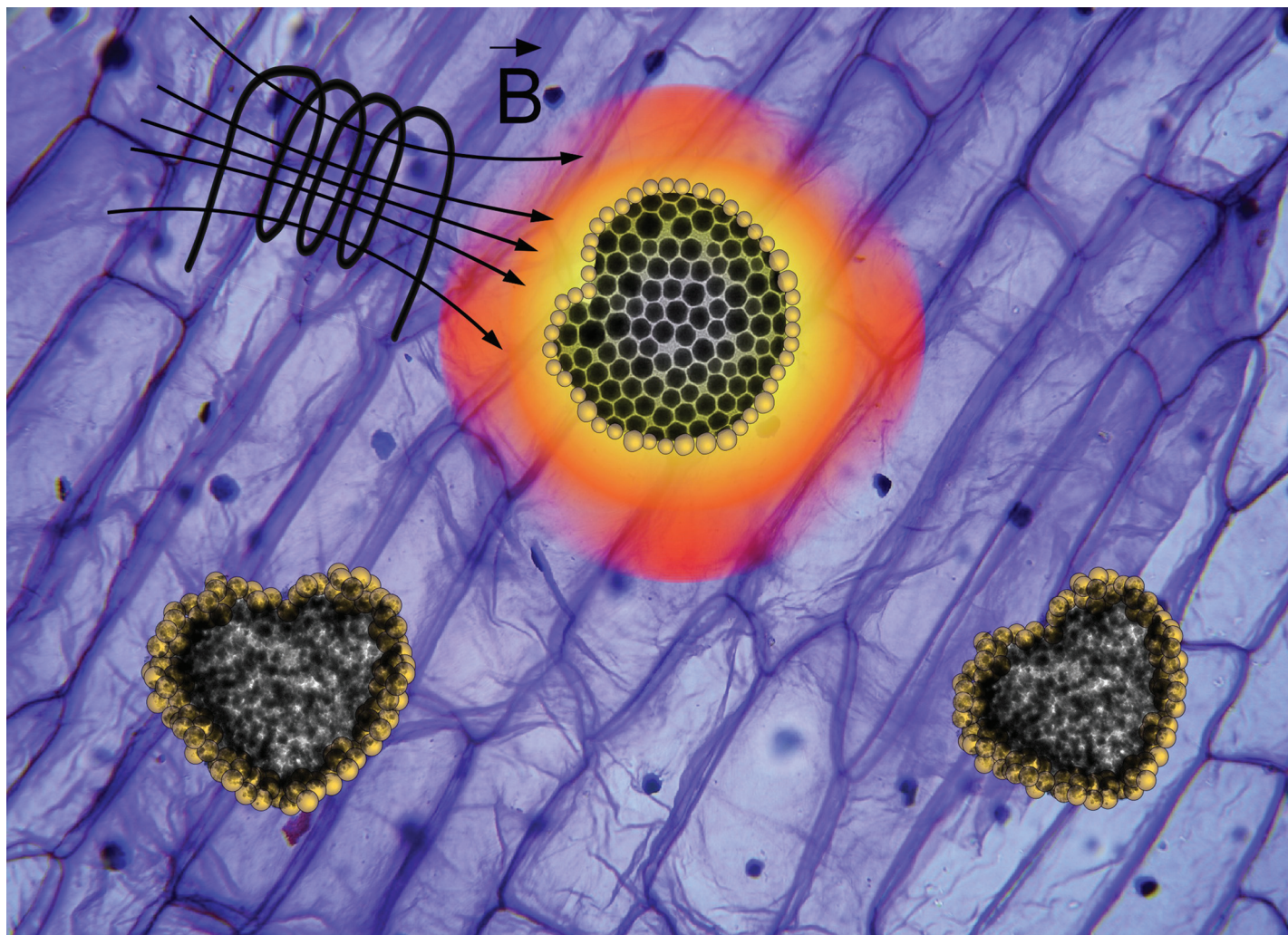




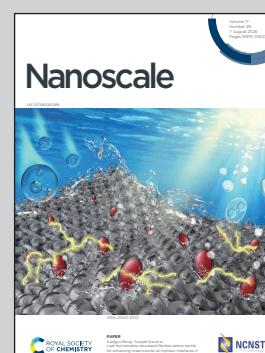
Showcasing research led by Prof. Nguyen T. K. Thanh's group at University College London, UK. This work was carried out with contributions from colleagues at the Laboratory of Coordination Chemistry (LCC-CNRS, Toulouse, France), the University of Vigo, Spain, and the Aristotle University of Thessaloniki, Greece.

A parametric study on CoFe-based ferrite and alloy nanoparticle synthesis

The exploratory systematic synthesis of cobalt ferrite and FeCo alloy nanoparticles *via* colloidal chemical routes is presented in this work. A range of parameters were investigated so as to unravel their effect on properties of the resulting nanostructures such as composition, size, shape, magnetism and heating efficiency.

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See Stefanos Mourdikoudis, Nguyen Thi Kim Thanh *et al.*, *Nanoscale*, 2025, **17**, 17110.