

**Karina Isabel Caputi**  
Curriculum Vitæ  
September 2023

## Contact Details

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## Higher Education

2001-2004 Ph.D. in Astronomy, The University of Edinburgh, UK.  
Degree Award date: 21 June 2005  
1995-1998 Licenciatura en Física (BPhys + MPhys), Instituto Balseiro, Bariloche, Argentina.  
Degree Award date: 18 December 1998.  
1993-1995 First two years of Licenciatura en Física at the University of Buenos Aires,  
in preparation for admission at Instituto Balseiro.

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## Appointments (after PhD)

04.2022-present Full Professor, Kapteyn Astronomical Institute,  
University of Groningen (RuG), The Netherlands.  
05.2016-03.2022 Associate Professor, Kapteyn Astronomical Institute,  
University of Groningen (RuG), The Netherlands.  
06.2019-present Zero-appointment Associate Staff, Research Excellence Center Cosmic Dawn,  
University of Copenhagen/DTU-Space, Denmark.  
09.2018-12.2018 *Maternity Leave*.  
02.2012-04.2016 Assistant Professor and Rosalind Franklin Fellow, Kapteyn Astronomical  
Institute, University of Groningen (RuG), The Netherlands.  
10.2009-12.2011 SUPA and Leverhulme Trust Early Career Fellow, Institute for Astronomy,  
The University of Edinburgh, UK.  
09.2006-09.2009 Post-doctoral Researcher, Institute of Astronomy, ETH Zurich, Switzerland.  
11.2004-08.2006 Post-doctoral Researcher, Institut d'Astrophysique Spatiale, Orsay, France.

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## Fellowships, Awards and Honours (most recent)

2022 NWO Vici Grant Laureate.  
2022 NWO Aspasia Prize.  
2015 ERC Consolidator Grant Laureate.  
2014 NWO TOP Grant (C2) Laureate.  
2012 NASA/ESA Significant Achievement Award for work in *JWST*/MIRI Testing Campaign.  
2011 Rosalind Franklin Fellowship, University of Groningen, The Netherlands.  
2009 Leverhulme Trust Early Career Fellowship, UK.

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## Grants (selected)

2022-2027 *The First Steps of Galaxy Evolution*, NWO Vici Grant. Award: **EUR 1.5M**  
2022-2027 NWO Aspasia Prize. Award: **EUR 120k**  
2016-2021 *Galaxy Buildup in the Young Universe: from the First Billion Years through  
the Peak Activity Epoch*, ERC Consolidator Grant. Award: **EUR 1.9M**  
2015-2018 *Mapping the Peak Star Formation Activity of the Universe with New Nanotechnological Devices*,  
NWO TOP Grant (PI Caputi; 0 co-Is). Award: ca **EUR 217k**  
2015-2017 Spitzer Exploration Science Program (PI Caputi), NASA Grant for US-based co-Is: ca. **u\$s 315k**  
2013-2016 *The Study of Typical Ultra-Luminous Infrared Galaxies in the AMKID E-CDFS  
Sub-millimetre Survey*, NOVA4 Science Program (PI Caputi; 2 co-Is): **EUR 120k**  
2012-2016 Rosalind Franklin Fellowship start-up pack (PI Caputi; 0 co-Is): **EUR 250k**

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## Research Interests

Galaxy formation and evolution at high redshifts. Stellar mass assembly. Star formation, black-hole activity and their evolution with cosmic time. IR-selected galaxies. Multiwavelength follow-up. The physics of the interstellar medium.

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## Summary of Academic Publications

I am an author of **180+** refereed publications with a total of **20000+** citations, including:

\* **39** papers with **100+** citations each

\* **45** first-author, or leading co-author, research papers with a total of **2000+** citations

\* one, single-author, **invited review** article

My Hirsch index is **H=67**. Source: NASA ADS.

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## Professional Membership

- Member of the International Astronomical Union.
  - Member of the European Astronomical Society.
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## PhD Student & Postdoc Supervision

### As Main Supervisor:

12.2022-present	Dr. Josephine Kerutt (PhD University of Postdam 2020)
10.2022-present	Dr. Vasily Kokorev (PhD University of Copenhagen 2022)
10.2022-present	Rafael Navarro Carrera (expected PhD defence: Oct.2026)
10.2020-present	Dr. Edoardo Iani (PhD University of Padova 2020)
10.2020-present	Pierluigi Rinaldi (expected PhD defence: Oct.2024)
10.2017-10.2020	Dr. Gabriel Bartosch Caminha (PhD University of Rio de Janeiro 2013)
10.2019-present	Sophie van Mierlo (expected PhD defence: Oct.2023)
09.2017-09.2021	Giulio Rosani (PhD defence: Jan.2022)
11.2016-02.2021	Smaran Deshmukh
09.2017-08.2018	Dr. Laura Bisigello (PhD University of Groningen 2017)
11.2016-09.2018	Dr. William Cowley (PhD Durham University 2016)
05.2015-04.2018	Dr. Soh Ikarashi (PhD Univ. of Tokyo 2014)
09.2013-08.2017	Laura Bisigello (PhD thesis defence: Nov.2017).
09.2012-08.2016	Wouter Karman (PhD thesis defence: Oct.2016, <i>cum laude</i> ).

### As Co-Supervisor:

06.2023-present	Dr. Yuming Fu (Leiden University)
06.2020-present	Fernanda Roman de Oliveira (expected PhD defence: June 2024)
02.2019-02.2022	Fangyou Gao (expected PhD defence: Nov.2022)
01.2017-01.2021	Pietro Olmo Piana (PhD defence: June.2021)
06.2011-11.2014	Gergö Popping (PhD defence: Nov.2014, <i>cum laude</i> ).

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**Recent Invited Seminars and Talks (selected)**

- 03.2023 *Unveiling the Secrets of the Early Universe with the JWST*  
Invited Kaiser Spring (Public) Lecture, Leiden Observatory, NL.
- 10.2022 *The First Steps of Galaxy Evolution*  
Invited Game Changer Seminar, ISSI Bern, CH.
- 11.2021 Invited speaker for the Munich Joint Astronomy Colloquium (JAC)
- 07.2018 *Defining High- $z$  Galaxy Evolution Science for the Era of JWST and Euclid*  
Invited Talk at “The Near, The Far, and the In-between: Synergy between low and high- $z$  galaxy evolution studies in the era of JWST and EUCLID”, ESA ESTEC, Noordwijk, NL.
- 05.2018 *High- $z$  Galaxy Evolution Studies with VLT/MUSE*,  
Invited Talk at the Nederlandse Astronomenconferentie (NAC) 2018, Groningen, NL.
- 08.2017 *Exploring the High- $z$  Universe with ESO Telescopes*,  
Invited Talk at the Conference “Reaching New Heights in Astronomy”, ESO, Garching, DE.
- 06.2017 *Overview of JWST High- $z$  GTO Programmes*,  
Invited Talk at the Special Session “Preparing the JWST Era”, EWASS2017, Prague, CZ.
- 06.2017 *The Link between AGN and Massive Galaxy Growth in the Early Universe: the Unique Far-IR Probe*,  
Invited Talk at the Symposium “Science with a large cooled FIR Space Observatory”,  
EWASS2017, Prague, CZ.
- 03.2017 *Galaxy Stellar Mass Assembly in the Early Universe*,  
Invited Talk at the Conference “Science with HST and JWST V”, Venice, IT.  
Invited Colloquium, Koninklijk Natuurkundig Genootschap, Groningen, NL.

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**Activities for Key Future Astronomical Facilities**

- 2018- Member, Euclid Consortium.
- 2017- Member, ELT/MOSAIC Consortium.
- 2014-2018 Senior Scientific Advisor, APEX/AMKID Dutch Steering Committee.
- 2010- NL Co-I, JWST/MIRI European Guaranteed Time Science Consortium.

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**Teaching Activities (selected)**

- 2021 Guest VWO Lecturer on High- $z$  Galaxies,  
organized by the Dutch Astronomical Society (NNV).
- 2019-present Member of International Review Panel, Master Programme,  
University of Rome “La Sapienza”, Italy.
- 2017 Runner Up Astronomy Teacher of the Year, RuG
- 2016 Invited Lecturer at Honours College, Faculty of Mathematics and Natural Sciences, RuG.
- 2015 Awarded Teaching Qualification for Dutch Universities (BKO).
- 2012-present Lecturer, Physics of Galaxies, Interstellar Medium (BSc), Starburst Galaxies,  
Cosmic Star Formation History, Formation and Evolution of Galaxies (MSc), RuG.
- 2013-2015 Lecturer, Scientific Writing course for PhD students, RuG.
- 2012 Invited Lecturer, NOVA PhD Fall School. Course: *Star Formation in Galaxies through Cosmic Times*.
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## Recent Professional Service (selected)

### The Netherlands:

2020-present	Deputy Coordinator, NOVA Network 1 “Galaxies and Cosmology”
2023-present	Member of the PhD Support Committee (PBC) at the Kapteyn Astronomical Institute.
2020	Invited Panel Member, VIDI Grant, NWO.
2019-present	Chair, NOVA Submillimetre Strategy Group.
2018-2023	Member (Astro Co-Chair in 2022), Board of Examiners, Astronomy/Physics, RuG.
2017-present	Chair, Graduate School Programme Committee, FSE, RuG.
2017-present	Chair/Member, ALMA NL Node (Allegro) Steering Committee.
2017	Panel Member, VENI Grant, NWO.
2017	Member, Appointment Advisory Committee for Prof. A. Baryshev, RuG
2016-2017	Coordinator, NOVA PhD Fall School.
2015	Panel Member, Top Grant Compartiment 2, NWO.
2013-2017	Chair (previously Member), Education Committee, Astronomy, RuG.
2012-2015	Member, Board of Examiners, Astronomy, RuG.
2015-present	Member, Reading Committee, multiple PhD thesis, RuG & Leiden University.

### International:

2023	Discussion Panelist, JWST GO Cycle 2, Space Telescope Science Institute.
2023	Panel Member, MARVIS Grants, Swiss National Science Foundation.
2023	Expert External Reviewer, International Leading Research Grant, Japan (J)SPS.
2020-present	Member, Public Survey Panel, European Southern Observatory (ESO).
2020	Member, SOC, ESO/ESA Joint Workshop, “Galaxy evolution: from cosmic dawn to the MW with the ESA Euclid mission and ESO telescopes”, Madrid, Spain.
2019	Appointed Member, Topical Teams, Voyage 2050 Programme, European Space Agency.
2019	Expert External Reviewer, PRIMA Research Grants, Swiss National Science Foundation.
2019	Member, SOC, IAU Symposium <i>Uncovering early galaxy evolution in the ALMA and JWST era</i> , Viana do Castelo, Portugal.
2018-present	Panel Member, Discovery Grants, Natural Science and Engineering Research Council of Canada (NSERC).
2018	Review Board Member, Dataflow System Development, ESO.
2017-present	NL Representative, European Southern Observatory’s Users Committee. (elected Co-Chair for 2018 and Chair for 2019)
2017	Chair, SOC & LOC, Conference <i>Distant Galaxies from the Far South</i> , Bariloche, Argentina.
2017	Public Speaker, Talk <i>Las Primeras Galaxias del Universo</i> , Bariloche, Argentina (after Conference <i>Distant Galaxies from the Far South</i> ).
2017	Member, SOC, Workshop <i>Spectroscopic Surveys with the ELT: A Gigantic Step into the Deep Universe</i> , Toledo, Spain.
2016	Member, Reading Committee, Clément Martinache’s PhD thesis, Université Paris-Saclay, France.
2016	Expert External Reviewer, Starting Grants, European Research Council.
2015	Expert External Reviewer, Internal Coordinated Research Projects, Scuola Normale Superiore di Pisa, Italy.

## Language knowledge

Spanish (native), English & French (fluent), Dutch (A2/B1), Italian (basic)