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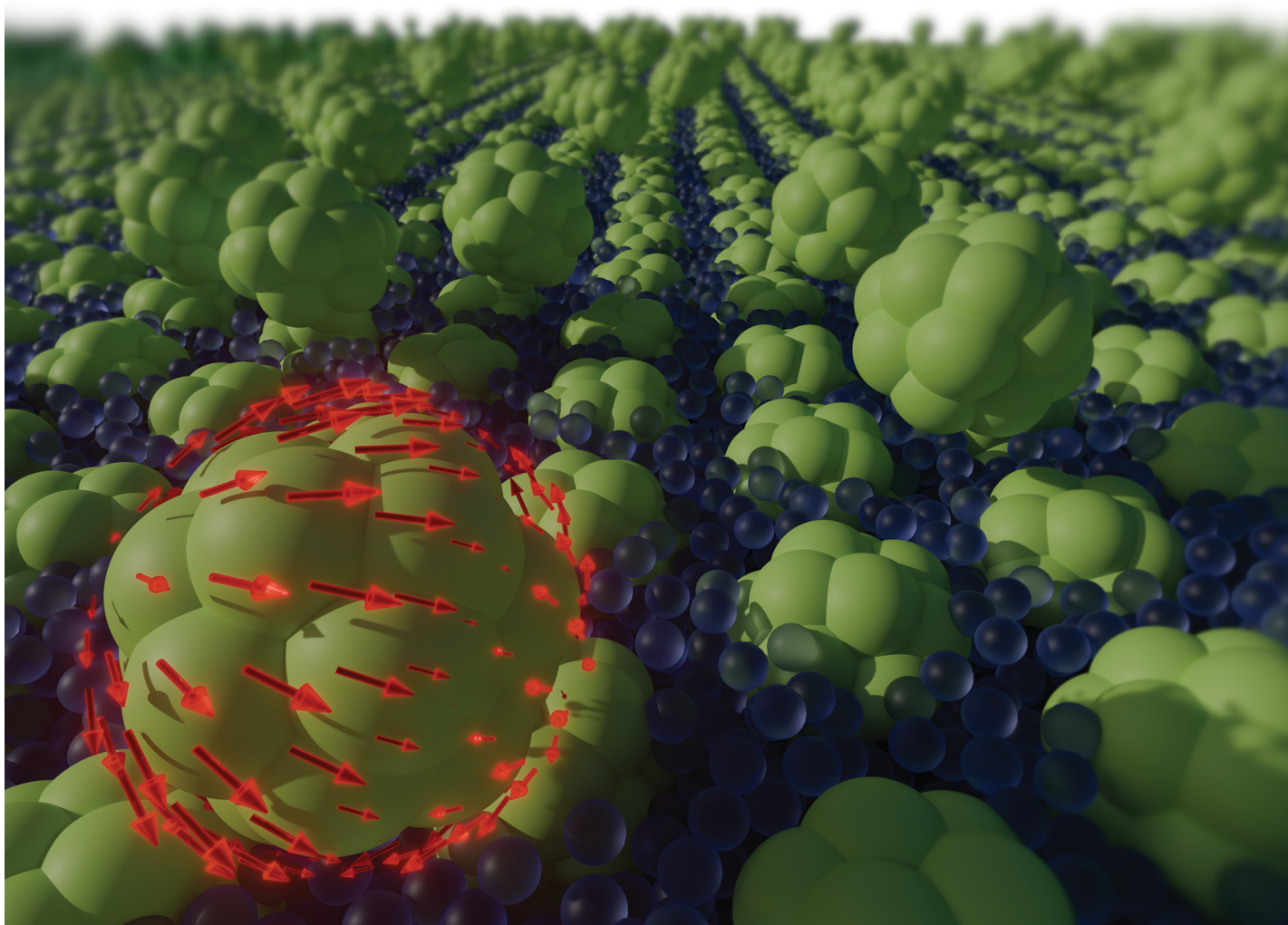
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**Showcasing research from Professor Valeriani's group,
Departamento de Estructura de la Materia, Fisica Termica y
Electronica, Universidad Complutense de Madrid, Spain.**

Sedimentation and structure of squirmer suspensions under gravity

We study the effect of gravity on the collective motion of microswimmers using dissipative particle dynamics simulations. First, we analyze the sedimentation of passive colloids and puller/pusher microswimmers under increasing gravity, comparing with previous results. Once sedimented, the bottom layer transitions into a hexagonal crystal-like structure. Unlike passive colloids, both pullers and pushers efficiently anneal defects, with pullers better preserving hexagonal order at high gravity.

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As featured in:



See C. Miguel Barriuso G.,
Chantal Valeriani *et al.*,
Soft Matter, 2025, **21**, 1010.