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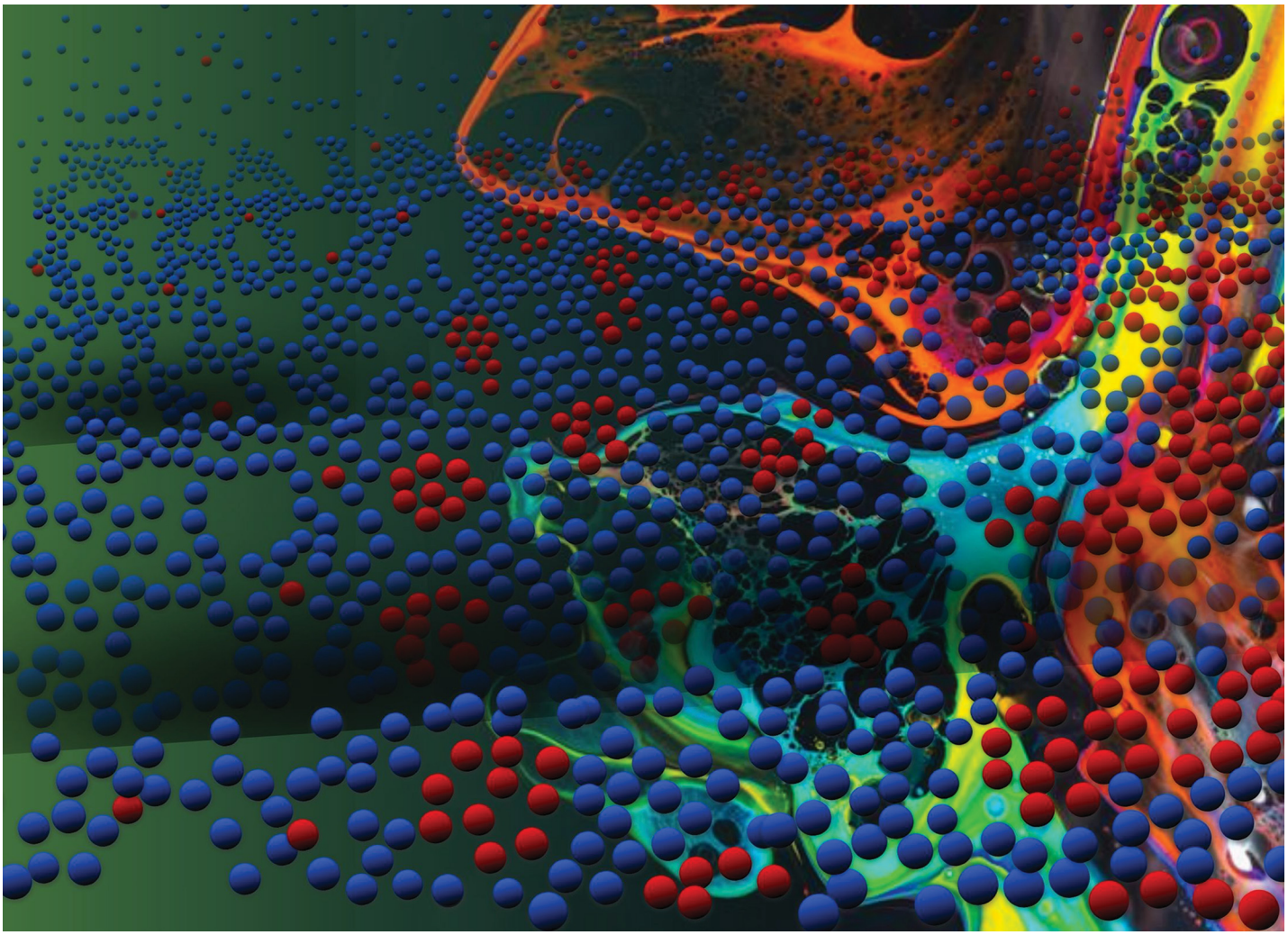

Highlighting research conducted by Oksana Patsahan from the Institute for Condensed Matter Physics, NASU, Ukraine, Ariel Meyra from Instituto de Física de Líquidos y Sistemas Bilógicos, UNLP-CONICET, Argentina and Alina Ciach from the Institute of Physical Chemistry, PAS, Poland. Our international team continues collaboration initiated within the European H2020 MSCA RISE project 'Effects of confinement on inhomogeneous systems'.

Spontaneous pattern formation in monolayers of binary mixtures with competing interactions

We show incredible complexity of self-assembly in mixtures of particles or proteins adsorbed at interfaces or embedded in lipid bilayers when electrostatic and solvent-induced interactions are of opposite sign. Thermodynamic states with spontaneously emerging patterns are found theoretically and verified by simulation.

As featured in:

See A. Ciach *et al.*, *Soft Matter*, 2024, **20**, 1410.

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