

## Curriculum Vitae – Prof. Vivienne Wild (November 2022)

### **Research interests**

- Physical processes responsible for galaxy formation and evolution, currently focussing on:
  - Post-starburst galaxies and post-mergers
  - Gas supplies, exhaustion and expulsion
  - The galaxy - AGN connection
- I take a multidisciplinary approach, combining:
  - Development of new statistical techniques for analysing large datasets
  - Targeted multiwavelength follow-up to constrain key physical parameters
  - Post-processing of simulations to help interpret observations
  - Studies of gas around galaxies using quasar absorption line systems

### **Professional Experience**

- Professor of Physics and Astronomy, University of St Andrews, 2021 - present
- Reader, School of Physics and Astronomy, University of St Andrews, 2015 - 2021
- Lecturer, School of Physics and Astronomy, University of St Andrews, 2012 - 2015
- Scottish Universities Physics Alliance (SUPA) Advanced Fellow  
School of Physics and Astronomy, University of St Andrews, 2012
- Research Fellow, Institute for Astronomy, University of Edinburgh, 2010 - 2012
- Marie Curie Intra-European Fellow, Institut d'astrophysique de Paris, France, 2008 - 2010
- Post-Doctoral Research Fellow, MAGPOP EU Research Training Network, Max-Planck Institute for Astrophysics, Germany, 2005 – 2008

### **Main administrative roles**

- Deputy director of post-graduate studies, School of Physics & Astronomy, 2022-present  
Responsible for astronomy PhD students and STFC reporting.
- Sustainability Officer, School of Physics & Astronomy, 2021-present  
Responsible for engaging with all school members on environmental sustainability.
- Deputy director of Equality and Diversity, School of Physics and Astronomy, 2021-present  
Including leading the successful Juno Champion award renewal.
- Director of Equality and Diversity, School of Physics and Astronomy, 2016 – 2019  
Including leading the successful bid for an Institute of Physics Juno Champion award.

### **Education**

- Ph.D. in Astrophysics, Institute of Astronomy, University of Cambridge, UK, 2002 – 2005.  
Thesis: *Galaxies in redshift surveys - spatial distributions and interstellar dust*  
(Supervisors: Prof. Paul Hewett and Prof. Ofer Lahav)
- MPhys 1st Class Honours, Institute for Astronomy, University of Edinburgh, Jun 2002.  
Thesis: *Large Scale Structure in the 2dF Galaxy Redshift Survey*  
(Supervisor: Prof. J. Peacock)

### **Selected grants as lead investigator**

- “*Astronomy at St Andrews*”, STFC consolidated grant, P.I. of sub-project to fund 3-year PDRA + 20% salary (£360k), 2021-2025

- *Physics Social Identity, the Gender-Gap, Approaches to Learning*, St Leonard's College Interdisciplinary Doctoral Scholarship grant, co-PI with Dr Ken Mavor (Psychology), 2019-
- “*Galaxy evolution from optical spectra and beyond*”, Royal Society Newton Advanced Fellowship on behalf of Dr Natalia Vale Asari, 2018-2021, £47k
- *Image analysis with the Large Synoptic Survey Telescope (LSST)*, STFC Impact Acceleration grant, 2019-2020, £18k
- *The origins of galaxy bimodality*: ERC starting grant SEDmorph, 2012-2017, €1.4million
- Royal Society Dorothy Hodgkin Fellowship, declined on account of successful ERC application
- Australian Astronomical Observatory Distinguished Visitor Grant, Nov 2012, AUS\$3000
- *The growth of galaxies*: Marie Curie European Re-integration Grant, 2011-2013, €45k towards PhD student salary and travel costs
- *Unveiling galaxy assembly from next generation photometry*: Marie Curie Intra-European Fellowship, salary and research costs, 2008-2010

### **Junior researcher supervision**

- Post-docs: Nick Boardman (2021-now), Lewis McMillan (2019-2020), Aaron Wilkinson (2017-18, University of Ghent), Josh Argyle (2017, data science), Milena Pawlik (2016-18, patent attorney), Noelia Jimenez (2014-16, data science), Kate Rowlands (2013-16, staff astronomer, STSCI), Jairo Mendez-Abreu (2013-16, senior researcher, IAC Tenerife)
- Supervision of PhDs: Sahyadri Krishna (2022-now), Ho-Hin Leung (2020-now), Yirui Zheng (2017-2021), Laith Tajuldeen (2014-18, Physics lecturer, Iraq), Milena Pawlik (2012-16)
- Co-supervisor of PhDs: Ewan Bottomley (2019-now, interdisciplinary with Psychology & Neuroscience), Tim Hewlett (2014-18, Post-doc Chile), Joshua Argyle (2013-17), Joao Ferreira (2011-17)
- Supervision of MPhys theses: E. Cooke (2012, PhD Nottingham), T. Mitchell (2016), A. Rankine (2017, PhD Cambridge), B. Thompson (2017, DEng), J. Weaver (2018, PhD Denmark), K. Gould (2020, PhD Denmark), L. McCallum (2020, with K Wood, PhD St Andrews), D. Marshall (2020, with C. Cyganowski), C. Pirie (2021, PhD Edinburgh)
- Supervision of MSc theses: A. Dinesh (2022), T. Goswamy (2021), J. Proctor (2019, retired), I. Winner (2018)
- PhD thesis examination: Portsmouth, Sussex, Durham, Nottingham + 6 internal
- Masters thesis examiner: University of Victoria, Canada
- Mentor for Dundee-St Andrews joint mentoring project

### **National and international service**

- Institute of Physics Juno Champion institute mentor, 2022-present
- WEAVE Editorial Board member, 2022 – present
- NSF panel member, 2022
- NASA Hubble Fellowship panel member, 2022
- UK STFC Astronomy Grants Panel member, 3 year term, 2016-2018
- Chair of LSST:UK selection committee, 4 year term, 2016-2019
- UK STFC Ernest Rutherford Fellowship panel member, 2015
- CALIFA survey board member, 2012-2014

- Proposal review for STFC (UK funding agency), NWO (Dutch funding agency), NSF (US funding agency), Subaru Telescope, Canada-France-Hawaii Telescope, Canadian funding agency, UK PATT telescope proposals, European Research Council, Opticon telescope network