

LAURITZ HAHN

CONTACT

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EDUCATION

Max Planck Institute for the Physics of Complex Systems Dresden, Germany	Ph.D. student (since Oct. 2024) supervised by Dr. Ricard Alert and Dr. Marín Bukov
École Normale Supérieure, Paris, France	M.Sc. in Physics (2021-2024) final grade 17.75/20 (GPA 3.9) ENS Diploma (2021-2024), minor in Arabic Studies Visiting Student (2019-2020)
Ludwig-Maximilians-Universität, Munich, Germany	B.Sc. in Physics (2017-2021), final grade 1,06 (GPA 3.9) B.A. in Philosophy (2017-2021), final grade 1,03 (GPA 3.9)
Gymnasium Paulinum, Münster, Germany	Abitur, final grade 1,1 (GPA 3.9) 2007-2015

TEACHING & INTERNSHIPS

Teaching Assistant (part time): LMU, Munich	Apr. - July 2019 "Introduction to Metaethics" (undergraduate course in philosophy)
Research Assistant (part time): LMU, Munich	Feb. – June 2021, supervisor Prof. Dr. Fabian Grusdt Quantum Many-Body Physics Group
Research Internship (full time): ENS, Paris	Feb. – July 2022, supervisors Profs. Drs. Aleksandra Walczak & Thierry Mora Statistical Biophysics Group
Research Internship (full time): McGill University, Montréal	Jan. – June 2023, supervisor Prof. Dr. Gary Brouhard Cytoskeleton Morphology Lab
Research Internship (full time): Collège de France, Paris	Apr.-July 2024, supervisor Prof. Dr. Jean-François Joanny Soft Matter and Biophysics Chair

PUBLICATIONS

Mirna Kramar, **Lauritz Hahn**, Aleksandra Walczak, Thierry Mora, Mathieu Coppey, "Single cells can resolve graded stimuli", (2024)

Lauritz Hahn, Aleksandra Walczak, Thierry Mora, "Dynamical information synergy in biochemical signaling networks", [Phys. Rev. Lett. 131.128401 \(2023\)](#)

Lauritz Hahn, Annabelle Bohrdt, and Fabian Grusdt, "Dynamical signatures of thermal spin-charge deconfinement in the doped Ising model", [Phys. Rev. B 105.L241113 \(2022\)](#)

PEER-REVIEWED TALKS

03.07.2024 – "Time-Dependent Biochemical Signaling: Mechanisms and Perspectives", [73rd Lindau Nobel Laureate Meeting](#)

13.09.2022 – "Personal Identity and Moral Reasons: Is Christine Korsgaard an Existentialist?", [GAP.11](#), AGM of the German Society of Analytical Philosophy, Junior Section

AWARDS AND SCHOLARSHIPS

International Selection of the École Normale Supérieure	Three-year scholarship covering living expenses
Max Weber Programme of Bavaria	Scholarship holder (2019-2024)
Studienstiftung des deutschen Volkes / German Academic Scholarship Foundation	Scholarship holder (2016-2024)
National History Competition of the German President 2014/15	First prize on the national level

LANGUAGES

German, Danish	Native Speaker
English, French	C2
Arabic	B2
Spanish	A1-A2
Latin, Ancient Greek	Latinum/Graecum

TECHNICAL SKILLS

Python
TIRF and IRM Microscopy (Metamorph)
imageJ/Fiji
LaTeX

VOLUNTARY WORK AND SOCIAL ENGAGEMENT

Biyoom e.V.	Founder and chairman of a non-profit association to support a youth centre in Saboba, a town in northern Ghana (since 2019).
Project to commemorate the old Jewish cemetery of Münster	Design and realisation of a memorial for an old Jewish cemetery in the vicinity of the Gymnasium Paulinum that was destroyed during a pogrom in 1350. The project received several awards.