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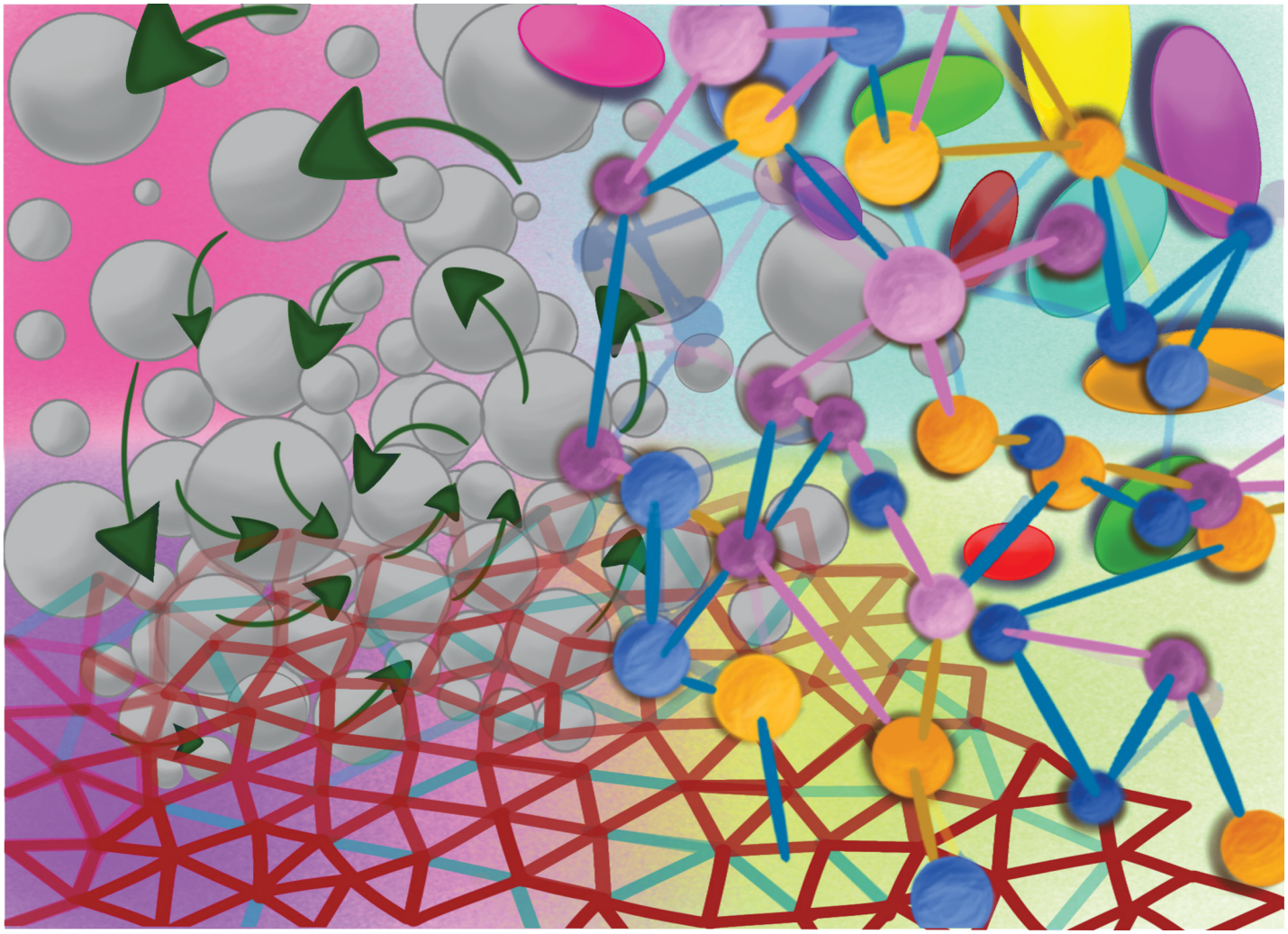

Showcasing simulations overlapped with the mesoscale analysis performed in collaboration between Case Western Reserve University and Kyoto Sangyo University.

Scaling relationships between viscosity and diffusivity in shear-thickening suspensions

Monolayer of spherical suspensions simulated by lubrication flow discrete element (LF_DEM) simulations that exhibit shear thickening behavior. The velocity correlations and mean-squared displacement have been examined for different packing fractions. A one-to-one relation between rheology and mesoscale analysis has been uncovered which is independent of friction and system size.

Artist credit: Emily Wilson

As featured in:

See Abhinendra Singh and Kuniyasu Saitoh, *Soft Matter*, 2023, **19**, 6631.

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