

# ADDITIONS AND CORRECTIONS

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**Mauro Giustini, Francesco Castelli, Ivan Husu, Marcello Giomini, Antonia Mallardi, Gerardo Palazzo\*:** Influence of Cardiolipin on the Functionality of the Q<sub>A</sub> Site of the Photosynthetic Bacterial Reaction Center

Page 21193. The following three lines contain a wrong sign:

“...constant  $k$  on the driving force  $\epsilon$ , the reorganization energy  $\lambda$ , ...” should read “constant  $k$  on the driving force  $-\epsilon$ , the reorganization energy  $\lambda$ , ...”

“...transfer increases ( $\epsilon$  becomes more negative) leaving essentially...” should read “...transfer increases ( $-\epsilon$  becomes more negative) leaving essentially...”

“...recombination ( $\Delta\epsilon = \epsilon^{\text{CL}} - \epsilon^{\circ} = -30$  meV) one can rewrite” should read “recombination ( $\Delta\epsilon = \epsilon^{\text{CL}} - \epsilon^{\circ} = +30$  meV) one can rewrite...”

Page 21194: The third equality in equation A2 refers to the fraction  $F^*$ . The correct equation is:

$$F^{\circ} = \frac{[\text{P}^+ \text{Q}_\text{A}^-]_t}{[\text{P}^+]_{t=0}} = \frac{[\text{PQ}_\text{A}]}{[\text{RC}]_{\text{tot}}}$$

$$F^{\text{I}} = \frac{[\text{P}^+ \text{Q}_\text{A}^- \cdot \text{CL}]_t}{[\text{P}^+]_{t=0}} = \frac{[\text{PQ}_\text{A} \cdot \text{CL}]}{[\text{RC}]_{\text{tot}}}$$

$$F^* = \frac{[\text{P}^+ \text{Q}_\text{A}^- \cdot (\text{CL})_n]_t}{[\text{P}^+]_{t=0}} = \frac{[\text{PQ}_\text{A} \cdot (\text{CL})_n]}{[\text{RC}]_{\text{tot}}} \quad (\text{A2})$$

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