

Kelle Cruz

Hunter College
Physics and Astronomy
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Education	Ph.D. in Physics and Astronomy, University of Pennsylvania 2004 <i>The Luminosity Function of Low-Mass Stars and Brown Dwarfs</i> Advisor: Neill Reid, Space Telescope Science Institute
	B.A. in Physics, University of Pennsylvania 2000 Magna Cum Laude with Distinction in Physics
Science Interests	Scientific software education, open code and open data, equity and inclusion, science enabled by large wide-sky surveys, atmospheric properties of directly-imaged exoplanets and brown dwarfs, optical and near-infrared spectroscopy, stellar kinematics as an age indicator.
Research Positions	Hunter College and the Graduate Center of the City University of New York Associate Professor 2017–present Assistant Professor 2010–2017 American Museum of Natural History, Astrophysics Research Associate 2010–present Simons Foundation, Flatiron Institute Visiting Research Scholar 2017–present California Institute of Technology, Astronomy Spitzer Postdoctoral Fellow 2007–2009 American Museum of Natural History, Astrophysics NSF Astronomy and Astrophysics Postdoctoral Fellow 2004–2007
Leadership Roles	Director, Hunter College McNulty Scholars Program 2018–present Lead program supporting ~20 undergraduate women STEM majors. Sciware Initiative, Flatiron Institute 2018–present Coordinate and plan scientific computing education activities. NOIRLab Management Oversight Council 2021–2024 NOIRLab Strategic Advisory Committee 2020–present Member of committees to advise the NSF’s center for ground-based, nighttime optical and infrared astronomy. Astropy Project Coordination Committee 2016–present Leadership role in community development and maintenance of core software suite for Astronomy in the Python programming language.

Leadership Roles (cont.)	Decadal Survey on Astronomy and Astrophysics 2020	2019–2020
	Member of the panel on <i>Enabling a Foundation for Research</i> .	
	Founder, Editor-in-Chief, Blogger, AstroBetter.com	2009–present
	Blog and Wiki for information sharing among professional	
	American Astronomical Society	
	Board Member	2017–2020
	Chair, Employment Committee	2010–2017
	The National Academies of Sciences, Engineering, and Medicine	
	Committee on Best Practices for a Future Open CodePolicy for NASA Space Studies	2018
	NSF Committee of Visitors for Division of Astronomical Sciences	2014
Ground Based Optical/Infrared System Roadmap Committee	2011–2012	
Discussion about the status and interoperability of the US optical/infrared system of telescopes and instruments		
Awards	Royal Astronomical Society Group Award - The Astropy Project	2020
	Outstanding Undergraduate Mentor, Hunter College	2012
Research Advisor	Graduate Student Advisees	
	1. Emily Calamari	2020–present
	2. Rocio Kiman (→ Postdoc, KITP and Caltech)	2017–2021
	3. Eileen Gonzales (→ 51 Peg b Fellow, Cornell)	2015–2020
	4. Keiko (Kay) Hiranaka	2010–2015
	Selected Undergraduate Advisees	
	1. Elena Mitra, Hunter (→ PhD Student, Princeton Physics)	2019–2021
	2. Victoria DiTomasso, Hunter (Fulbright Scholar → NSF Grad Fellow, Harvard Astro)	2015–2018
	3. Ellianna Schwab, City College (Goldwater Fellow) (→ NSF Grad Fellow, Berkeley)	2015–2017
	4. Cam Buzard, Barnard (→ PhD Student, Caltech Chemistry)	2014–2016
5. Munazza Alam, Hunter (→ NSF Grad Fellow, Harvard Astro)	2012–2016	
6. Sara Camnasio, Hunter (→ MS 2018, NYU Engineering)	2012–2016	
7. Alejandro Núñez, Hunter (→ PhD 2018, Columbia Astro)	2010–2012	
8. Vivienne Baldassare, Hunter (→ NSF Grad Fellow, PhD 2017, Michigan Astro → Einstein Fellow, Yale → Faculty, Wash State U.)	2010–2012	
9. Sarah Schmidt, Barnard (→ PhD 2012, U. Wash. Astro → Prize Fellow Postdoc, Ohio State U. → Karl Schwarzschild Fellow, AIP Potsdam)	2005–2006	