

Everything is lensed. Be it by a little, or by a lot, signals traveling through the Universe are bound to be distorted by intervening structure, and in particular, dark matter and black holes. I use lensed gravitational waves to unveil the nature of dark matter at small scales, and understanding strong field effects in gravitational wave lensing to uncover the origin of binary black hole formation, and to study lensing in its most extreme regime.

EDUCATION	Niels Bohr Institute, University of Copenhagen	Copenhagen, Denmark
	Ph.D. Fellowship in Gravitational Wave Physics	[2023 - 2027]
	Unveiling the dark Universe using gravitational wave lensing. Advisors: Jose Maria Ezquiaga, Vitor Cardoso	
	Niels Bohr Institute, University of Copenhagen	Copenhagen, Denmark
	MSc. in Physics, Specialization in Astrophysics	[2021 - 2023]
	Finding the highest redshift galaxies with the James Webb Space Telescope using gravitational lensing. Advisor: Charles Steinhardt	
	University of Toronto	Toronto, Canada
	HBSc. with Majors in Astronomy and Astrophysics, and Physics, with a Minor in Mathematics (and a completed undeclared Minor in Classics)	[2016 - 2021]
	Exploring thermal phase transitions of neutral hydrogen in the interstellar medium Advisors: Peter G. Martin and Antoine Marchal	
PUBLICATIONS	8 papers as lead/co-lead author, 1 letter as co-lead author, 17 short author works, 61 total. See further details in my NASA ADS and Inspire pages. Keywords: gravitational lensing – gravitational waves – black holes – cosmology	
INVITED SEMINARS & TALKS	GRAPPA, University of Amsterdam Seminar	[10.2026]
	Gravitational Lensing in the era of Multi-Messenger Astronomy, Leiden	
	Jointly led topical discussion session	[10.2026]
	University of Birmingham Seminar	[09.2026]
	Montpellier Strong Gravitational Lensing Workshop Contributed talk, led topical discussion session	[06.2026]
	LISA Cosmology WG Workshop, Barcelona Plenary talk	[06.2026]
	University of Montpellier Seminar	[02.2026]
	Perimeter Institute Seminar	[11.2025]
INTERNATIONAL VISITS	Oxford University (2 weeks) Host: Pedro Ferreira	[09.2026]
	University of Montpellier (1 week) Host: Pierre Fleury	[03.2026]
	University of Chicago (3 months) Host: Daniel Holz	[09.2025 - 12.2025]
	Albert Einstein Institute (1 week) Host: Miguel Zumalacárregui	[10.2024]
	Center for Computational Astrophysics (1 week) Host: Max Isi	[10.2024]
	Canadian Institute for Theoretical Astrophysics (1 week) Host: Maya Fishbach	[01.2024]
SUPERVISION EXPERIENCE	Master’s Thesis Francesco Gibellini	[08.2026 - Present]
	Research Internship Maddalena Reggio	[08.2026 - Present]
	Bachelor’s Thesis Maddalena Reggio	[02.2026 - 06.2026]

ORGANIZING EXPERIENCE	Les Triplettes de Copenhagen Workshop <i>Scientific and Local Organizing Committee</i>	[2026]
	University of Copenhagen Culture Night <i>Organization and presentation of outreach materials</i>	[2026]
	School on Gravity: From Motion to Commotion <i>Local Organizing Committee</i>	[2026]
	Center of Gravity Arts & Science Residency <i>Local Organizing Committee</i>	[2026]
	Black Holes Inside Out <i>Local Organizing Committee</i>	[2024]
	Strong / Center of Gravity Group Meetings <i>Helped organize meetings for the Strong group</i>	[02.2025 - 06.2025]
	Strong / Center of Gravity Seminars <i>Helped organize seminars for the Strong group</i>	[02.2025 - 06.2025]
WORKSHOPS AND CONFERENCES	Multi-messenger Gravitational Lensing <i>Manchester, UK. Contributed talk and poster</i>	[03.2024]
	Strong Gravitational Lensing Science with LSST <i>Oxford, UK. Contributed talk and poster</i>	[03.2024]
	Current Themes in Transient Astrophysics and Cosmology <i>Copenhagen, Denmark</i>	[06.2024]
	New Ideas on The Origin of Black Hole Mergers <i>Copenhagen, Denmark</i>	[08.2024]
	Black Holes Inside and Out <i>Copenhagen, Denmark. Local Organizing Committee</i>	[08.2024]
	LIGO/Virgo/KAGRA Collaboration Meeting <i>Barcelona, Spain. Contributed talk and poster</i>	[09.2024]
	Fundamental physics and gravitational wave detectors <i>Pollica, Italy. Contributed talk and poster</i>	[09.2024]
	Lensing and Wave Optics in Strong Gravity <i>Vienna, Austria</i>	[09.2024]
	Scandinavian Gravitational Wave Meeting <i>Copenhagen, Denmark. Contributed talk</i>	[09.2024]
SCHOOLS	School on Gravity: From Motion to Commotion <i>Copenhagen, Denmark</i>	[06.2026]
	Prospects in Theoretical Physics 2025: Gravitational Waves from Theory to Observation <i>Princeton, USA (Poster)</i>	[07.2025]
	Nordic Winter School: Multimessenger Astrophysics <i>Skeikampen, Norway</i>	[01.2024]
MEMBERSHIPS	LIGO Collaboration <i>Member</i>	[2023-Present]
	LISA Consortium <i>Core Member</i>	[2024-Present]
	BUFFALO Collaboration <i>Community Member</i>	[2022-Present]
AWARDS	EuCAPT International Exchange Award Travel grant (1000 euros) to visit Pierre Fleury in the University of Montpellier	[09.2025]
	Honorable Mention: LVK Barcelona Meeting Theory Section Poster Contest	[09.2024]
ACADEMIC SERVICES	Reviewer for Nature Communications (1 article), Physical Review Letters (2 articles), Physical Review D (6 articles), Astronomy and Astrophysics (1 article).	