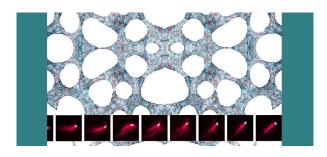
## Active Matter: the synergy between Maths and Physics, Paris



ID de Contribution: 39 Type: Non spécifié

## **Poster Session 3**

jeudi 5 juin 2025 14:00 (1h 20m)

Dowan Koo - Large time behavior of hydrodynamic flocking models with interaction potentials.

Eyal Heifetz - Swarm coherence mechanism for jellyfish

Finn Münnich - Pattern selection in a PDE model of mechanochemical interactions

Benjamin Perez Estay - Extremely large bacteria collective motion

Joaquín Ernesto Morales Palominos - Memory effects in Diel vertical migration: modeling fractional Brownian motion in Physics of active matter.

Juan Pablo Carrillo-Mora - Rotational depinning and activation dynamics of a chiral self-propelled robot Maja Milas - Understanding stimulated tissue growth using agent-based simulations and Fisher-Kolmogorov models

Mathis Guéneau - Siegmund duality for physicists: from hard walls to absorbing boundary conditions Mehran Erfanifam - Convection Flow Induced by Shearing of Spherical Granular Materials in a Split-Bottom Couette Cell

Oleksii Krupchytskyi - Change of the Bifurcation Type in a Free-Boundary PDE Model of Cell Motion Shantanu Raikwar - Phototactic decision making by micro-algae

Tristan Cerdin - Counting active particles to quantify their dynamics

Yuv Agarwal - Curving the Path of Active Matter

Kristiana Mihali & Dennis Worthmuller - TBA

Shambhavi Dikshit - Theoretical study on how activity and lamina alter chromatin organisation in variable confinements

Shunsuke Yabunaka - Drag Coefficient in Near-Critical Mixtures: Solving Hydrodynamic Fields with Improved Numerics

Spencer Dang - Effective viscosity of a two dimensional passive suspension in a liquid crystal solvent