

Mireia Cordero
Ph.d.-fellow
Biocomplexity
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Short presentation

I am a PhD fellow in biophysics at Jauffred lab . I am enthusiastic about microbial communities. In particular, I am interested in how spatial organisation affects well-established phenomena, such as antibiotic resistance. To study such complex systems, I combine experiments with computational simulations.

Employment

PhD fellow

Biocomplexity

København Ø

1 Aug 2021 → nu

Research outputs

Motility mediates satellite formation in confined biofilms

Cordero, Mireia, Mitarai, Namiko & Jauffred, Liselotte, 17 Aug 2023, In: ISME Journal. 17, p. 1819-1827 9 p.

Education

2021–2024 PhD in Biophysics, Københavns Universitet, Denmark

2019–2021 MSc in Biophysics, Københavns Universitet, Denmark

2014–2019 BSc in Physics, University of Barcelona, Spain

Teaching

Jan-Apr 2022 Kvantemekanik 1, Københavns Universitet, Denmark, TA lab sessions

Nov22-Jan23 Datologi for fysikere (DatF), Københavns Universitet, Denmark, TA

Relevant skills

General Laboratory skills, from media preparation to sterilization.

Research experience in a Microbiology Laboratory.

Fluorescence microscopy techniques.

Numerical Simulations of biological systems.