

# Jon Trevor Mendel | Curriculum Vitae

Research School of Astronomy & Astrophysics, The Australian National University  
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## Education

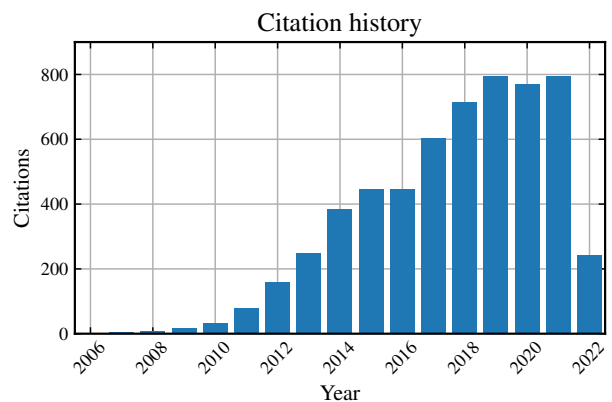
- **Swinburne University of Technology** **Melbourne, Australia**  
○ *Ph.D in Astrophysics* 2010
- **Macalester College** **St. Paul, United States**  
○ *B.A. in Physics with astronomy emphasis* 2005

## Employment History

- **The Australian National University** **Canberra, Australia**  
○ *Research Fellow* 2021–
- **The Australian National University** **Canberra, Australia**  
○ *ASTRO 3D Research Fellow* 2017-2021
- **Max-Planck-Institut für Extraterrestrische Physik** **Munich, Germany**  
○ *Research Scientist* 2012–2017
- **The University of Victoria** **Victoria, Canada**  
○ *Postdoctoral Research Fellow* 2009–2012

## Research Summary

- 80 refereed papers published with >5800 citations
- Hirsch-index of 43; *m*-index of 2.5.
- 30+ talks and colloquia, with 16 invited contributions.
- 40 nights of observing experience with 4-8m class telescopes; 150+ nights of successful observing proposals on the ESO VLT (60+ as PI).



## Grants and Funding

- 2022 CI on ARC LE220100037 (Lead CI McDerimid; AUD\$1,749,940)
- 2021 Lead CI, SSO/RSAA strategic funding award for WISP (Wide-field Infrared SPectrograph) (AUD\$30,000)
- 2020 CI on ARC DP210101945 (Lead CI Lagos; AUD\$645,000)
- 2018 CI on workshop sponsored by ARC CoE "ASTRO 3D" (AUD\$7,000)
- 2018 CI on onference sponsored by ARC CoE "ASTRO 3D" (AUD\$15,000)
- 2016 Lead CI Lorentz Center Workshop support grant (AUD\$10,000)
- 2015–2016 Co-investigator, Deutsches Zentrum für Luft- und Raumfahrt (DLR) grant (PI Beifiori; AUD\$90,000)
- 2014 CI, Macquarie University research development grant (PI Spitler; AUD\$34,965)
- 2005–2009 Swinburne University Postgraduate Research Award (AUD\$40,000/year)

## Teaching and Supervisory Experience

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2023	Convenor, ASTR2013 Introduction to Astrophysics
2019–	Convenor, RSAA Summer Scholarship Program
2018–	Co-supervisor of 1 masters (Jing Li) and 3 PhD (Stephanie Monty, Zefeng Li, Jae Yeoon Mun)
2012–2016	Associate supervisor of 2 PhD students (Dr. Jeffrey Chan, Dr. Matteo Fossati)
2015	Supervisor of 2 summer students (Adam Wake, Dr. Lindsay Oldham)
2011	Introduction to Astronomy (ASTRO150, 2 lectures), University of Victoria
2010	Concepts in Modern Astronomy (ASTRO250, 1 lecture), University of Victoria
2009	Graduate survey course “Galaxy Kinematics” (1 lecture), University of Victoria
2006–2008	Instructor for Swinburne Astronomy Online, Swinburne University

## Outreach Activities

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2019	Uluru Astronomer in Residence Ayers Rock Resort, Northern Territory, Australia
2014	Public talk – <i>How to build the Universe</i> Community Skis, Mammoth Lakes, United States
2011	Public talk – <i>Galaxies and their environments</i> Royal Astronomical Society of Canada, Victoria, Canada
2002–2005	Public viewing nights Macalester College Observatory, St. Paul, United States

## Professional Activities

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2022–	Member, RSAA / AITC Inclusion, Diversity, Equity, and Access (IDEA) committee
2020–	Grant Reviewer, Australian Research Council DECRA and Discovery Projects
2020–	Reviewer, Swiss National Science Foundation FLARE proposals
2020–	Member, Siding Spring Observatory time allocation committee
2020–	Member, RSAA / AITC distinguished visitor committee
2019–	Deputy Chair, ASTRO 3D Galaxy Evolution research thread
2019–	Member, Gemini Infrared Multi-Object Spectrograph (GIRMOS) science team
2018–2019	Member, ASTRO 3D Equity and Diversity committee
2018–	Member, MAVIS instrument science team (ANU representative)
2015	Visiting scientist, MPI für Astronomie, Heidelberg, Germany
2014	Visiting associate, Macquarie University, Sydney, Australia
2011–	Expert reviewer for Canadian NSERC grant applications
2010	Expert referee for Canadian Gemini Time Allocation Committee
2008–	Referee for MNRAS, A&A, ApJ, and ApJS

## Colloquia and Conference Talks (past 5 years)

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2022	<i>An In-Situ View of Galaxy Formation</i> , Schloss Ringberg, Germany ( <b>invited</b> )
2021	<i>Pietro Baracchi III conference</i> , Virtual ( <b>invited</b> )
2020	<i>European Astronomical Society annual meeting</i> , Virtual
2019	<i>MAVIS science meeting</i> , Florence, Italy ( <b>invited</b> )
2019	<i>The Life and Death of Star-Forming Galaxies</i> , Perth, Australia ( <b>invited</b> )
2018	<i>KMOS@5: Star and Galaxy Formation in 3D workshop</i> , Garching, Germany ( <b>invited</b> )
2018	<i>Gas Fuelling of Galaxy Structures across Cosmic Time</i> , Barossa Valley, Australia ( <b>invited</b> )
2018	University of Melbourne, Melbourne, Australia ( <b>invited colloquium</b> )
2018	Astronomical Society of Australia Science Meeting, Melbourne, Australia
2018	<i>MAVIS Science &amp; Instrumentation Workshop</i> , Sydney, Australia
2017	<i>The Physics of Quenching Massive Galaxies</i> , Leiden, The Netherlands ( <b>invited</b> )
2017	<i>2017 ESO Calibration Workshop</i> , Santiago, Chile ( <b>invited</b> )

## Selected Publications

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- “A Catalog of Bulge+disk Decompositions and Updated Photometry for 1.12 Million Galaxies in the Sloan Digital Sky Survey”, Simard, L., **Mendel, J. T.**, et al., 2011, ApJS, 196, 11 [**444 citations**]
- “Galaxy pairs in the Sloan Digital Sky Survey - V. Tracing changes in star formation rate and metallicity out to separations of 80 kpc”, Scudder, J. M., and 4 others including **Mendel, J. T.**, 2012, MNRAS, 426, 546 [**162 citations**]
- “Evidence for a non-universal stellar initial mass function in low-redshift high-density early-type galaxies”, Dutton, A. A., **Mendel, J. T.**, Simard, L., 2012, MNRAS, 422, 33 [**69 citations**]
- “A Catalog of Bulge, Disk, and Total Stellar Mass Estimates for the Sloan Digital Sky Survey”, **Mendel, J. T.**, et al. 2014, ApJS, 2010, 3 [**173 citations**]
- “Bulge mass is king: the dominant role of the bulge in determining the fraction of passive galaxies in the Sloan Digital Sky Survey”, Bluck, A. F. L., **Mendel, J. T.**, et al., 2014, MNRAS, 441, 599 [**167 citations**]
- “The KMOS<sup>3D</sup> Survey: Design, First Results, and the Evolution of Galaxy Kinematics from  $0.7 < z <= 2.7$ ”, Wisnioski, E., and 26 other coauthors including **Mendel, J. T.**, 2015, ApJ, 799, 209 [**361 citations**]
- “First Results from the VIRIAL Survey: The Stellar Content of UVJ-selected Quiescent Galaxies at  $1.5 < z < 2$  from KMOS”, **Mendel, J. T.**, et al. 2015, ApJ, 804, 4 [**33 citations**]
- “Towards a physical picture of star formation quenching: the photometric properties of recently quenched galaxies in the Sloan Digital Sky Survey”, **Mendel, J. T.**, et al. 2013, MNRAS, 429, 2212 [**58 citations**]