

# Active Matter (2024)

Course coordinator: Ramin Golestanian

(Lectured by colleagues from the Department of Living Matter Physics at MPI-DS)

Week	Lecture date	Content	Teachers
1	09.04.2024	Introduction to Active Matter & some	Ramin Golestanian Benoît Mahault
2	16.04.2024	Background Material	
3	23.04.2024	Hydrodynamics of swimmers	Yuto Hosaka
4	30.04.2024	Irreversible thermodynamics	Luca Cocconi
5	07.05.2024	Active Brownian particles, MIPS	Suropriya Saha Benoît Mahault
6	14.05.2024		
7	21.05.2024	Phoretic Active Matter	Suropriya Saha Gennaro Tucci
8	28.05.2024		
9	04.06.2024	Polar active matter	Giulia Pisegna Benoît Mahault
10	11.06.2024		
11	18.06.2024	Active nematics	Navdeep Rana
12	25.06.2024		
13	02.07.2024	Current research topics	LMP members
14	09.07.2024	Exam	

Notes:

- Topical Classification: Introductory Material, Scalar Active Matter, Aligning active matter
- Location: Riemann room 1.40 @ MPI-DS.
- Time: Tuesday from 10am to 12pm
- Office hours: Tuesday from 2pm to 4pm on Zoom at <https://eu01web.zoom.us/j/63401805053>, or in person at MPI-DS.
- Exam: Oral exam on July 9<sup>th</sup>.

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