Research School Astronomy & Astrophysics
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Nationality:	American

Employment & Education			
EDUCATION	Fellow (Facu	ulty) (2021 onwards);	
		tional University, Canberra, Australia	
	ASTRO 3D	Fellow $(2017 - 2021);$	
		ational University, Canberra, Australia	
		l Fellow (2012 – 2017);	
	Max Flanck I.	nstitute for Extraterrestrial Physics, Garching, Germany	
	· ·	– 2012) Astrophysics	
		niversity of Technology, Melbourne, Australia nematic Properties of Clumpy Star-Forming Galaxies	
	10000. 100 110		
	,	2008) Physics; Minor in Mathematics, Concentration in s University, Baltimore, United States	A strophysics
Research			
SUMMARY	Publications	(first author $=$ leading contributor)	55(5)
		p-author, first author)	4478 (410)
		ndex $(=h-index/years since first publication)$	31, 3.4
		s (colloquia, conference invited, conference contributed)	45 (13, 15, 17)
	Time awarde	ed as principal investigator (PI) on 8+m class telescopes	430 hours; \sim \$5M AUD
Research			
Interests	Galaxy kine	matics and evolution	
	•	and 'far field' connections	
	Star formati	on on galactic and sub-galactic scales	
	Galaxy quen	aching	
Main Research			
Collaborations	2019-pres.	ASTRO 3D ARC Centre of Excellence; Deputy Chair: 0	Galaxy Evolution
	2019-pres.	MAGPI Survey; Principle investigator	
	2018-pres.	First ESO Large Program allocation to Australia K3-LARS Survey; Principle investigator	
	2013 - pres. 2012 - 2019	KMOS-3D Survey; Survey manager	
	2012 - 2013 2011 - 2018	DYNAMO Survey; Member	
	2009 - 2013	WiggleZ Dark Energy Survey; Member	
Instrumentation			
INVOLVEMENT			
	2018-pres.	Hector Executive Committee; Member	
	2018-pres.	Gemini Infrared Multi-Object Spectrograph (GIRMOS) Science team member, Science case contributor,	for the Gemini 8m Telescope;
	2018-pres.	MCAO Assisted Visible Imager and Spectrograph (MAV	VIS) for the
		European Extremely Large Telescope (ELT);	
		Science team member, Co-I on two white papers	

Awards/Grants

Awards

Astronomical Society of Australia Lo	puise Webster Prize, 2018 ($$2500$);
for outstanding research by an	early career researcher

Astronomical Society of Australia Charlene Heisler Prize, 2013 (\$500); for outstanding astronomy PhD thesis

General Funding Proposals

ANU Futures Scheme, 2019 (\$500 000)
For establishment or enhancement of EMCR research career
PI on ASTRO-3D awarded workshop, 2019 (\$7 000)
"Apples to apples: confronting simulations with observations from pc to Mpc scale"
Co-I on ASTRO-3D awarded conference, 2018 (\$15 000)
"The life and death of star-forming galaxies;"
ANU Carers' Career Development Assistance Fund, 2018 (\$600)
Swinburne University Postgraduate Research Award, $2008-2011$ (\$24 000 / yr)
Australian Nuclear Science and Technology Organisation, 2009 & 2011, (\$10 240)
Telescope Proposals (PI, \$5M AUD)
2019: <u>VLT</u> : X-Shooter $(4.3hrs;$ facility over-subscribed by $5.5x)$
2019: <u>VLT</u> : MUSE (339.3 <i>hrs</i> ; facility over-subscribed by 6x; one of 5 PIs)
2019: <u>VLT</u> : FORS2 (8 hrs ; facility over-subscribed by 4x)
2018: <u>VLT</u> : FLAMES ($28hrs$; facility over-subscribed by $4.4x$)
2018: <u>VLT</u> : KMOS ($40hrs$; facility over-subscribed by $3.4x$),
2016: <u>VLT</u> : X-Shooter $(14.5hrs; facility over-subscribed by 5.5x)$
2010: <u>AAT</u> : IRIS2 $(8.5hrs;$ facility over-subscribed by $2.5x)$

Select Publications

My co-authored research has been cited over 4478 times, including more than 400 as first author, with a current average of 89 citations per paper, or 82 citations per first-author paper. These statistics place me in the top 1% of astrophysicists internationally (Pearce 2004, Astronomy & Geophysics, 45, 2.15) and in Australia (Pimbblet et al. 2011, PASA, 28, 140). As of mid-2020 I have written 55 refereed papers.

Wisnioski, Förster Schreiber, Fossati, et al. **2019**, ApJ, submitted The KMOS ^{3D} Survey: data release and final survey paper

Übler, Genzel, <u>Wisnioski</u>, et al. **2019**, ApJ, *accepted*, *arXiv:1906.02737* The Evolution and Origin of Ionized Gas Velocity Dispersion from $z \sim 2.6$ to $z \sim 0.6$ with KMOS ^{3D}

Wisnioski, Mendel, Förster Schreiber, et al. **2018**, ApJ, 855, 97; The KMOS ^{3D} Survey: rotating compact star-forming galaxies and the decomposition of integrated line widths

Wuyts, <u>Wisnioski</u>, Fossati, et al. **2016**, ApJ, 827, 74; The Evolution of Metallicity and Metallicity Gradients from z = 2.7 - 0.6 with KMOS ^{3D}

<u>Wisnioski</u>, Förster Schreiber, Wuyts, et al. **2015**, ApJ, 799, 209; The KMOS ^{3D} Survey: design, first results, and the evolution of galaxy kinematics from 0.7 < z < 2.7

<u>Wisnioski</u>, Glazebrook, Blake, et al. **2012**, MNRAS, 422, 3339; Scaling Relations of Star-Forming Regions: from kpc-size clumps to HII regions.

Full publication list with citations given here: https://tinyurl.com/wisnioski

Emily Wisnioski

TEACHING		
	2015-2019	Please contact me for information of my supervisory roles of Masters and PhD students.
	2009 - 2012	Supervision of Vacation Scholars at Swinburne University
	2009 - 2011	Instructor for Swinburne Astronomy Online
		Oversaw and directed student projects and course work for ~ 4 students per semester. Responsible for assessing the work and guiding students to completion.
Outreach		
	2018	Invited talk at Stromlo Student Seminars
	2018 - 2019	Active in outreach activities at ANU
	2015-2016	(e.g. presentations to visiting school and University students) Mentor for "1000 Girls, 1000 Futures" mentoring program
	2009 2009	Contributor for "Speed meet a Geek," Australian National Science Week Contributor for Science in Schools Observation Night
Professional		
Development	2019	Supervisor Development Program; ANU
	2018	Women Speaking Workshop in Canberra; ANU
Professional Activities		
	Internation	
	2018	Member of European Southern Observatories (ESO) Observing Programs Committee (OPC)
	2018-2019	SOC member for large international conference; 2018; Perth, Australia: "The life and death of star-forming galaxies"
	2014-pres.	Referee for professional journals: MNRAS, ApJ, A&A
	National	
	2020 - 2021	Member of AAL Project Oversight Committee (APOC)
	2018-pres.	Member of Hector Executive Committee
	2018-2019	Chair of Australian Astronomical Observatory User Committee (AATUC)
	2016 - 2017	Member of Australian Astronomical Observatory User Committee (AAOUC)
	2009-2012 2008-pres.	Student member of Australian Astronomical Observatory User Committee (AAOUC) Member of the Astronomical Society of Australia (ASA)
	Institution	
	2020-2022	Member of Bok Honours Year Scholarship Selection Committee (ANU RSAA)
	2020 - 2022 2020 - 2022	Member of Colloquium Speakers Committee (ANU RSAA)
	2019 - 2021	Member of Thesis Oversight Committee (ANU RSAA)
	2010 - 2021 2018 - 2020	Member of Distinguished Visitor Committee (ANU RSAA)
	2018 - 2019	Panel member on 3 post-doctoral hiring committees (ANU RSAA)
	2018 - 2019 2018 - 2019	Co-organizer of informal Astro-ph discussions, "Paper-Flash" (ANU RSAA)
	2010 - 2013 2010 - 2011	Member of the Swinburne Time Allocation Committee for Keck (STACK; Swinburne)
	2009 - 2011 2009 - 2010	Coordinator for Astrophysics Student Budget (Swinburne)

Select Talk Invitations:

$2020~\mathrm{Aug.}$	University of Western Australia (Perth, Australia)
2019 Jun.	European Week of Astronomy and Space Science (Lyon, France)
2019 Mar.	University of Melbourne (Melbourne, Australia)
2019 Mar.	Extremely Big Eyes on the Early Universe (Kashiwa, Japan)
2018 Nov.	Gas Fuelling of Galaxy Structures across Cosmic Time (Barossa Valley, Australia)
2018 Jun.	Astronomical Society of Australia Annual Science Meeting
	- Prize talk (Melbourne, Australia)
2018 Apr.	European Week of Astronomy and Space Science (Liverpool, UK)
2016 Nov.	In Situ View of Galaxy Formation (Ringberg, Germany)
2016 Sept.	The Changing Face of Galaxies (Hobart, Australia)
2016 Mar.	Formation & Evolution of Galaxy Outskirts (Toledo, Spain)
2015 Nov.	Consensus, Evolution, Physics with 3D-HST (New Haven, USA)
2015 Sept.	Science with MOS: towards the E-ELT era (Cefalu, Italy)
2015 Aug.	Max Planck Institute for Astrophysics (Heidelberg, Germany)
2015 May	The Many Pathways to Galaxy Growth (Prato, Italy)
2014 Oct.	Decoding the Assembly History of Galaxies (Lorentz Center, The Netherlands)