

Structure and mechanism of copper–carbonic anhydrase II: a nitrite reductase. Corrigendum

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Statements in the article by Andring *et al.* [*IUCrJ*, (2020), **7**, 287–293] are corrected.

Keywords: catalytic metal ions; copper–carbonic anhydrase II; apo-carbonic anhydrase II; nitrite reductases; nitric oxide; X-ray crystallography

The following statements in the article by Andring *et al.* (2020) are corrected:

(a) On page 288, ‘recent reports have shown that CAII can also reduce nitrite (NO₂[−]) to nitric oxide (NO), and thus, may play a role in vasodilation and regulation of blood pressure (Andring *et al.*, 2018; Aamand *et al.*, 2009; Hanff *et al.*, 2018).’ should read ‘recent reports have shown that CAII can also reduce nitrite (NO₂[−]) to nitric oxide (NO), and thus, may play a role in vasodilation and regulation of blood pressure (Aamand *et al.*, 2009).’. Hanff *et al.* (2018) did not show reduction to NO but instead showed nitrite dehydratase activity, which is not a redox reaction.

(b) On pages 288–299, ‘However, when dialyzed with ethylenediaminetetraacetic acid (EDTA), the enzyme retained its carbonic anhydrase activity yet lost its nitrite reductase activity (Hanff *et al.*, 2018)’ should read ‘However, when dialyzed with ethylenediaminetetraacetic acid (EDTA), the enzyme retained its carbonic anhydrase activity yet lost its nitrite reductase activity (Andring *et al.*, 2018)’.

(c) And on page 291, ‘... indicating that a metal cofactor within the bovine blood was needed for the CAII-dependent nitrite reductase activity (Andring *et al.*, 2018; Hanff *et al.*, 2018)’ again should not cite Hanff *et al.* (2018) and should read ‘... indicating that a metal cofactor within the bovine blood was needed for the CAII-dependent nitrite reductase activity (Andring *et al.*, 2018)’.

References

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