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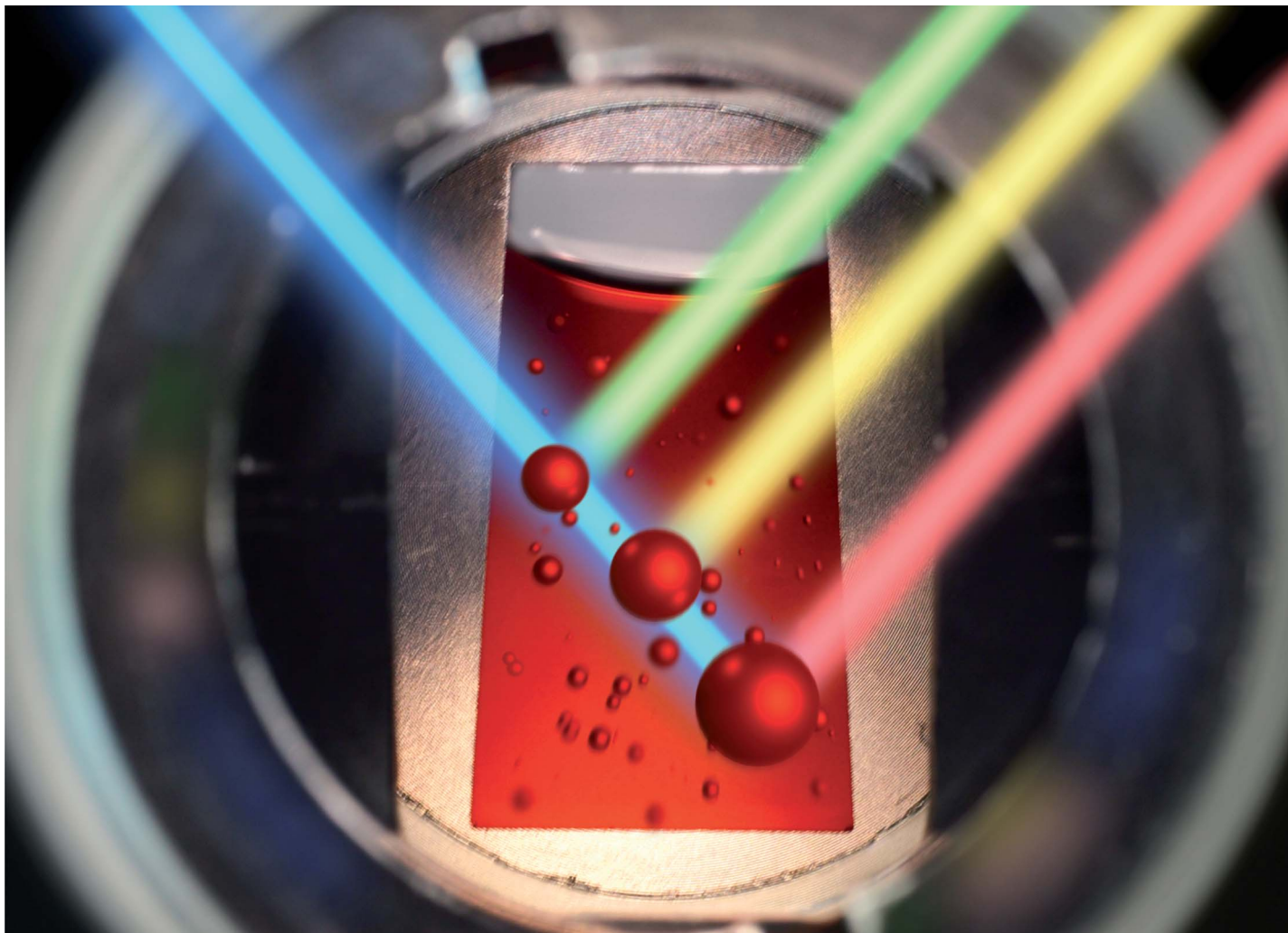


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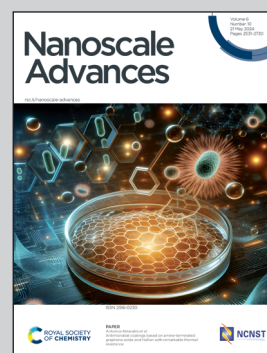


**Showcasing research from the Institute of Particle Technology and the Interdisciplinary Center for Functional Particle Systems at the Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany.**

Development of an advanced multiwavelength emission detector for the analytical ultracentrifuge

An advanced design of the multiwavelength emission detector for the analytical ultracentrifuge is presented, which offers improved spectral resolution, reduced systematic signal noise, and an increased dynamic range for studying samples in a broad concentration range. Our detection system provides the unique capability to determine coupled hydrodynamic and emission properties of particles and macromolecules, giving rise to the size-, shape-, or composition-dependent fluorescence spectra of disperse systems.

**As featured in:**



See Johannes Walter *et al.*,  
*Nanoscale Adv.*, 2024, **6**, 2611.