ADRIANO POCI

PERSONAL INFORMATION

email	adriano.poci@durham.ac.uk
ORCiD	0000-0002-5422-7441
webpage	adriano-poci.github.io
address	OCW201, Centre for Extragalactic Astronomy, Durham University

GOAL

To use my skills and knowledge acquired through university to continue to study the Universe as a full-time career.

PUBLICATIONS

Metrics $h-$index: 8 · NASA/ADS Link

Lead: 6 Poci, A., McDermid, R. M., Lyubenova, M., Martín-Navarro, I., et al. (2022). *Monthly Notices of the Royal Astronomical Society* 514(3), pages 3660–3669. ISSN: 0035-8711. DOI: 10.1093/mnras/stac1514

Poci, A. and Smith, R. J. (2022). *Monthly Notices of the Royal Astronomical Society* 512(4), pages 5298–5310. ISSN: 0035-8711. DOI: 10.1093/mnras/stac776

Poci, A., McDermid, R. M., Lyubenova, M., Zhu, L., et al. (2021). *Astronomy & Astrophysics* 647, A145. ISSN: 0004-6361, 1432-0746. DOI: 10.1051/0004-6361/202039644

Poci, A., McDermid, R. M., Zhu, L., and van de Ven, G. (2019). *Monthly Notices of the Royal Astronomical Society* 487(3), pages 3776–3796. ISSN: 0035-8711. DOI: 10.1093/mnras/stz1154

Poci, A., Cappellari, M., and McDermid, R. M. (2017). *Monthly Notices of the Royal Astronomical Society* 467(2), pages 1397–1413. ISSN: 0035-8711. DOI: 10.1093/mnras/stx101

Poci, A., Kuehn, K., Abbott, T., Abdalla, F. B., et al. (2016). *Publications of the Astronomical Society of Australia* 33, e049. ISSN: 1323-3580, 1448-6083. DOI: 10.1017/pasa.2016.42

Contributor Co-Author Subset

ACADEMIC POSTS

2021-present **Durham University, Durham, United Kingdom**

Post-Doctoral Research Assistant Primarily research position studying the stellar Initial Mass function in external galaxies, using a broad variety of techniques. These include direct modelling of the stellar light via their spectra, the modelling of the galaxy mass via strong gravitational lensing, and the combined modelling of the stellar content via sophisticated dynamical models. The position also includes teaching duties of undergraduate students, organising group meetings, and asistance in the supervison of research students.

EDUCATION

2016-2021 **Macquarie University, Sydney, Australia**

Doctorate of Philosophy School: Astronomy and Astrophysics
Description: The Doctorate of Philosophy program, which is a full-time research position, where I developed sophisticated modelling techniques combining stellar population and stellar dynamical measurements in a robust way for the first time. Other duties included applying for telescope time, organising group meetings, supervising undergraduate laboratories, and presenting my work at conferences. The outcome of degree was a series of papers, collated into a thesis.

2015 **Macquarie University, Sydney, Australia**

Master of Research	Grade: 82% · School: Astronomy and Astrophysics Description: The second year of the Master of Research program is devoted entirely to research. I constructed dynamical models of galaxies to constraint the Initial Mass Function. This year involved international collaborations, conference attendance, and writing journal articles, in addition to the research and Thesis writing. The outcome of degree was a paper, and formal thesis.

2014 Macquarie University, Sydney, Australia

Bachelor of Philosophy	GPA: 3.750 (4-pt. scale) · School: Astronomy and Astrophysics Description: As the first year of the Master of Research program, this course extended on the content of the Bachelor of Science, with emphasis on real-world physics and applications to real research. In addition, it dealt with more advanced content, including magnetohydrodynamics, Bell's Inequality, and thermodynamics.

2011–2013 Macquarie University, Sydney, Australia

Bachelor of Science	GPA: 3.545 (4-pt. scale) · School: Astronomy and Astrophysics Description: Extensively covered advanced topics in quantum physics, solid-state and particle physics, astronomy instrumentations, and astrophysical theories. I took additional non-compulsory mathematics courses.

2009-2010 Bossley Park High School, Sydney, Australia

Higher School Certificate	ATAR: 89.35 (99.95-pt. scale)

ACADEMIC EXPERIENCE AND AWARDS

Awards	2018 · European Southern Observatory (ESO) Studentship Programme
	2014 · Australian Institute of Physics Prize for the Masters of Research Program in Physics
	2014 · Invitation to join, and acceptance into, the Golden Key International Honour Society
	2014 · Macquarie University Summer Vacation Scholarship
	2013 · Macquarie University Summer Vacation Scholarship
Research/External Experience	2019 · Scientific Assistant on the Observing Programmes Committee (OPC) at ESO
	2019 · 12 months full-time research at ESO (Garching)
	2018 · Working visit to ESO (Garching)
	2018 · Working visit to MPIA (Heidelberg)
	2017 · Participation in ASA IDEA Diversity in Astronomy Workshop
	2017 · Working visit to MPIA (Heidelberg) and ESO (Garching)
	2015 · Working visit to Oxford University
Observing Time	ESO VLT P110 · 317 h MUSE (CoI)
	ESO VLT P109 · 6 h MUSE (PI)
Journal Referee	Publons Profile
	2022 onwards · PASA
	2017 onwards · MNRAS
Invited Talks	2022 · Bridging Gaps Between Dynamical Probes of Galaxies Lorentz Centre Workshop
	2021 · MPIA Heidelberg Galaxy Coffee Seminar
	2020 · Dynamical Reconstruction of Galaxies Lorentz Centre Workshop
	2017 · MPIA Heidelberg Galaxy Coffee Seminar
	2016 · The Universal Problem of the Non-Universal IMF Lorentz Centre Workshop
Contributed Talks	2021 · NAM2021 - Beyond 1D

2021 · NAM2021 - DM Lensing

2021 · GalSpec2021

2020 · Linking the Galactic and Extragalactic

2019 · Fornax3D Collaboration Meeting Heidelberg

2019 · ESO Wine and Cheese Seminar

2019 · Universitäts-Sternwarte München Computational Astrophysics Group Meeting

2019 · The Life and Death of Star-Forming Galaxies

2018 · Fornax3D Collaboration Meeting Padova

2018 · Astronomical Society of Australia's (ASA) Annual Scientific Meeting

Contributed Posters

2017 · Astronomical Society of Australia's (ASA) Annual Scientific Meeting

COMPUTER SKILLS

Advanced

- Physical Hardware builds
- BASH
- Microsoft WINDOWS and OFFICE
- PYTHON
- Exelis IDL

- Wolfram MATHEMATICA
- Mathworks MATLAB
- SQL
- Ventana Systems UK VENSIM
- QSUB and SLURM queue software

Intermediate

- LaTeX
- XML

- FORTRAN
- HTML

OTHER INFORMATION

Languages

ENGLISH · Mothertongue

ITALIAN · Good

GERMAN · A.1.1

Interests

Drums · Music · Running · Football · Backyard Astronomy · Reading · Programming

July 18, 2022