Curriculum Vitae Clare Wethers

## CLARE WETHERS

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I am interested in exploring the role of quasars in galaxy evolution. My current research strives to characterise the host galaxies of various quasar classes over multiple wavelengths, placing particular focus on their star formation rates and environments.

Keywords: galaxy evolution; galaxy-quasar connection; multi-wavelength s	spectroscopy
Research Experience	
University of Turku  FINCA postdoctoral research fellow in quasar-galaxy co-evolution with Prof. Jari K Key topics: SFRs of quasar hosts, LoBALs, quasars in GAMA	2018 - present Kotilainen
EDUCATION	
University of Cambridge Ph.D in Astronomy Thesis: "Exploring the Hosts of the Most Massive and Luminous Reddened Quasars Supervisors: Dr. Manda Banerji Prof. Paul Hewett	2014 - 2018
University of Nottingham  MSc (Hons) in Physics and Astronomy  Thesis: " $H\alpha$ Emission Lines From Proto-Galaxies"  Supervisors: Prof. Christopher Conselice	<b>2010 - 2014</b> Class I
PRIZES & AWARDS	
STFC Studentship	
Co-supervision of Masters student, Nischal Acharya Title: "The environments and SFRs of Quasar Hosts in GAMA"	
Galaxies and Cosmology (2020), taught Masters course University of Turku Guest lecture: "Quasars: what are they, how do we find them, and why should we con	are?"
The Structure and Evolution of Stars (2015-2017), third year Physics course Institute of Astronomy, University of Cambridge Small group tutoring [30 hours]	9
OBSERVING EXPERIENCE	

- 2 nights IR spectroscopy and imaging at the Nordic Optical Telescope (NOT)
- 8 nights optical imaging with DECam as part of the Dark Energy Survey (DES)

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Successful Observing Proposals	
SALT-RSS (22.6 hours): "Is UV Emission in Dust-Obscured Hyper-luminous Quasiby Star Formation or Scattered Light?", 2019, P.I.	sars Dominated
EFOSC-MOS (4 nights): "Quasar activity in the neighboring Universe: the role ments and star formation", 2019, Co.I (P.I. Bettoni)	of the environ-
NOTCam (16.0 hours): "Testing the Evolutionary Picture of LoBALs", 2019, P.	.I.
JCMT-SCUBA2 (21.5 hours): "The SCUBA-2 Red Quasar Survey", 2017, Co.1	. (P.I. Banerji)
Computing Skills	
<ul> <li>Languages: Python, MATLAB, bash, LaTEX, HTML, IRAF, PyRAF</li> <li>Software: Le PHARE, DS9, GAIA, TOPCAT</li> <li>Data reduction: SCUBA-2 Reduction Pipeline, SALT RSS Long-slit Data Red</li> </ul>	luction, HIPE
Conferences & Workshops	
IAU Symposium 359: Galaxy Evolution and Feedback Across Different Environments Bento Goncalves, Brazil (speaker)	s (GALFEED), Mar. 2020
IAU Symposium 356: Nuclear Activity in Galaxies Across Cosmic Time, Addis A (speaker)	baba, Ethiopia Oct. 2019
Supermassive Black Holes: Environment and Evolution, Corfu Town, Greece (spea	ker) Jun. 2019
Einasto's Profile: Tartu-Tuorla Cosmology Meeting, Tartu, Estonia (speaker)	Feb. 2019
Tartu-Tuorla Cosmology Meeting, Turku, Finland (speaker)	Oct. 2018
Cosmic Mergers Workshop, Birmingham, UK (speaker)	Sep. 2017
National Astronomy Meeting, Hull, UK (speaker)	Jul. 2017
Galaxy Evolution Across Time, Paris, France (poster)	Jun. 2017
DES Collaboration Meeting, Cambridge, UK (plenary talk)	Dec. 2016
OUTREACH ACTIVITIES	

**School visits:** In collaboration with the Ethiopian Space Science and Technology Institute (ES-STI), I visited a secondary school in Addis Ababa to talk about careers in Astronomy.

**Astronomy Open Evenings:** I led groups of 30 children and young adults from local scout and guide groups in telescope tours and amateur observing sessions at the Institute of Astronomy.

Science Festival: I talked about and demonstrated Astronomy concepts to the genal public and school groups.

**Darwin College Science Society:** As a founding member, I was responsible for organising regular events covering all Science disciplines, including seminars with guest speakers, discussion panels, field trips and social activities.