

Curriculum Vitae (Dr. F. Walter, MPIA Heidelberg)

Personal Information

Name: Dr. Fabian Walter
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Education

- Ph.D. in Astronomy (Summa Cum Laude), 1999
Institute for Radio Astronomy, University of Bonn, Germany
- M.Sc., Physics (GPA: 4.00/4.00), 1995
University of New Mexico, Albuquerque, NM, & NRAO Socorro, NM

Current Position(s)

- 2004– *Group Leader/Senior Staff Scientist*, MPIA, Germany
- 2022– *DSA-2000 Project Scientist*, Caltech, USA
- 2021– *Adjunct Professor (Privatdozent)*, Heidelberg University, Germany
- 2017–2023 *International Associate*, The Cosmic Dawn Centre, Denmark
- 2015–17, 23– *Visiting Associate in Astronomy*, Caltech, USA
- 2014– *Scientific Editor*, American Astronomical Society Journals, USA
- 2011– *Adjunct Associate Astronomer*, NRAO, USA

Previous Positions

- 2002–2004: *Jansky Postdoctoral Fellow (Research Associate)*
National Radio Astronomy Observatory (NRAO), USA
- 1999–2002: *Postdoctoral Scholar in Radio Astronomy*
California Institute of Technology, USA

Awards/Honors/Memberships (selected)

- Award of ERC Advanced Grant over 2.5 MEuro, 2016
- Biard Lectureship, California Institute of Technology, 2015
- Award of ERC Starting (Consolidator) Grant over 1.5 MEuro, 2011
- “Hörlein Prize” for outstanding PhD Thesis, Bonn University, Germany, 1999
- Member, *American Astronomical Society (AAS)*, 2001–
- Member, *International Astronomical Union (IAU)*, 2010–
- Member, *German Astronomical Society (AG)*, 2018–

Institutional Responsibilities (selected)

- Chair of PhD Advisory Committee, MPIA (2014–)
- MeerKAT proposal panel review (2021–)
- Reviewer: *Science*, *Nature*, *ApJ*, *ApJL*, *ApJS*, *AJ*, *A&A*, *MNRAS*, *AN*
- next generation VLA (ngVLA) Science Advisory Committee (2016–)
- next generation VLA (ngVLA) Executive Committee (2022–)
- next generation VLA (ngVLA) science working group lead (2022–)
- NRAO Users’ Committee (2016–2018 [chair])
- NRAO Member of ‘Panel to Advise on Science and EVLA Operations’ (PASEO)
- IRAM Science Advisory committee (2016–)
- Co-organizer **on more than a dozen international conferences/workshops**

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Major International Collaborations (selected)

- **DSA-2000:** Caltech Deep Synoptic Array, PI: Hallinan (*Walter: Project Scientist*)
- **LGLBS:** Local Group L-Band Survey,
PIs: Leroy, Chomiuk, Dalcanton, Rosolowsky, Stanimirovic, *Walter*
- **ASPECS:** The ALMA SPECTroscopic Survey in the Hubble UDF,
PIs: *Walter*, Carilli, Aravena
- **XQR-30:** The Ultimate X-shooter legacy survey of Quasars at the Reionization Epoch,
Walter: member of steering committee, PI: D'Odorico
- **LADUMA:** The Distant Universe with MeerKAT,
Walter: science working group lead, PIs: Blyth, Baker, Holwerda
- **MHONGOOSE:** MeerKAT Observations of Nearby Galactic Objects, PI: de Blok
- **THINGS:** The HI Nearby Galaxy Survey, VLA Large Project, PI: *Walter*
- **(A)LESS:** LABOCA ESO/MPG Large project to map the ECDF,
ESO Co-PIs: Smail & *Walter*
- **PanSTARRS-1** Key Project 10: High Redshift QSOs, Co-Leads: Chambers & *Walter*
- **HERACLES:** IRAM 30m CO Survey of Nearby Galaxies, Co-PIs: *Walter*, Leroy
- **JWST MIRI:** Member of the European Science Team
- **SINGS:** Spitzer Infrared Nearby Galaxies Survey, PI: Kennicutt
- **KINGFISH:** 'Key Insights on Nearby Galaxies: a FIR Survey with Herschel', PI: Kennicutt

Supervision of Graduate Students and Postdoctoral Fellows

previous group members: (including current position)

Prof. Frank Bigiel	University of Bonn, Germany
Dr. Eduardo Banados Torres	MPIA, Germany
Dr. Sarah Bosman	University of Heidelberg, Germany
Prof. John Cannon	Macalester College, USA
Dr. Anahi Caldu Primo	Comunicacion de la Ciencia (UNAM), Mexico
Dr. Elisabete da Cunha	ICRAR, Australia
Dr. Roberto Decarli	INAF Bologna, Italy
Dr. Gisella de Rosa	Space Telescope Science Institute, USA
Dr. Alyssa Drake	University of Hertfordshire, UK
Dr. Emanuele Farina	Gemini Observatories, Hilo, USA
Prof. Carl Ferkinhoff	Winona State University, USA
Dr. Jorge Gonzalez-Lopez	Carengie Observatories, USA/Chile
Prof. Thomas Greve	National Space Institute, Denmark
Prof. Jacqueline Hodges	Leiden University, The Netherlands
Dr. Roger Ianjamasimanana	Instituto de Astrofísica de Andalucía, Spain
Dr. Sebastian Jester	Bundesforschungsministerium, Germany
Dr. Melanie Kaasinen	ESO Fellow, Garching, Germany
Dr. Nico Krieger	private industry, Germany
Dr. Jaron Kurk	private industry, Germany
Prof. Kirsten Knudsen	Chalmers University, Sweden
Prof. Adam Leroy	Ohio State University, USA
Dr. Masafusa Onoue	Kavli Institute for Astronomy and Astrophysics
Dr. Chiara Mazzucchelli	ESO Santiago, Chile
Dr. Romain Meyer	Geneva University, Switzerland
Dr. Eric Morganson	University of Illinois, USA
Dr. Marcel Neeleman	National Radio Astronomy Observatory, USA

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Dr. Mladen Novak	private industry, UK
Prof. Dominik Riechers	University of Cologne, Germany
Dr. Helene Roussel	IAP, France
Prof. Karin Sandstrom	UC San Diego, USA
Dr. Jan-Torge Schindler	Hamburg University, Germany
Dr. Andreas Schruba	private industry, Germany
Dr. Bade Uzgil	Los Alamos National Laboratory, USA
Dr. Bram Venemans	Leiden Observatory, The Netherlands
Dr. Laura Zschaechner	private industry, Finland

current group members:

Dr. Leindert Boogaard	(molecular gas in distant galaxies, deep fields, JWST)
Dr. Ryan Keenan	(MeerKAT HI + DSA-2000)
Dr. Timea Kovacs	(LGLBS + DSA-2000)