CORRIGENDA

Volume 253, November 1987
Volume 22, November 1987

Pages C721-C730: Shi Liu, Ron Jacob, David Piwnica-Worms, and Melvyn Lieberman. "(Na + K + 2Cl) cotransport in cultured embryonic chick heart cells." Page C721: first and second sentences, second paragraph, second column, should read "In this study, coupled ion movements are investigated using Na-, K-, and Cl-selective microelectrodes, in contrast to previous work (30), in which we determined the contents of Na, K, and Cl by atomic absorption spectrophotometry (Na and K) or coulometric titration (Cl). We find that Cl-HCO3 exchange does not appear to contribute to the maintenance of a high aCl in the resting steady state." C722: Eq. 1 should read

\[ a^i_s = 10^{(V_{Na} - E_{K})/9} = \Sigma K_{xy}(a^j_x)^{1/3} \]  

Pages C731-C743: Leslie Anderson Lobaugh and Melvyn Lieberman. "Na-K pump site density and ouabain binding affinity in cultured chick heart cells." C731: second line of the abstract should read "[^H]ouabain bound to a single class of sites in 0.5 mM K (0.5 K) with an association rate constant \( k_{1+} \) of 3.4 \( \times \) \( 10^4 \) M\(^{-1}\) \( \cdot \) s\(^{-1}\) and a dissociation rate constant \( k_{1-} \) of 0.0095 s\(^{-1}\)." Second to last sentence before METHODS should read "We find that ouabain binds to a single class of sites in cultured chick heart cells." C735: second to last sentence, third paragraph, should read "Using this assumption and data presented in Fig. 3C, we calculated \( k_{1+} = 3.7 \times 10^7 \) M\(^{-1}\) \( \cdot \) h\(^{-1}\) and \( k_{1-} = 0.11 \) h\(^{-1}\)." C736: fourth and fifth sentences in Effect of Na should read "\(^{42}K" uptake was approximately linear for 2 min (Fig. 6). Fifty-eight percent of \(^{42}K" uptake was ouabain sensitive (Table 3) and is assumed to represent transport by the Na-K pump." C739: second sentence in DISCUSSION should read "Although convincing evidence has been presented for a direct relationship between glycoside binding, consequent Na-K pump inhibition, rise in intracellular Na activity \( (a^i_{Na}) \) and increase in contractile force in digitalis-sensitive cardiac preparations (16), the results of other studies argue that Na-K pump inhibition is not a prerequisite for glycoside-induced inotropy." Second to last sentence, first paragraph, second column, should read "Although the existence of a second class of higher affinity binding sites could explain a biphasic dissociation curve, the absence of detectable high affinity binding at equilibrium and the fact that 7% of specifically bound \[^{3}H\] ouabain could not be dissociated under these experimental conditions imply that other explanations are more likely, e.g., underestimation of nonspecific binding, inability to achieve true "infinite dilution" conditions in the absence of perfusion, existence of a pool of irreversibly or slowly releasable ligand."