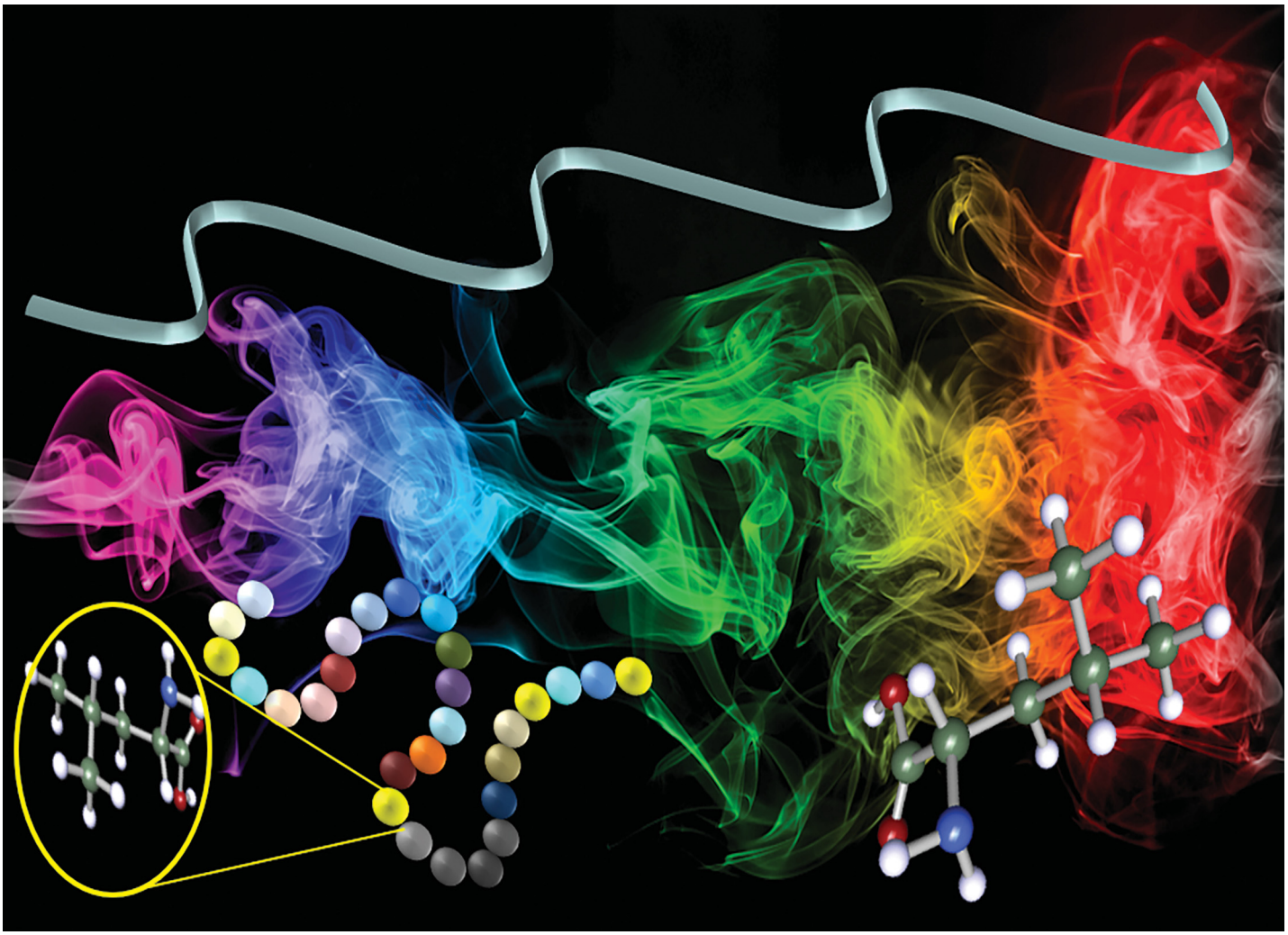
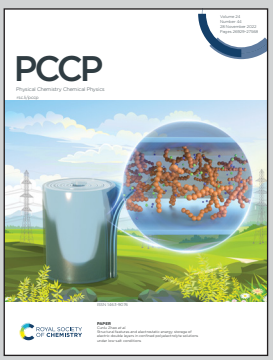


Showcasing research from the group of Professor Alain Hédoux in UMET, University of Lille

Identification of incommensurability in L-leucine: can lattice instabilities be considered as general phenomena in hydrophobic amino acids?

Fundamental research developed in the Hédoux group focusses on the structure and dynamics of molecular glass-forming materials with applications in the pharmaceutical area. A major concern is the control and manipulation of the material physical state for improving bioavailability and stability, from understanding phase transition mechanisms. Amino acids are widely used as excipients in freeze-dried, spray-dried, co-amorphous formulations, and as building blocks of proteins. Predicting their dynamical instabilities is a crucial issue for stabilizing active molecules and biomolecules.

As featured in:



See Alain Hédoux *et al.*, *Phys. Chem. Chem. Phys.*, 2022, **24**, 27023.

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