

Curriculum Vitae Nienke van der Marel (Spring 2023)

CONTACT INFORMATION	Leiden Observatory Niels Bohrweg 2 2333 CA Leiden the Netherlands	Phone: +31 (0)71-527-5737 E-mail: astro@nienkevandermarel.com www: http://www.nienkevandermarel.com
PERSONAL	Date of birth: February 2nd, 1986 Place of birth: Groningen, the Netherlands Nationality: Dutch Languages: Dutch (native), English (fluent), Spanish (intermediate, B1), French (intermediate, A2), German (intermediate, A2)	
ACADEMIC JOBS	2021 - present Assistant professor, Leiden Observatory, Leiden, the Netherlands 2019 - 2021 Banting Fellow, University of Victoria, Victoria, BC, Canada 2017 - 2019 NRC Research fellow, NRC Herzberg Institute for Astrophysics, Victoria, BC, Canada 2015 - 2017 Beatrice Watson Parrent Fellow, Institute for Astronomy, University of Hawaii, USA 2011 - 2015 PhD candidate, Leiden Observatory, Leiden University, the Netherlands	
EDUCATION	Leiden Observatory: 2011 - 2015 PhD Astronomy with professor Ewine van Dishoeck (degree Cum Laude) <i>Thesis: Mind the gap: gas and dust in planet-forming disks</i> 2009 - 2011 Master Astronomy and Instrumentation, Research track 2004 - 2009 Bachelors Physics and Astronomy Additional training: 2022-2023 Basic qualification education (BKO), ICLON 2021-2022 Academic leadership, Leiden University	
RESEARCH INTERESTS	Protoplanetary disks – Millimeter interferometry – Molecular line modeling – Astrochemistry – Planet formation theory – Dust radiative transfer – SED modeling – Direct imaging (AO/coronagraphy)	
PUBLICATIONS	19 first-author refereed publications, 57 co-author refereed publications. 4386 citations total, including a first-author paper in <i>Science</i> (2013) with 461 citations.	
AWARDS AND NOMINATIONS	<ul style="list-style-type: none">• Banting Fellowship 2019 (NSERC)• NAOJ visitor grant (\$3k)• Honorary mention for Christiaan Huygens Award 2018 by the Royal Dutch Academy of Sciences (KNAW)• ALMA Ambassador 2017, NRAO, Charlottesville, Virginia, USA (\$10k)• C.J. Kok award Dissertation of the year 2015, Leiden University, the Netherlands• PhD Cum Laude, Leiden University, the Netherlands• Finalist Young Speaker Contest Fysica 2014, Dutch Physical Society, the Netherlands• Winner Bachelorproject competition (organized by Dutch Physical Society), Fysica 2009, the Netherlands	
TEACHING	Spring 2023 Lecturer BSc course ‘Astronomical Observing Techniques’, Leiden Observatory Dec 2022 Lecturer Medellin-Leiden AstroTwin school, University of Antioquia, Colombia Dec 2021 Guest lecturer Medellin-Leiden AstroTwin school, University of Antioquia, Colombia Sept 2020 Lecturer and organizer virtual ALMA workshop for Canadian graduate students, UVic August 2019 Lecturer at Grad Summer School on Planet formation, Niels Bohr International Academy 2018, 2019 Guest lecturer in undergrad course ASTR255 ‘Planetary sciences’, University of Victoria Spring 2017 Lecturer in two month graduate seminar ASTR736 ‘Astrochemistry’, University of Hawaii Spring 2017 Lecturer one-day workshop as ALMA Ambassador, University of Hawaii Fall 2016 Guest lecturer in undergrad course ASTR494 ‘Senior Researchmethods’, University of Hawaii Fall 2015 Lecturer one-week workshop ALMA data reduction and DALI usage, Leiden Observatory 2010-2012 Teaching Assistant 3 semesters undergrad course ‘Observing techniques’, Leiden Observatory	

STUDENT SUPERVISION	Fall 2022-present	Supervision joint PhD student Xinyu Zheng, Leiden Observatory & Tsinghua University
	Fall 2022-present	Cosupervision PhD student Milou Temmink, Leiden Observatory
	Fall 2021-present	Supervision PhD student Osmar Guerra Alvarado, Leiden Observatory
	Fall 2021-present	Supervision PhD student Alessia Rota, Leiden Observatory
	Fall 2021-present	Supervision 6 MSc students, Leiden Observatory
	Fall 2021-present	Supervision 2 BSc students, Leiden Observatory
	2021-2022	Cosupervision graduate student Yansong Qian, University of Toronto
	2018-2021	Cosupervision graduate student Logan Francis, University of Victoria
	2018-2021	Cosupervision graduate student Jiaqing Bi, University of Victoria
	2020-2022	Cosupervision PhD student Brodie Norfolk, Swinburne University
	2018-2021	Supervision 6 undergraduate students, NRC Herzberg/University of Victoria
	Summer 2017	Supervision REU student, University of Hawaii
	2013-2015	Supervision 3 MSc students, Leiden Observatory

TALKS
 Conferences (2012-2023): 11 invited reviews, 17 invited talks, 28 contributed talks
 Institute visits (2012-2023): 35 invited colloquia, 30 institute seminars

SELECTED TALKS	May 2023	New eyes on the Universe: SKA and ngVLA, Vancouver, Canada (Invited review)
	March 2023	Blaauw symposium, Groningen, the Netherlands (Invited talk)
	Oct 2022	Five years of GRAVITY, Ringberg, Germany (Invited review)
	Oct 2022	Niels Bohr Medal Symposium, Copenhagen, Denmark (Invited talk)
	Aug 2022	CITA Planet symposium, Toronto, Canada (Invited talk)
	June 2022	MW-Gaia workshop, Aarhus, Denmark (Invited review)
	March 2022	Opportunities and Diagnostics in the Infrared and Beyond, CA, USA (Invited review)
	May 2021	Virtual Distorted Astrophysical Discs (Invited talk)
	May 2021	Virtual Astrochemistry Discussions (Invited talk)
	July 2020	Virtual Origins Seminar, University of Arizona, USA (Invited talk)
	Nov 2019	LRP2020 Town Hall, NRC Herzberg, Victoria, BC, Canada (Invited talk)
	July 2019	Great barriers in planet formation, Palm Cove, Australia (Invited review)
	June 2019	Radio Astrophysical Frontiers in the Next Decade, Charlottesville, VA, USA (Inv. review)
	May 2019	The Future of Canadian Radio Astronomy, Penticton, BC, Canada (Invited talk)
	Oct 2018	NRAO Colloquium, Charlottesville, VA, USA (Invited talk)
	July 2018	Aspen Centre for Physics Colloquium, Aspen, CO, USA (Invited talk)
	March 2018	ESO Workshop Diversis Mundi, Santiago, Chile (Invited review)
	Oct 2017	Frank N. Bash symposium, Austin, TX, USA (Invited talk)
	April 2016	Young Solar Systems, Sant Cuget, Spain (Invited talk)
	March 2016	Synergistic Science in the Radio Regime, Carnegie, Pasadena, CA, USA (Invited review)
	March 2016	Planet formation and evolution conference, Duisburg, Germany (Invited review)
	April 2014	Herbig AeBe conference, Santiago, Chile (Contr. talk)
	Dec 2013	Subaru conference, Kona, Hawaii, USA (Invited talk)
	June 2013	IAUS 299, Victoria, Canada (Contr. talk)
	April 2013	2013 Rocks, Waikoloa, HI, USA (Contr. talk)
	Dec 2012	First Science with ALMA, Puerto Varas, Chile (Contr. talk)

	2023 - present	ELT/METIS Science Team member
	2022 - present	PBC member, Leiden Observatory
	2022 - present	Education committee, Leiden Observatory
	2016 - present	Referee for ApJ, MNRAS, A&A, PASJ, Nature
	2023	NWO Rubicon panel
	2021 - 2023	JWST TAC panel
	2022 - 2023	SOC ESLAB symposium, Noordwijk, the Netherlands
	2021 - 2022	LOC Chair Spirit of Lyot, Leiden, the Netherlands
	2020 - 2022	SOC Virtual Astrochem Discussions
	2020 - 2022	NASA XRP Review panel
	2020 - 2021	SOC CASCA annual meeting 2021
	2020 - 2021	CASCA Equity and Inclusivity committee
ACADEMIC SERVICES	2019 - 2021	ALMA Assessment Panel CASCA
	2019 - 2021	CASCA Education and Public Outreach committee
	2018 - 2020	ARCADE (ALMA-CANFAR working group), NRC Herzberg, Victoria
	2018 - 2019	Science Tea organizer, NRC Herzberg, Victoria
	2018 - 2019	Colloquium committee, NRC Herzberg, Victoria
	2018 - 2019	LOC New Horizons conference, Victoria
	2016 - 2018	SOC Aspen Workshop on planet formation, Aspen
	2017 - 2018	SOC Symposium in celebration of Ewine van Dishoeck, Caltech
	2016 - 2017	UH TAC, Institute for Astronomy, University of Hawaii
	2016 - 2017	Colloquium committee, Institute for Astronomy, University of Hawaii
	2016 - 2017	Graduate admissions committee, Institute for Astronomy, University of Hawaii
	2014 - 2015	SOC and organizer Lorentz Center workshop 'Transition disks', Leiden University
	2005 - 2006	Co-organizer NNV symposium Fysica 2006, Leiden
		<ul style="list-style-type: none"> • 40+ public talks at e.g. Science cafe, Open house, Nerd Nite, amateur astronomer clubs, etc. (2011-present) • Founder and organizer Nerd Nite Victoria (2018-2021) • ESO Press release 'Astronomers discover largest molecule yet in a planet-forming disc' (2022) • NRAO Press release 'Scientists Use Stellar Mass to Link Exoplanets to Planet-Forming Disks' (2021) • NRAO Press release 'ALMA discovers misaligned rings in planet-forming disk around triple stars' (2020) • ESO Press release 'ALMA reveals planetary construction sites' (December 2015) • ESO Press release 'ALMA discovers comet factory' (June 2013) • Contributor Faces of Science and Science Battle (2015) • Head organizer Nederlandse Sterrenkunde Olympiade 2012, Leiden Observatory (Spring 2012)
OUTREACH AND PRESS		
	(Sub)millimeter:	ALMA (approved proposals: 8 as PI, 33 as co-I), SMA (8 nights, 2016; 5 nights, 2017), APEX (3 nights, 2012), CARMA (1 night, 2011), IRAM 30-m (4 nights, 2011),
	Optical/NIR:	Keck-NIRC2 (3 nights, 2016; 4 nights, 2017), Subaru-SCEXAO (4 nights, 2016; 2 nights, 2017), VLT X-shooter (scripts for queue observing, 2014), WHT (5 nights 2012, 6 nights 2013) and INT (5 nights, 2007)
OBSERVING AND TECHNICAL SKILLS	Mid/Far IR:	Herschel-PACS (data reduction), VLT-VISIR (data reduction)
	Programming:	Python, IDL, CASA, CLASS, STARLINK, C++
	Modeling:	DALI, RADMC(-3D), LIME
	Aug 2019 - Aug 2021	Volunteer Island Afro Latin Events, Victoria, Canada
	Oct 2016 - Nov 2017	Member Beautification committee Institute for Astronomy, University of Hawaii
	Dec 2015 - Nov 2017	Volunteer Hawaiian Bicycle League, Honolulu, USA
	Nov 2010 - July 2014	Member Social committee Leiden Observatory
	Nov 2004 - August 2012	Editor of Eureka! Magazine (including 2,5 years as head editor)
SECONDARY ACTIVITIES	Sep 2006 - Sep 2010	Member of the Senator Council of study society De Leidsche Flesch
	Aug 2007 - June 2008	Member Lustrum Committee De Leidsche Flesch
	April 2007 - April 2008	Student representative in the board of the NNV (Dutch Physical Society)
	April 2007 - April 2008	President of SPIN (Students of Physics in the Netherlands)
	Oct 2006 - April 2007	Secretary of SPIN
	Sep 2005 - Sep 2006	Secretary of the board of De Leidsche Flesch
	Oct 2005 - April 2006	Member of year book committee De Leidsche Flesch