

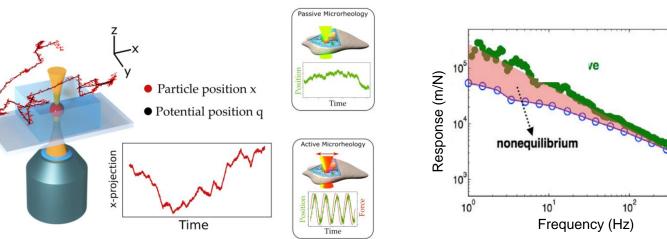
## Biophysical properties of yeast and spores Fadi Shikho

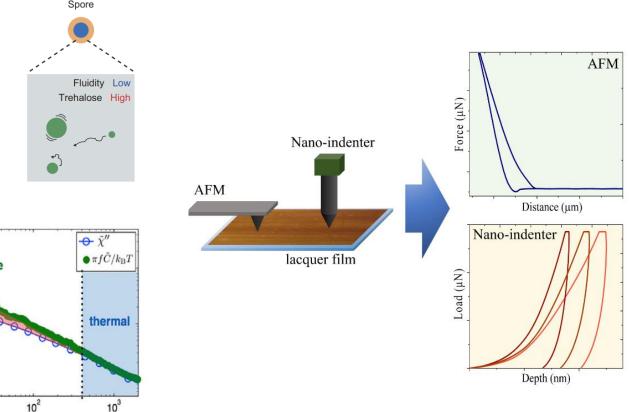
Vegetative cell

Fluidity High Trehalose Low

## **Research question:**

- Is it possible to quantify the non-equilibrium (liveliness) of cells and spores?
- What are the biophysical properties of the cytosol and the cell wall?





Muenker, T. M., Knotz, G., Krüger, M., & Betz, T. (2022). Onsager regression characterizes living systems in passive measurements. bioRxiv, 2022-05.