



GRK 2415

LECTURES

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## Structure formation in molecular and organoid systems

**Thursday, April 25<sup>th</sup>, 2024  
at 9:00 am**

Seminarraum B1.72  
DWI – Leibniz-Institut für Interaktive Materialien  
Forckenbeckstraße 50, 52074 Aachen

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**Abstract:** Living matter relies on the self-organization of its components into higher order structures, on the molecular as well as on the cellular, organ or even organism scale. Collective motion due to active transport processes has been shown to be a promising route for attributing fascinating order formation processes on these different length scales. Here I will present recent results on structure formation of actively transported actin filaments, as well as the cell migration induced structure formation in the developmental phase of organoids.