

Dr. Julia Bodensteiner

Assistant professor

Personal Details

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Research Positions

Dec 2024 – now Assistant Professor, Anton-Pannekoek Institute for Astronomy at the University of Amsterdam, the Netherlands

2021 - 2024 ESO fellow, European Southern Observatory, Garching, Germany
Independent research fellowship with 20% duty time supporting ESO observatory operations

2017 - 2021 PhD student, Institute of Astronomy, KU Leuven, Belgium
Thesis title: “*Observational imprints of binary evolution on B- and Be-star populations*” [[PDF](#)]

2015 - 2017 Student job, Max-Planck Institute for Extraterrestrial Physics, Munich, Germany
Reduction and analysis of spectroscopic FEROS and photometric GROND data

Academic background

2015-2017 M.Sc. Nuclear, Particle & Astrophysics, Technical University of Munich
Thesis title: “*Interaction between massive stars and the interstellar medium*”

2011-2015 B.Sc. Physics, Technical University of Munich, Germany
including two semesters of ERASMUS exchange at the Universidad Complutense de Madrid, Spain

Grants and awards

2025 NWO Veni Fellow, University of Amsterdam, the Netherlands

2024 IAC Early Career visitor programme
Fully funded 6-week research visit at the Instituto de Astrofísica de Canarias (IAC), Tenerife, Spain
Research grant from the ESO Science Support Discretionary Fund
Individual grant to host and fully fund a student for 3 months at ESO Germany for a research project

2023 Travel grant from the ESO Science Support Discretionary Fund
2-month research visit at ESO Vitacura including an observing run at the VLT in Paranal, Chile

2022 Springer Thesis Award
Publication of my PhD thesis as [monograph](#) in the Springer series for “Outstanding PhD Research”

Granted observing time

ESO	> 130 h as PI, > 400 h as Co-I, incl. 140 h as co-PI in ESO Large Programme
ORM	> 150 nights as PI and > 100 nights as Co-I with <i>Hermes</i> at the <i>Mercator</i> telescope
others	> 30 h with <i>HST</i> , <i>XMM</i> , <i>CHARA</i> , <i>ATCA</i> , and <i>Gemini</i> as Co-I

Selected conferences and workshops

Jun 2025	European Astronomical Society Annual Meeting (Cork, Ireland) Invited review: "Multiplicity among massive stars & supernovae"
Mar 2024	Workshop: " <i>Stable mass transfer in binaries: from onset to remnant</i> " (New York, US) Invited review: " <i>Electromagnetic observables during mass transfer</i> "
Jul 2023	"3, 2, 1: <i>Massive Triples, Binaries and Mergers 2023</i> " (Leuven, Belgium) Invited talk: " <i>Multiplicity properties of massive star populations</i> "
Jun 2023	Lorentz Workshop: " <i>The Renaissance of Stellar Black-Hole Detections in the Local Group</i> " (Leiden, The Netherlands) Invited review talk: " <i>Black hole impostors</i> "
Nov 2022	IMBASE 2022: The Impact of Binaries on Stellar Evolution (Munich, Germany) Invited talk: " <i>Multiplicity properties of massive star populations</i> "
Nov 2022	4-week MIAPP workshop: The fundamental role of stellar multiplicity in stellar dynamics and evolution Discussion session: " <i>The possible binary origin of classical Be stars</i> "
Jul 2021	European Week of Astronomy 2021 (virtual) Invited talk: " <i>On the origin of classical Be stars and the nature of exotic Be binary systems</i> "

Teaching and supervision

	Co-supervision of a PhD student at Newcastle University
ongoing	Co-supervision of a PhD student at ESO Garching and Universidad de La Serena Co-supervision of two Bsc and one MSc student at the University of Amsterdam Mentoring in the context of the Supernova Foundation mentoring program
2024	Co-supervision of two research projects in the ESO Summer Research Programme Lecturer at the ESO Summer Research Programme 2024
2023	Co-Supervision of a Master thesis at KU Leuven
2022	Invited lecturer at the 1-week ERASMUS+ Summer School on " <i>Eclipsing Binaries and Asteroseismology</i> ", held in September in La Palma, Spain

Projects and collaborations

BLOeM	Co-PI of the BLOeM collaboration since 2023 to streamline the analysis of the ESO Large Programme data
UVEX	Working group: The Low-mass Galaxy Frontier (Magellanic Clouds)
VFTS	Collaboration member since 2017
XshootU	ULLYSES and X-Shooter massive star collaboration, Working group 10: Stripped Stars
WST	Galactic working group

Organizational experience and community service

- ongoing Scientific referee for Nature, Nature Astronomy, A&A, ApJ, MNRAS, Galaxies, and Astronomische Nachrichten
- ongoing Co-organizer of the Anton Pannekoek Colloquium series
- ongoing Co-organizer of the [ASPIRE](#) Summer Research programme
- 2024 Co-organizer of several talk series at ESO
- 2024 Representative of the fellows at ESO Garching
- 2023 Co-chair of the conference “[Two in a million – The interplay between binaries and star clusters](#)”, ESO Garching, 11-15 September, 2023
- 2023 Co-organizer of the [ESO Summer Research Programme 2023](#)
- 2023 Co-organizer of the 16th annual meeting of the VFTS collaboration
- 2022 Subject-matter expert reviewer in a NASA peer review
- 2021 Selection committee for the “[ESO Hypatia colloquium 2022](#)”
- 2021 Scientific assistant in ESO time allocation panel

Public outreach

- ongoing Co-organizer of the “[Pint of Science](#)” festival Amsterdam, The Netherlands
- ongoing Invited public talk in the context of *Space Night Augsburg*
- ongoing Several virtual “[Skype a Scientist](#)” sessions around the world
- ongoing Tour guide at the [ESO Supernova](#) Planetarium and Visitor Center
- 2024 Several virtual “[Skype a Scientist](#)” sessions around the world
- 2024 Co-organizer of the “[Pint of Science](#)” festival Munich, Germany
- 2024 Public talk in the “[Universe on Tour](#)” Roadshow organized by the Federal Ministry of Education and Research, Germany
- 2023 Invited public talk in “[NASA’s Universe of Learning](#)” series
- 2023 Public talk in the “[Faszination Astronomie online](#)” series (> 11 000 views)
- 2023 Co-organizer of the “[Pint of Science](#)” festival Munich, Germany (Venue Manager)
- 2022 Co-organizer of the [ESO Girl’s day 2022](#)
- 2021 “[Science Figured Out](#)” – 2min video pitch
- 2021 Video contribution to the exhibition “[To the Edge of Time](#)”, Leuven, Belgium