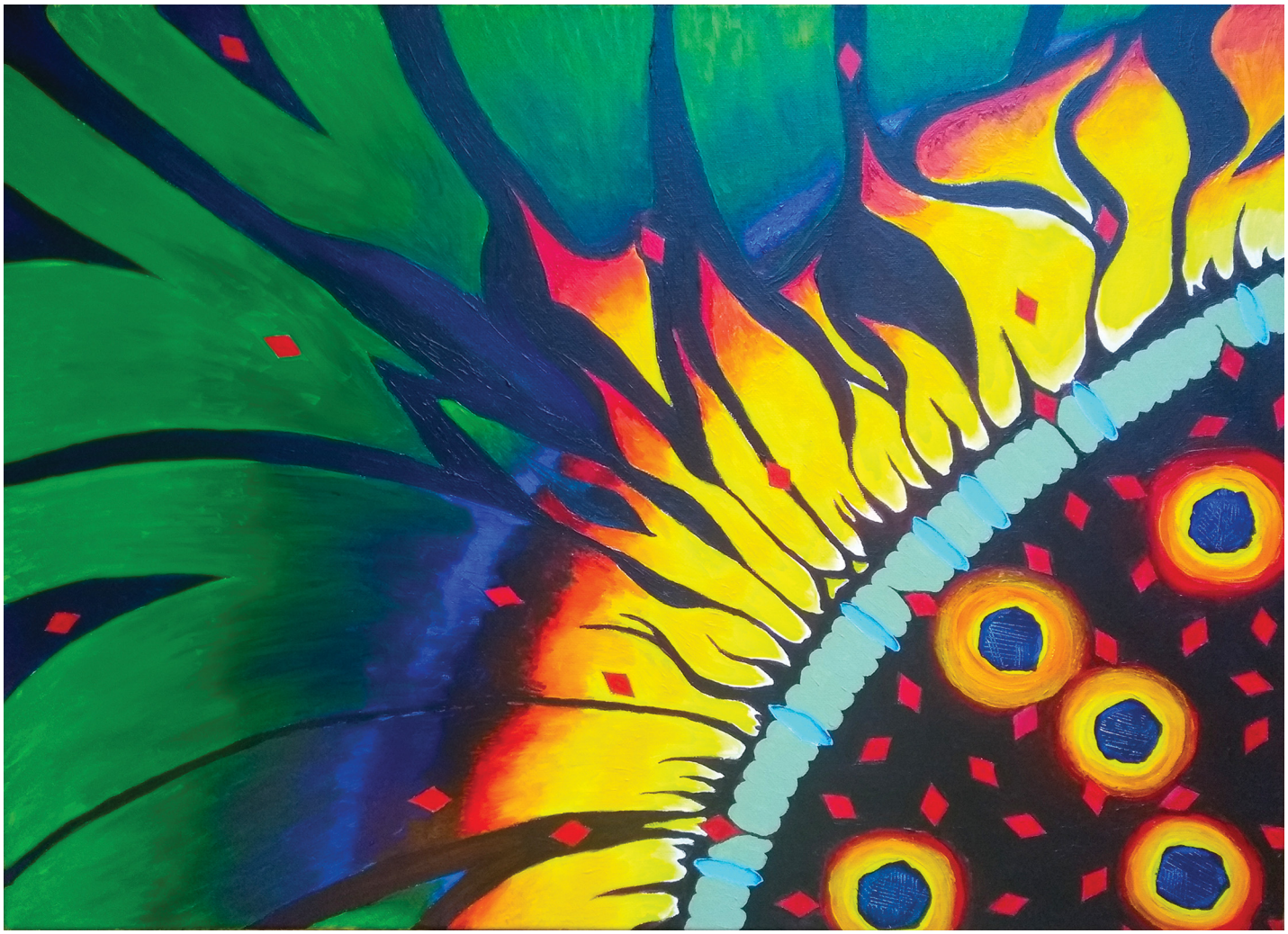

Showcasing research from Dr Drake *et al.*, Polymer Biomaterials Laboratories, School of Chemistry and Biosciences, University of Bradford, West Yorkshire, UK.

Magnetically induced drug release from niosome-based nanocarriers loaded with doxorubicin

The work was a collaboration with Airlangga University covering the synthesis of stimuli-responsive drug delivery systems designed to release doxorubicin on activation of a magnetic field. Niosomes were loaded with magnetic nanoparticles and doxorubicin, on exposure to an alternating magnetic field, the nanoparticles produce heat, releasing the doxorubicin in a burst with a rate constant four orders of magnitude greater than the thermal release at the same temperature. The artwork was produced by Philip Drake to represent the abstract dance between the magnetic field, thermal convection and magnetic nanoparticles.

Image reproduced by permission of Philip Drake from *Soft Matter*, 2025, **21**, 6197

As featured in:

See Philip Drake *et al.*, *Soft Matter*, 2025, **21**, 6197.

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