

# Shelley Adams Wright

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## Biographical Information

### Education

Ph.D. Astrophysics, University of California Los Angeles, 2008  
Advisor: James Larkin  
Dissertation: “A Spatially Resolved Kinematic Study of High-Redshift Star Forming Galaxies: Development and Use of Adaptive Optics Instrumentation”

B.S. Physics, University of California Santa Cruz, 2001  
Advisors: Remington P.S. Stone & Frank Drake  
Thesis: “An Optical SETI detector for Lick Observatory”

### Employment

Associate Professor July 2018 – present  
Physics Department University of California, San Diego  
Focusing on extragalactic research and astronomical near-infrared and optical instrumentation.

Assistant Professor January 2012 - June 2015  
Department of Astronomy & Astrophysics University of Toronto  
Dunlap Institute for Astronomy & Astrophysics  
Focusing on extragalactic research and astronomical near-infrared and optical instrumentation.

UC Presidential Postdoctoral Fellow December 2011  
Chung-Pei Ma University of California, Berkeley  
Research focused on dynamics and metallicity evolution studies of high redshift star forming galaxies ( $z \geq 1$ ) using integral field spectroscopy and imaging with adaptive optics.

Hubble Postdoctoral Fellow September 2009 - November 2011  
Chung-Pei Ma University of California, Berkeley  
Research includes dynamics and metallicity evolution studies of high redshift star forming galaxies ( $z \geq 1$ ) using integral field spectroscopy and imaging with adaptive optics.

Postdoctoral Fellow August 2008 - September 2009  
Elizabeth Barton University of California, Irvine  
Worked on developing science cases, creation of the data simulator, and astrometric cases for the first light instrument, IRIS (Infrared Imaging Spectrograph), for the future Thirty Meter Telescope.

Research Assistant 2004–2008  
James Larkin University of California, Los Angeles  
Research included an adaptive optics treasury study of field galaxies at infrared wavelengths (at  $z=0.3-2.5$ ), OSIRIS integral field spectroscopy of high redshift star forming galaxies using the Keck Observatory laser guide star adaptive optics system, and participation in development of OSIRIS and SHARC near-infrared instruments at the UCLA Infrared Lab.

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## Employment (continued)

Research Assistant Andrea Ghez	2002–2003 University of California, Los Angeles
Used the adaptive optics system at Keck Observatory to study line-of-sight extinction towards the Galactic Center central cluster, and to detect infrared emission surrounding Sgr A*.	
Support Astronomer Romano Corradi	2001–2002 Isaac Newton Group, La Palma, Spain
Support astronomer for Jacobus Kapteyn Telescope. Research includes planetary nebulae emission line fluxes and a massive star survey in Local Group galaxies with the INT Wide Field Camera.	
Staff Research Assistant Remington Stone	1999–2001 Lick Observatory
Construction and commissioning of an optical SETI instrument.	

## Honors and Awards

Hellman Fellowship, University of California, San Diego, 2016  
Presidential Postdoctoral Fellowship, University of California, 2011  
Hubble Postdoctoral Fellowship, Space Telescope Science Institute, 2009 - 2011  
Dissertation Year Fellowship, University of California, Los Angeles, 2007 - 2008  
Outstanding Teaching Award, University of California, Los Angeles, 2005  
Outstanding Teaching Award, University of California, Los Angeles, 2003  
Dean's Award, Natural Science Division, University of California, Santa Cruz, 2001  
Chancellor's Award, University of California, Santa Cruz, 2001