

**DY 15: Invited Talk: Liesbeth Janssen (Eindhoven)**

Time: Monday 16:00–16:30

Location: DYb

**Invited Talk**

DY 15.1 Mon 16:00 DYb

**Glassy physics: from liquids to living cells** — •LIESBETH JANSSEN — Eindhoven University of Technology, The Netherlands

The liquid-to-glass transition is a ubiquitous yet highly complex phenomenon, which still lacks a universal physical understanding. In this

talk I will share some recent progress on the development and application of so-called Generalized Mode-Coupling Theory—a framework that aims to predict glassy dynamics purely from first principles. I will demonstrate that the theory can be applied not only to ordinary glass-forming materials, but also to more complex systems such as dense collectives of living cells.