

## CORRECTION

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## Correction: The influence of electron utilization pathways on photosystem I photochemistry in *Synechocystis* sp. PCC 6803

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Correction for 'The influence of electron utilization pathways on photosystem I photochemistry in *Synechocystis* sp. PCC 6803' by Sharon L. Smolinski *et al.*, *RSC Adv.*, 2022, **12**, 14655–14664, <https://doi.org/10.1039/d2ra01295b>.

The authors regret that in the Experimental section on Page 14657, there are six instances where the abbreviations of micromolar ( $\mu\text{M}$ ), microliter ( $\mu\text{l}$ ) and microgram ( $\mu\text{g}$ ) are incorrectly noted as "mM", "ml" and "mg". The corrected units are given below:

### Section 2.6. Fluorescence emission analysis

Fractions containing PSI trimers and monomers that were isolated using anion-exchange chromatography were normalized to 3.0  $\mu\text{g}$  chl per ml and were measured at 77 K to quantify  $P_{700}$ . Fractions containing PSI monomers and trimers that were isolated using sucrose gradients were normalized to 16  $\mu\text{g}$  chl per ml and were measured at room temperature and 77 K to determine spectral properties.

### Section 2.7. $P_{700}$ spectroscopic analysis

$P_{700}$  spectroscopic analysis on isolated fractions containing PSI monomers or trimers were normalized to equivalent amounts of  $P_{700}$  (0.84  $\mu\text{mol}$ ) and measured using 720 nm actinic light. Samples (2 ml) were placed in a quartz cuvette containing  $P_{700}$ , 10 mM sodium ascorbate, and 10  $\mu\text{M}$  2,6-dichlorophenolindophenol (DCPIP) in 20 mM HEPES–NaOH, pH 7.5, with 10 mM  $\text{CaCl}_2$ , 10 mM  $\text{MgCl}_2$ , 10 mM NaCl, and 0.04% DDM.

### 2.8. Flavodoxin photoreduction assays

In order to determine the capacity of PSI monomers and trimers to transfer electrons out of PSI, equivalent amounts of  $P_{700}$  (44 nmol) were added to a quartz cuvette containing 10 mM sodium ascorbate, 30  $\mu\text{M}$  phenazine methosulfate, and 100  $\mu\text{M}$  flavodoxin (Fld), in 20 mM HEPES–NaOH, pH 7.5, with 10 mM  $\text{CaCl}_2$ , 10 mM  $\text{MgCl}_2$ , 10 mM NaCl, and 0.04% DDM, at a final volume of 350  $\mu\text{l}$ , similar to ref. 26.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

