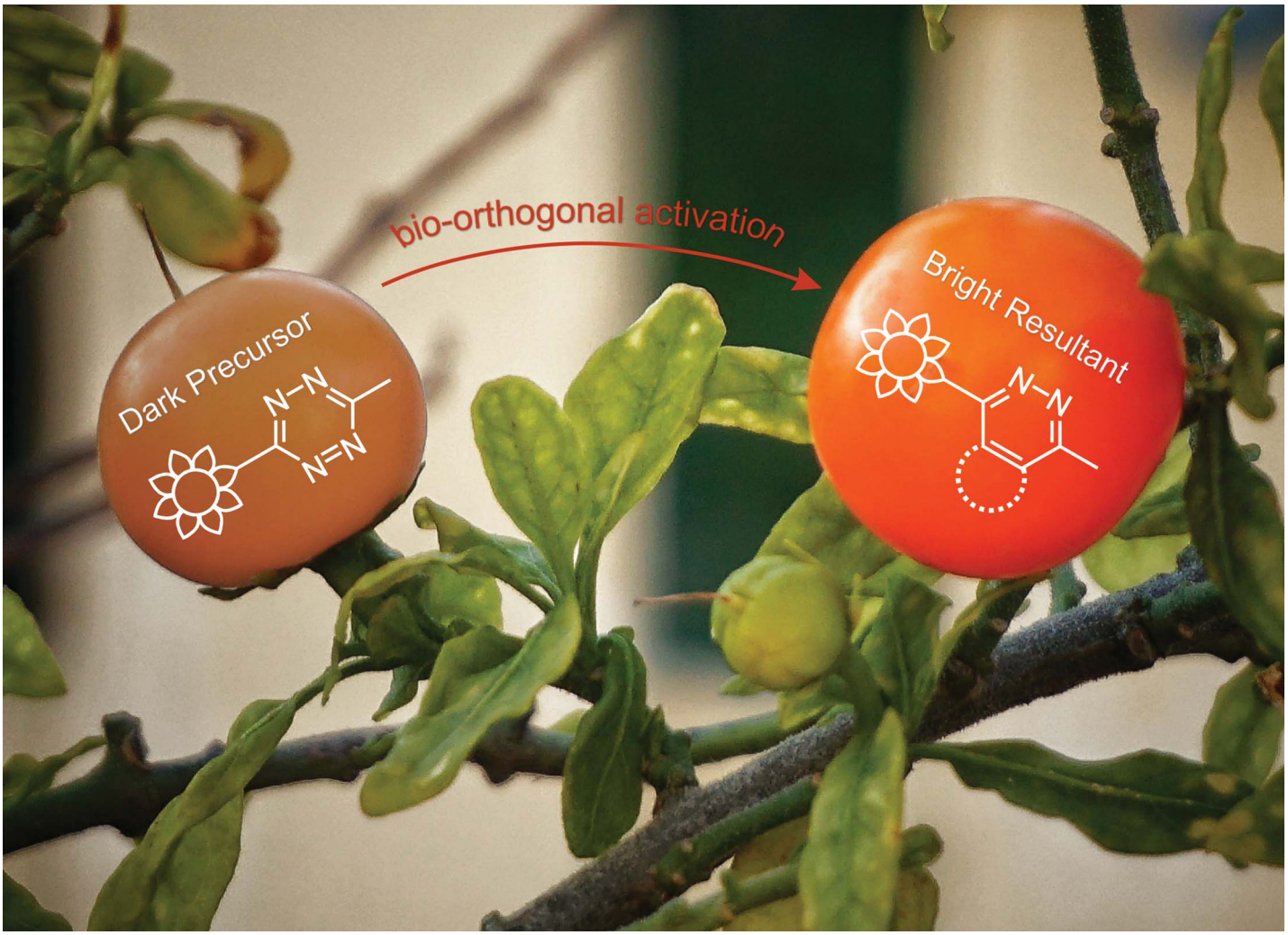

Showcasing research from Tianruo Shen and Xiaogang Liu, Science, Mathematics and Technology Cluster, Singapore University of Technology and Design, Singapore.

Unveiling the photophysical mechanistic mysteries of tetrazine-functionalized fluorogenic labels

This image contrasts a dark, unripe persimmon with a bright, mature one, visually symbolizing the fluorescence recovery of a tetrazine-based fluorogenic label. In bio-orthogonal reactions, the tetrazine fragment undergoes a transformation that restores fluorescence, akin to the persimmon's color change as it ripens.

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As featured in:

See Tianruo Shen and Xiaogang Liu, *Chem. Sci.*, 2025, **16**, 4595.

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