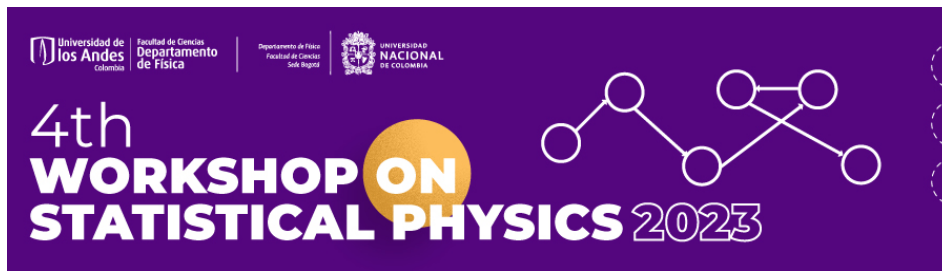


4th Workshop on Statistical Physics



Contribution ID: 32

Tipo: **Invited talk**

Beyond molecular kinetics: statistical physics methods in systems biology

viernes, 6 de octubre de 2023 16:00 (20 minutos)

Basic methods of statistical physics have proven extremely useful in the modelling of enzyme dynamics, but now the concepts of statistical physics have become important tools in many areas of systems biology, such as protein folding, site search on DNA, gene regulation, evolutionary dynamics or information processing. I will present an overview of the use of the concepts (more than the mathematical tools) in different areas of biological modeling, with emphasis on how collective action arises and how cells can deal with imperfect information about their environment.

Autor primario: Prof. PEDRAZA, Juan Manuel (Departamento de Física, Universidad de los Andes)

Presentador: Prof. PEDRAZA, Juan Manuel (Departamento de Física, Universidad de los Andes)

Session Classification: Invited Talks

Track Classification: Statistical Physics