

# Curriculum Vitae

Richard William Pogge

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## Personal:

Birth Date: 1961 February 2

Birthplace: Omaha, Nebraska, USA

Citizenship: USA

## Education:

1983 B.S. with Honors (Physics), California Institute of Technology

1985 M.S. (Astronomy), University of California, Santa Cruz

1988 Ph.D. (Astronomy), University of California, Santa Cruz

Dissertation: "The Circumnuclear Environment of Nearby, Non-Interacting Seyfert Galaxies", Advisor: Prof. Donald E. Osterbrock, UC Santa Cruz

## Appointments Held:

2021 Jun – present College of Arts & Sciences Distinguished Professor of Astronomy

2007 Feb – present Vice Chair for Instrumentation, Ohio State Astronomy Dept.

2003 Oct – present Professor, Ohio State Astronomy Dept.

1998 Oct – 2003 Sept Associate Professor, Ohio State Astronomy Dept.

1992 Oct – 1998 Sept Assistant Professor, Ohio State Astronomy Dept.

1989 Nov – 1992 Sept Postdoctoral Research Associate, Ohio State Astronomy Dept

1988 Sept – 1989 Nov W.J. McDonald Postdoctoral Fellow, McDonald Observatory.

1988 July – Sept Visiting Postdoctoral Astronomer, Lick Observatory

1988 June – July Lecturer in Astronomy, UC Santa Cruz

1986 Jan – 1988 June Graduate Research Assistant, UC Santa Cruz

1984 Sept – 1986 Jan Graduate Teaching Assistant, UC Santa Cruz

1983 – 1984 Graduate Research Assistant, UC Santa Cruz

1983 June – Sept Physics/Calculus Instructor, Caltech

## Honors & Awards:

Caltech Prize Scholarship, 1981 & 1982

B.S. Degree with Honors, Caltech, 1983

UC Regents Fellowship, UC Santa Cruz, 1983

ARCS Foundation Scholar, UC Santa Cruz, 1987

Harlan Hatcher Memorial Award for Excellence, 2008

Fellow of the American Association for the Advancement of Science, 2012

## Memberships in Professional Societies:

American Astronomical Society

Astronomical Society of the Pacific

International Astronomical Union

SPIE (International Society for Optics and Photonics)

American Association for the Advancement of Science

Graduate Students Advisees:

Nancy Joanne Lame	Ph.D. 1995, OSU
Mark Eric Everett	Ph.D. 1997, OSU
Paul Martini	Ph.D. 2000, OSU (advisor of record: Darren DePoy)
Patricia Romano	Ph.D. 2002, OSU (advisor of record: Brad Peterson)
Susan Kassin	Ph.D. 2004, OSU
James Pizagno	Ph.D. 2006, OSU (co-advised with David Weinberg)
Dale Fields	Ph.D. 2006, OSU (co-advised with Smita Mathur)
Joshua Pepper	Ph.D. 2007, OSU
Rebecca Stoll	Ph.D. 2013, OSU
Carl Coker	Ph.D. 2017, OSU (co-advised with Scott Gaudi)
Steven Villanueva	Ph.D. 2018, OSU (co-advised with Scott Gaudi)
Michael Engelman	M.S. 2021, OSU (co-advised in Mechanical Engineering)

Postdoctoral Advisees:

Gisella De Rosa	2012-2016, OSU (co-advised with Brad Peterson)
Kevin Croxall	2012-2016, OSU
Rebecca Coles	2016-2018, OSU
Danielle Berg	2018-2020, OSU

Undergraduate Research Advisees (\*=senior thesis)

Andrew Karam*	1990, OSU (Research student)
Brian Hartung	1996/98, OSU (Instrumentation student)
Sarah Benfer*	1997, Ohio Wesleyan University
John Hudson	2001, OSU (Instrumentation Student)
Julia Janczak*	2008, OSU (Summer Research Program)
Cameron Nelson*	2009, OSU (Summer Research Program)
Tim Arnold	2009, OSU (Instrumentation Student)
Li-Wei Hung*	2010, OSU (Summer Research Program)
Daniel McGregor	2011, OSU (Summer Research Program)
Adam Kavka	2012, OSU (Summer Research Program)
Shelby Owens	2013/14, OSU (Engineering Physics Capstone Project)
Denise Hung*	2015, OSU (Summer Research Program)
Malinda Baer	2016-2018, OSU (Summer Research Program)
Ness Mayker*	2018-2019, OSU (Summer Research Program)
Krisann Stefany*	2018-2019, OSU (Summer Outreach Student)
Nick Clawson	2019-2020, OSU (Instrumentation Lab)
Jackie Appel*	2019-2020, OSU (Summer Research Program)
Jessica Kulp*	2020-2021, OSU (Summer Outreach Student)
Jacob McCloskey*	2021-2023, OSU (Engineering Senior Honors Thesis)
Erin Duell	2023-present, OSU (Senior Honors Thesis research)
Jayde Spiegel	2023-present, OSU (Senior Honors Thesis research)

Professional Service:

Astro2020 Panel on Optical and Infrared Observations from the Ground, 2019 – 2021  
AAS Weber Prize Committee, 2019 – 2022  
OSU Faculty Senate Committee on Honorary Degrees, 2019 – 2022  
SDSS-V Management Committee, 2017 – 2024

Large Binocular Telescope Science Advisory Committee, OSU Representative 2001-2004, & 2007-present; Vice Chair 2016-2017, Chair 2017-2020, Vice Chair 2020-present.  
LBT Director Review, March 2016  
NSF Astronomy & Astrophysics Peer Reviewer, multiple years  
NSF Astronomy & Astrophysics Postdoctoral Fellowships Reviewer, 2012  
Chandra X-Ray Observatory AGN Panel Member, 2011  
Computation, Simulation, & Data Handling Study Group, Astro2010 Decadal Survey, 2010  
NRAO AGN TAC member 2005-2007  
Hubble Space Telescope TAC reviewer, Cycles 5, 8, & 12  
NASA ADP/LTSA Science Peer Reviewer: 1996, 2001  
NSF ATI Visiting Committee, February 1999  
EUVE Extragalactic Astronomy TAC Panel, December 1998  
NASA Astrophysics (Code S) Science Peer Reviewer, 1997 & 1998  
Regular peer reviewer for ApJ, AJ, PASP, A&A, MNRAS  
Grant proposal reviewer for CONICYT (Chile), US-Israel Binational Science Foundation

Major Instrumentation Projects: (date of deployment)

OSU Imaging Fabry-Perot Spectrometer (1.8m Perkins 1989)  
OSIRIS Near-IR Imager/Spectrometer (1.8m Perkins 1992; CTIO 4m 1999; SOAR 2004)  
Near-IR Imager/Spectrometer (Starfire Optical Range 1995; KPNO 1997; MDM 2000)  
ANDICAM Optical/Near-IR Dual Imager (CTIO Yale 1.0m 1998; CTIO 1.3m 2003)  
DANDICAM Optical/Near-IR Dual Imager (SAAO 1m 1999)  
Y4KCam Imager (CTIO Yale 1.0m 2004)  
MODS1 and MODS2 Multi-Object Double Spectrographs (LBT 2011 and 2014)  
SDSS-V Robotic Focal Plane Systems (Sloan 2.5m 2021, du Pont 2.5m 2022)

Grants Awarded:

"An Imaging Spectrograph for Long-Term Studies of Emission-Line Objects", NSF AST-9112879, 1992-1994, \$226,608 (Co-I, PI: Brad Peterson)  
"The Statistics of Circumnuclear Emission as a Test of Unified Seyfert Models", OSU Seed Grant, 1992-1994, \$16,924 (PI)  
"An Atlas of Galaxies in the Near Infrared: A Study of Structure and Stellar Content", NSF AST-9217716, 1993-1996, \$222,900 (Co-I, PI: Jay Frogel)  
"Using OSIRIS on the SOR: High Spatial Resolution Imaging in the Near-IR", NSF AST-9421923, 1995-1996, \$46,548 (Co-I, PI: Darren DePoy)  
"Star Formation and the Interstellar Medium in S0 Galaxies", NASA ADP, NAG5-2990, 1995-1997, \$47,900 (Co-I, PI: P. Eskridge)  
"The Interaction between Active Galactic Nuclei and their Host Galaxy Environment", HST AR-6380, 1996-1999, \$30,951 (PI)  
"High-Resolution Narrow-Band Imaging of LINERs, in Search of Their Central Engines", HST GO-6436, 1996-1999, \$31,993 (U.S. PI, Project PI: D. Maoz)  
"A Spectroscopic Upgrade for the MDM/Ohio State ALADDIN Infrared Camera (MOSAIC)", NSF AST-9605012, 1997-1999, \$56,909 (PI)  
"Quasar Candidates in the Hubble Deep Field" HST AR-7535, 1997-2000, \$33,099 (PI: P. Osmer, CoIs: Pogge & Weinberg)  
"NICMOS Imaging of the Dusty CfA Seyfert Galaxies" HST GO-7867, 1998-2001, \$76,900 (PI, CoI: Martini)  
"Searching for Extra-Solar-System Planets Using Gravitational Microlensing", NASA, 2001-2003, \$135,000 (CoI, PI: DePoy)

- "A High Throughput Multi-Object Double Spectrograph for the Large Binocular Telescope", NSF, 2000-2004, \$1,048,035 (CoI, PI: Osmer)
- "FUV Spectroscopy of Narrow Line Seyfert 1 Galaxies", NASA FUSE B062, 2001-2003, \$84,000 (CoI, PI: Mathur)
- "STIS Spectrophotometry of Nearby Seyfert 2 Nuclei: Can we eliminate the Seyfert 2 class?" HST GO-9143, 2001-2004, \$60,950 (PI)
- "Are All Narrow-Line Seyfert 1s Ultrasoft X-Ray Sources?" Chandra GO3-4145X, Dec 2002-Dec 2004, \$59,000 (PI)
- "Metallicity Determination in a Narrow-Line Seyfert 1 Galaxy Using Joint Chandra & HST Observations", Chandra 04700181/HST-GO-9687, 2002-2003, \$58,000, (PI: Mathur).
- "Far-UV Spectroscopy of the Narrow-Line Seyfert 1 Galaxy Mrk 1044", FUSE AO4, June 2003-June 2004, \$28,700 (CoI, PI: Mathur).
- "A Survey for Transiting Extra Solar System Planets in Stellar Systems", NASA Origins Program, Mar 2003 – Mar 2006, \$165,000 (CoI, PI: DePoy)
- "Are There Any True Seyfert 2 Nuclei?" Chandra 05700639, 11/2003–11/2004, \$42,000 (PI).
- "Microlensing Searches for Extrasolar Planets", NASA Origins Program, Apr 2004-2007, \$295,000 (CoI, PI: DePoy).
- "KELT Northern Sky Transit Survey", NASA Origins, 2004-2007, \$250K (PI: DePoy).
- "A Multi-Object Double Spectrograph for the Large Binocular Telescope", NSF/TSIP, 2004-2007, \$2.6M, (PI; original PI Osmer)
- "ACS/NICMOS Imaging of Bright Lyman Break Galaxy Candidates from SDSS", HST GO-10181, 2004–2005, \$33K (Admin PI, student PI: M. Bentz)
- "Host Galaxies of Reverberation-Mapped AGNs", HST GO-9851, GO-10516, and GO-10833, \$40K, \$35K (PI B. Peterson)
- "Probing the Central Engine of Active Galactic Nuclei", NSF AST-0604066, 2006-2008, \$361K, (PI B. Peterson).
- "OSMOS: The Ohio State Multi-Object Spectrograph", NSF AST-0705170, 2007-2010, \$421K (PI Martini)
- "Using Gravitational Microlensing to Detect Exoplanets", NASA Origins Program, Jan 2008-2012, \$400K (PI Gaudi, CoIs Gould & Pogge)
- "The Kitt Peak Ohio State Multi-Object Spectrograph (KOSMOS) Design Study", AURA/NSF 2009/10, \$240,654 (PI Martini, CoI Pogge).
- "The Black Hole Mass – Bulge Luminosity Relationship for the Nearest Reverberation-Mapped AGNs", Hubble Space Telescope GRT00013243, 2009-2011, \$18K (PI B. Peterson)
- "Probing the Central Engine of Active Galactic Nuclei", NSF AST-1008882, Sept 2010-Aug 2013, \$467K, (PI B. Peterson).
- "Collaborative Research: The True Chemical Abundances of Spiral Galaxies", NSF AST-1108693, July 2011-June 2015, \$418K (OSU PI Pogge, UMinn PI Skillman).
- "Discovering Exoplanets with Microlensing: Transition to the Next Generation", NASA Origins of Solar Systems, NNX12AB99G, 2012-2014, \$478,013, (PI A. Gould)
- "Mrk 590: A Disappearing AGN?" Hubble Space Telescope GO-13185, Oct 2013-Sept 2016, \$8973, (PI Peterson, CoIs Mathur & Pogge)
- "Mapping the AGN Broad Line Region by Reverberation", Hubble Space Telescope GO-13330, Feb 2014 - Jan 2017, \$335,864 (PI Peterson, CoI Pogge).
- "Mid-Scale Dark Energy Spectroscopic Instrument (DESI) Consortium", LBNL, 2014-2017, \$63K (PI Martini)

- “Cycle 3 general investigator research grant: SOFIA Project (SOF 03-0135”), USRA, 2014-2016, \$18k (PI Croxall, CoI Pogge)
- “The Montréal-Ohio-Victoria Échelle Spectrograph (MOVIES)”, Gemini Instrument Feasibility Study (GIFS) project, Feb 2015, \$100K (\$34K to OSU, PI Pogge)
- “Confirmation and characterization of stellar companion hosts of KELT transiting planets”, NASA JPL 1532883, 2015-2017, \$7K (PI Pogge)
- “A Cepheid Distance to NGC 4051”, HST GO-14697, 2017-2020, \$12K (PI Peterson)
- “Collaborative Research: Beyond O/H: Fundamental Astrophysics with HII Region Abundances”, NSF AST-1715284, July 2017-June 2020, \$410K (OSU PI Pogge)
- “SDSS-V Focal Plane System”, Astrophysical Research Consortium, \$1.36M (PI Pogge)
- “Collaborative Research: A Better Measurement of the Primordial Helium Abundance”, NSF AST-2205817, \$141k (OSU PI Pogge)
- “Characterizing and Commissioning of the iLocater Spectrograph”, NSF SubAward from Notre Dame University, \$235k (OSU PI Pogge)
- “Advancing precision exoplanet science using single-mode fiber-fed spectroscopy”, NASA APRA, \$1.6M (PI Crass)
- “Development of an ultra-high precision wavelength-calibration system for the Large Binocular Telescope”, NSF MRI-2 AST-2408424, \$2.7M (PI Crass)

Programming Languages:

- Expert Level: Fortran, C, C++, Perl, Python
- Basic Level: Java, SQL
- Legacy: Forth, BASIC
- Markup Languages: TeX, LaTeX, HTML, CSS, XML
- GitHub Repository: [github.com/rwpogge](https://github.com/rwpogge)