

Postdoctoral position: “Structure of active liquids”

Supervision: [Vincent Démery](#).

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Starting: March 1st 2021 at last.

Duration: 1 year.

Our goal is to develop an understanding of the structure of active liquids via their pair correlation, as has been done for equilibrium liquids. We have recently shown on a minimal model that the pair correlation can be long-ranged with a peculiar structure, which can have important effects on the transport or self-assembling properties of these liquids. We will use theoretical tools, numerical simulations and experiments to go beyond this minimal model and characterize the structure of active liquids studied in the laboratory.