

ADVANCED SCIENCE

The background of the entire page is an illustration of a traditional Chinese waterwheel (shui cheng) in a pond. The waterwheel is made of wooden slats and is shown in motion, with water splashing from its buckets. Two bamboo pipes are positioned at the top left, pouring water into the wheel. The pond is filled with green lotus leaves and several pink lotus flowers in various stages of bloom. The sky is a light, textured grey with a few birds flying. The overall style is a soft, painterly illustration.

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TRIMODAL THERAPY

A tumor vascular-targeted interlocking trimodal nanosystem that induces and exploits hypoxia is described by Hong-Zhuan Chen, Chao Fang, and co-workers in article number 1800034. In the image, the two streams of water from bamboo pipes and the rotary waterwheel are shown to represent verteporfin for vascular-targeted photodynamic treatment and HIF-1 α siRNA for elevated activating reductases (CYP450), which can trigger the activation of AQ4N (a hypoxia-activated prodrug).