

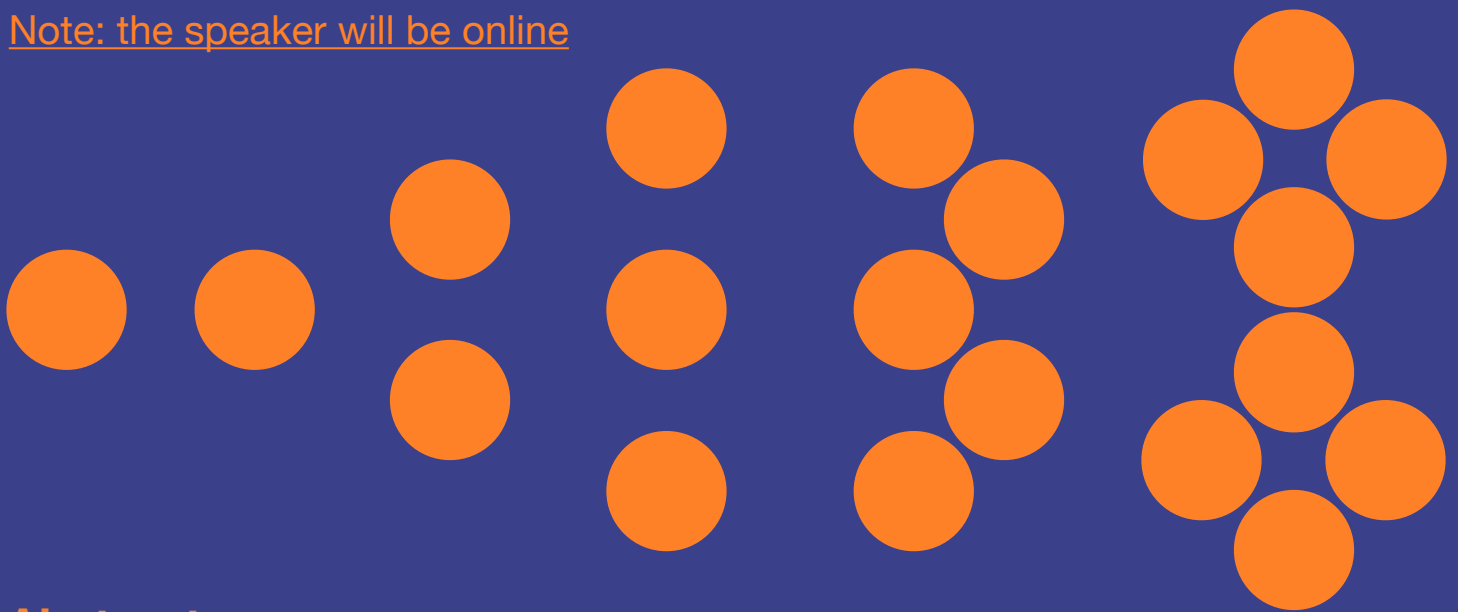
# Statistical and Biological Physics group seminar

Exploring new applications and uses  
of the relevance concept

Daniel Campos Moreno  
Universitat Autònoma de Barcelona

February 23, 2024 | 10:00 am  
TIFPA - Fortuna room

[Note: the speaker will be online](#)



## Abstract

The concept of ‘relevance’ has been proposed in the last years [Marsili and Roudi, Phys. Rep. 963, 1 (2022)] as an elegant way, founded on the grounds of information theory, to deal with problems of inference, coarse-graining, or similar, which are inherent to the analysis and interpretation of high-dimensional datasets. In this seminar (i) I will present a particular application to a problem of coarse-graining or dimensionality reduction in datasets of biological foraging trajectories in which my group of research has been working recently, and then (ii) I will introduce for discussion some possible ideas and future lines of research that could be worth exploring as alternative applications of this ‘relevance’ concept.