affected by these corrections.

[1] W. Sung and P. J. Park, Phys. Rev. Lett. 77, 783 (1996).

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