

Errata

Equation (9) and the surrounding text should read:

Buffering in the JSR by calsequestrin uses the rapid buffering approximation (Smith et al., 1996) given by:

$$\beta_{JSR} = \left[1 + \frac{[CSQ]_{Total} K_{CSQ}}{(K_{CSQ} + [Ca^{2+}]_{lumen})^2} \right]^{-1}$$

(9)

where $[CSQ]_{Total}$, and K_{CSQ} represent the total calsequestrin concentration and Ca^{2+} -dissociation constant, respectively, of calsequestrin.

Equation (12) should read

$$K_m = 17.14 - 0.00686[Ca^{2+}]_{lumen} \mu M$$

(12)

This correction is posted at http://www.binf.gmu.edu/jafri/models/spark_errata.pdf. We apologize for this error and any inconvenience it might have caused the readers of the *Biophysical Journal*.