

**Karina Isabel Caputi**  
Curriculum Vitæ  
June 2020

## Contact Details

Prof. dr. Karina I. Caputi  
Kapteyn Astronomical Institute  
University of Groningen  
P.O. Box 800  
9700 AV Groningen  
The Netherlands

Electronic mail: karina@astro.rug.nl  
Telephone: (++31) 50 363 8325  
Web: <http://www.astro.rug.nl/~karina/>

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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

- 05.2016-present 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.
- 10.2001-10.2004 Ph.D. student, Institute for Astronomy, University of Edinburgh, UK.
- 04.1999-07.2001 Research assistant of the CNEA at the Bariloche Atomic Center, Argentina.

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## Fellowships, Awards and Honours

- 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.
- 2009 ESO ALMA Fellowship (declined).
- 2001 Overseas Research Scheme (ORS) Award, Universities UK.
- 1995 CNEA Fellowship for Undergraduate Studies at the Instituto Balseiro, Bariloche, Argentina.

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## Grants (selected)

- 2016-2021 *Galaxy Buildup in the Young Universe: from the First Billion Years through  
the Peak Activity Epoch*, ERC Consolidator Grant (PI Caputi; 0 co-Is). 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**
- 2013-  
2012-2016 Co-I of three approved projects in the NOVA4 Instrumentation Program. Total award: **EUR 2M+**  
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 **145+** refereed publications with a total of **14700+** citations, including:

- \* **29** papers with **100+** citations each
- \* **35** first-author, or leading co-author, research papers with a total of **1600+** citations
- \* one, single-author, **invited review** article

My Hirsch index is **H=53**.

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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:

10.2017-present	Dr. Gabriel Bartosch Caminha (PhD University of Rio de Janeiro 2013)
10.2019-present	Sophie van Mierlo (expected PhD defence: Oct. 2023)
09.2017-present	Giulio Rosani (expected PhD defence: Sep.2021)
11.2016-present	Smaran Deshmukh (expected PhD defence: Dec.2020)
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:

02.2019-present	Fangyou Gao (expected PhD defence: Feb.2023)
01.2017-present	Pietro Olmo Piana (expected PhD defence: Jan.2021)
06.2011-11.2014	Gergö Popping (PhD defence: Nov.2014, <i>cum laude</i> ).

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## Approved Observing Programmes (selected)

- **P.I.**, *MUSE's View of an Intense Star-Forming Proto-Cluster Candidate at  $z \sim 4.2$* , VLT/MUSE Program (7 co-Is; 6 h), 2018
  - **co-P.I.**, *Completing the Legacy of Spitzer/IRAC over COSMOS*, Spitzer Frontier Legacy Program, Cycle 13 (P.I. Labbé, 22 co-Is; 1500 h), 2016
  - **P.I.**, *SMUVS: Spitzer Matching survey of the UltraVISTA ultra-deep Stripes*, Spitzer Exploration Science Program, Cycle 11 (15 co-Is; 1776.5 h), 2014
  - **P.I.**, *A MUSE Deep Look into the Frontier Fields Cluster Abell S1063*, VLT/MUSE Program (14 co-Is; 4 h in SV + 4 h in P95), 2014
  - **P.I.**, *Cold Dust in Two Massive ULIRGs at  $z \sim 5$* , IRAM/PdBI Program (13 co-Is; 16 h), 2013
  - **P.I.**, *Signatures of inflows and outflows in the rest UV spectra of massive galaxies at  $z \sim 3$* , VLT/FORS2 Program (5 co-Is; 32.3 h), 2011
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### Recent Invited Seminars and Talks (selected)

- 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.
- 02.2017 *Galaxy Evolution in the Early Universe*,  
Invited Colloquium, Koninklijk Natuurkundig Genootschap, Groningen, NL.
- 04.2016 *Galaxy Stellar Mass Assembly in the Early Universe*,  
Invited Astrophysics Seminar, Institut d’Astrophysique de Paris, FR.
- 11.2015 *Galaxies in the Early Universe: the New Frontier for Infrared Telescopes*  
Invited Physics Colloquium, Faculty of Mathematics and Natural Sciences, RUG.
- 09.2015 *AGN Studies with JWST/MIRI*,  
Invited Talk at the Conference TORUS 2015, Winchester, UK.
- 04.2015 *Mapping Cosmic Star Formation with New Nanotechnological Devices*,  
Invited Spotlight Colloquium, Faculty of Mathematics and Natural Sciences, RUG.
- 03.2015 *Galaxy Stellar Mass Assembly at High z*,  
Invited Talk at the International Conference “Back at the Edge of the Universe”, Sintra, Portugal.

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### Activities for Key Future Astronomical Facilities

- 2018- Member, Euclid Consortium.
- 2016- Member, High-z Galaxies Working Group, *Far-IR Cosmic Origins Telescope*.
- 2014- Senior Scientific Advisor, APEX/AMKID Dutch Steering Committee.
- 2010- Member, JWST/MIRI European Guaranteed Time Science Consortium.

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### Teaching Activities (most recent)

- 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 (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*.
- 2008 Invited Lecturer and Workshop Coordinator, *École des Cigales: data reduction and analysis techniques for Herschel deep cosmological fields*, IAS, Orsay, France.
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## Recent Professional Service (selected)

### The Netherlands:

2020-present	Deputy Coordinator, NOVA Network 1 “Galaxies and Cosmology”
2019-present	Chair, NOVA Submillimetre Strategy Group.
2018-present	Member, Board of Examiners, Astronomy, 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.
2016	Mentoring Lecturer, NOVA 3rd-year PhD student weekend.
2015	Panel Member, Top Grant Compartment 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:

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.
2015	Invited Member, SOC, 49th ESLAB Symposium <i>Exploring the Universe with JWST</i> , ESA-ESTEC, The Netherlands.

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## Language knowledge

Spanish (native), English & French (fluent), Italian (intermediate) & Dutch (basic)