

## Active matter under arrest: an ongoing investigation

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Living systems are an important class of active matter in which the emergence of structure, function and perhaps the living state itself, relies on active flows. Generically, the underlying lack of detailed balance at the microscopic level in active matter gives rise to spontaneous currents and stresses resulting in macroscopic flows. After discussing this viewpoint briefly, I will describe our recent attempts to understand arrested states of active matter and will speculate on their role in the evolutionary dynamics of cells and cellular populations.

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**MPIDS, Prandtl lecture hall, building AI,  
Am Faßberg 11, Göttingen**

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Dynamics of complex fluids - Nonequilibrium soft matter group**

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