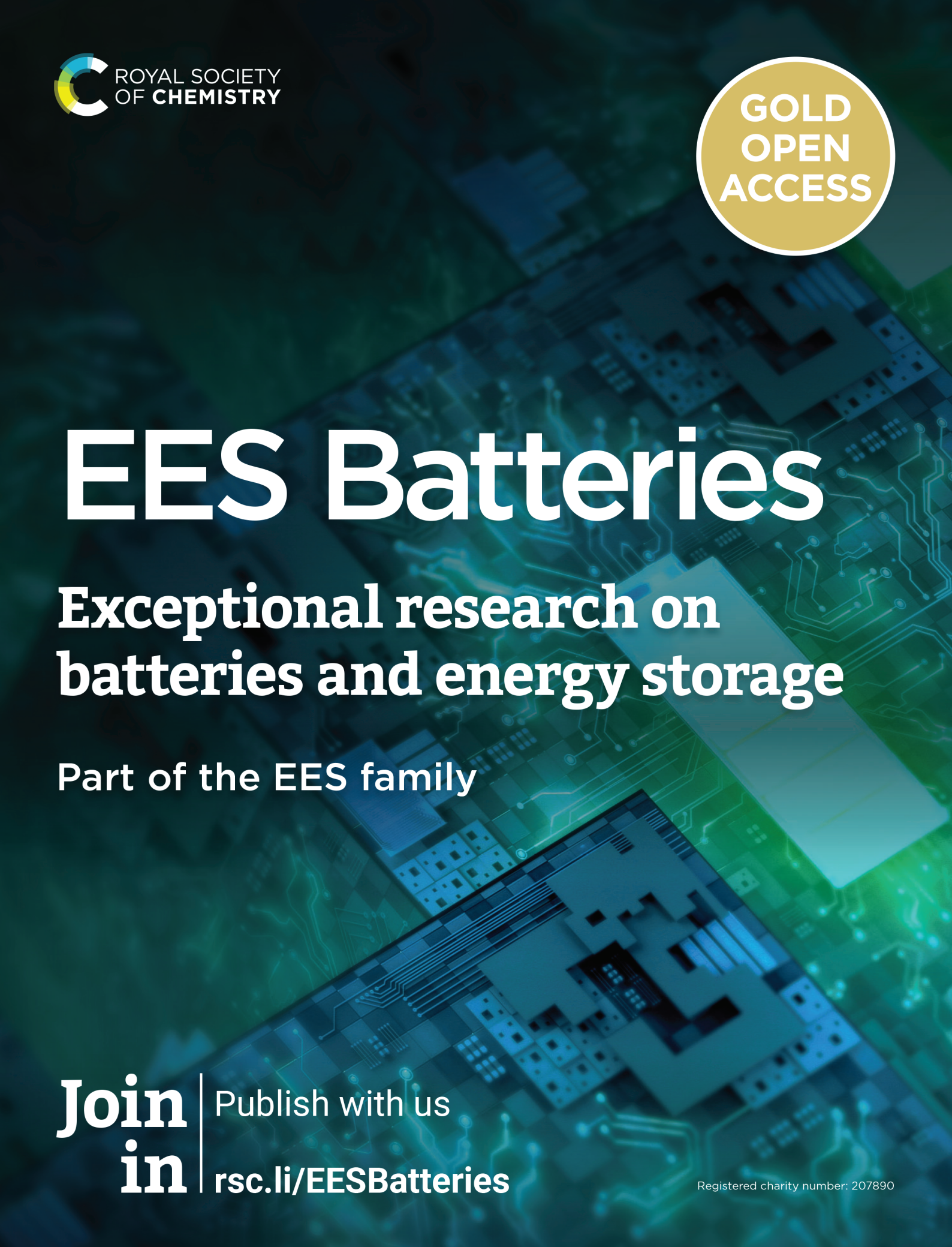
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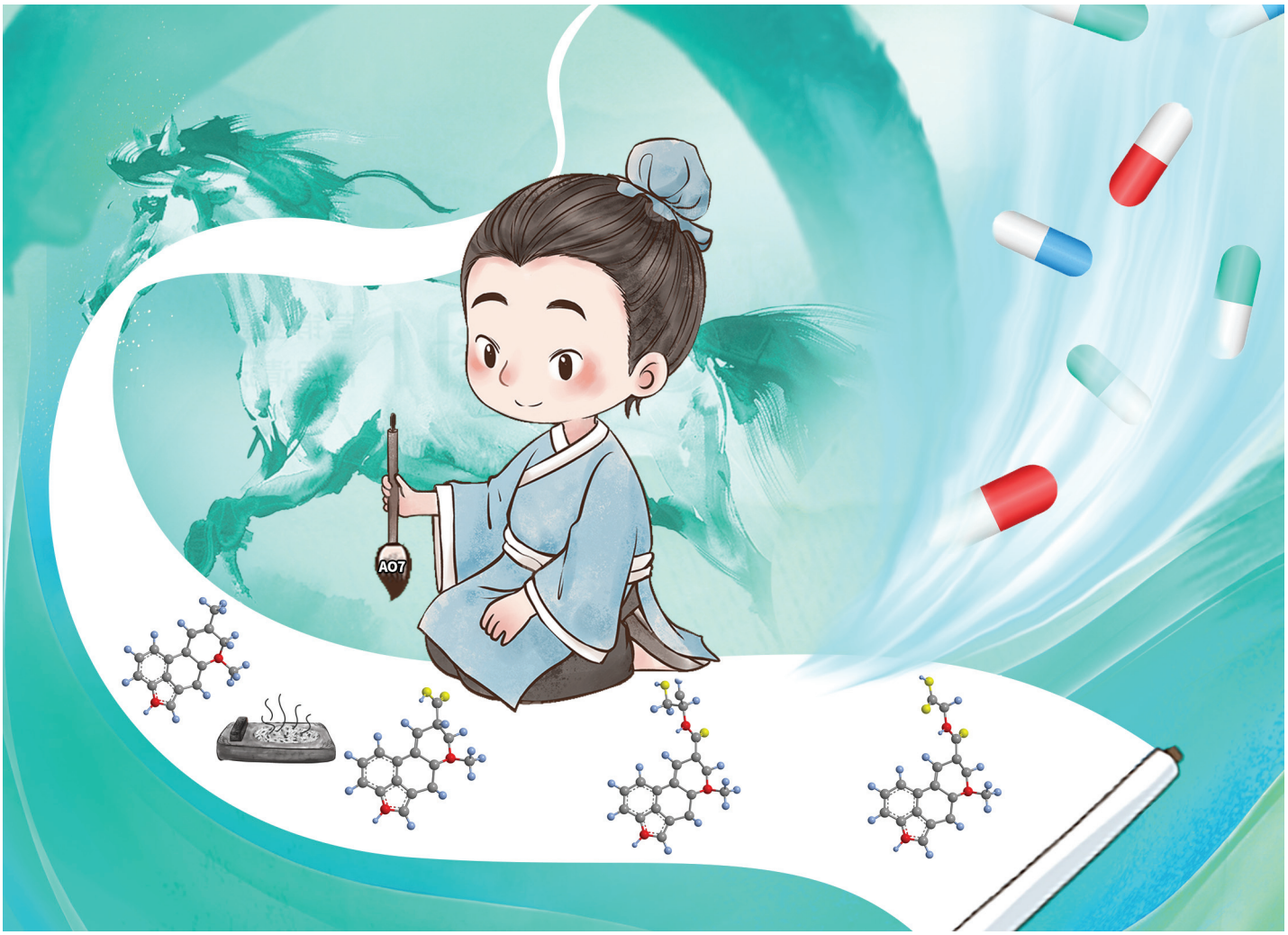

An article presented by Professor Zhihua Zhou and Associate Professor Pingping Wang *et al.* from CAS Center for Excellence in Molecular Plant Science, Chinese Academy of Sciences (CAS), China and Professor Gen Zou from Shanghai Academy of Agriculture Science, China.

Engineering industrial fungus *Aspergillus oryzae* for the sustainable biosynthesis of ergot alkaloids.

Traditionally employed in food fermentation, the industrial fungus *Aspergillus oryzae* has been genetically reprogrammed into a high-performance cell factory capable of *de novo* production of lysergic acid and downstream ergot alkaloids, including ergometrine and its analogs. This work paves the way for sustainable and eco-friendly manufacturing of ergot alkaloid-based pharmaceuticals.

As featured in:

See Gen Zou, Zhihua Zhou, Pingping Wang *et al.*, *Green Chem.*, 2025, **27**, 438.

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