

Andrea M. Ghez

Education:	Ph.D., Physics, California Institute of Technology	1992
	B.S., Physics, Massachusetts Institute of Technology	1987
Professional Appointments:	University of California Los Angeles	
	Lauren Leichtman & Arthur Levine Chair in Astrophysics	2009 - present
	Full Professor of Physics & Astronomy	2000 - present
	Associate Professor of Physics & Astronomy	1997 - 2000
	Assistant Professor of Physics & Astronomy	1994 - 1997
University of Arizona, Steward Observatory	Hubble Postdoctoral Research Fellow	1992 - 1993
Major Awards and Honors:	Crafoord Prize, Royal Swedish Academy of Sciences	2012
	California Institute of Technology Distinguished Alumni Award	2012
	American Philosophical Society, elected	2012
	MacArthur Fellowship	2008
	Aaronson Award, University of Arizona	2006
	National Academy of Sciences, elected	2004
	American Academy of Arts & Sciences, elected	2004
	Sackler Prize, University of Tel Aviv	2004
	Newton Lacy Pierce Prize, American Astronomical Society	1998
Packard Fellowship	1996	
Recent Invited Talks	National Science Foundation, Distinguished Lecturer	2014
	Henry Primakoff Lectureship, University of Pennsylvania	2014
	Mark Gurevitch Lectureship, Portland State University	2014
	McPherson Lectureship, McGill University	2013
	Brinson Lectureship, University of Chicago	2013
	John Bahcall Lectureship, Space Telescope Science Institute	2013
	Icko Iben, Jr. Distinguished Lecturer, University of Illinois	2012
	Bishop Lecturer, Columbia University	2012
	Bunyan Lecturer, Stanford	2012
Current Service Activities:	W. M. Keck Observatory (WMKO) Science Steering Comm.	2010 - present
	WMKO Adaptive Optics Advisory Group (co-chair)	2012 - present
	WMKO Director Search Comm.	2014
	Thirty Meter Telescope Fundraising Project Comm.	2014
	National Academies of Sciences (NAS) Kavli Frontiers Review	2014
	NAS The Next Generation Nominating Comm. (chair)	2014
	UCLA Faculty Research Lecture Selection Comm. (chair)	2014
UCLA Early Care & Education Director Search	2014	

Mentoring (current* & past: 63 total, 36 women, 7 racial minorities):

Postdocs - Gunther Witzel*, Sylvana Yelda, Will Clarkson, Marshall Perrin, Nate McCrady, Leo Meyer, J rge-Uwe Pott, Elise Furlan, Andrea Stolte, Samir Salim, Gaspard Duch ne, Lisa Prato

Graduate Students (PhD) - Breann Sitarski*, Sylvana Yela, Tuan Do, Quinn Konopacky, Jessica Lu, Seth Hornstein, Caer McCabe, Angelle Tanner, Jennifer Patience, Russel White; (MS) - Sam Chappell*, Anna Boehle, Kim Phifer, Marc Rafelski, Shelley Wright, Suvi Gezari, Mike Berkovitch, Beth Klein

Undergraduate & High School Students - Sandra Albers*, Isabel Lipartito*, & 33 former

Selected Publications (128 refereed papers since 1991 with >8000 citations):

Ghez, A.M., Neugebauer, G., & Matthews, K. 1993, "The Multiplicity of T Tauri Stars in the Taurus-Auriga & Ophiuchus-Scorpius Star Forming Regions: A 2.2 μm Imaging Survey," *AJ*, 106, 2005

Ghez, A.M., Klein, B.L., Morris, M., & Becklin, E.E. 1998, "High Proper Motion Stars in the Vicinity of Sgr A*: Evidence for a Supermassive Black Hole at the Center of Our Galaxy," *ApJ*, 509, 678

Ghez, A. M., Morris, M., Becklin, E. E., Kremenek, T., & Tanner, A. 2000, "The Accelerations of Stars Orbiting the Milky Way's Central Black Hole," *Nature*, 407, 349

Ghez, A. M., Duch ne, G., Matthews, K., et al. 2003 "The First Measurement of Spectral Lines in a Short-Period Star Bound to the Galaxy's Central Black Hole: A Paradox of Youth," *ApJ*, 586, L127

Ghez, A. M., Wright, S. A, Matthews, K., et al. 2004, "Variable Infrared Emission from the Supermassive Black Hole at the Center of the Milky Way," *ApJ*, 601, L159

Ghez, A. M., Salim, S., Hornstein, S. D., Tanner, A., Morris, M., Becklin, E. E., Duch ne, G. 2005, "Stellar Orbits Around the Galactic Center Black Hole," *ApJ*, 620, 744

Ghez, A. M., Salim, S., Weinberg, N. N., et al. 2008, "Measuring Distance and Properties of the Milky Way's Central Supermassive Black Hole with Stellar Orbits," *ApJ*, 689, 1044

Selected Public Outreach Activities:

Public Talks (>100 given since 1996): TED Global Talk (Oxford 2009 & online), Griffith Observatory (Los Angeles, 2011), Smithsonian Air & Space Museum (DC, 2013), Keck Observatory 20th Anniversary (Hawaii, 2013), Adler Planetarium (Chicago, 2014)

Documentary & Radio Interviews (>30 given since 2004): NOVA "Monster of the Milky Way" (2006), Australian Broadcasting Corp The Science Show (2006), History Channel "The Universe" (2007), PBS TV "Here.Now.UCLA" (2008), Discovery "How the Universe Works" (2010), National Geographic "Inside the Milky Way" (2010), NHK Japan TV "Super Massive Black Holes" (2012), BBC Horizon "Swallowed by a Black Hole" (2013), NPR Morning Edition & All Things Considered (2013)

Museum Exhibit Materials (included in >10 shows): National Academy Science Keck Building Lobby, Adler Planetarium, Denver Museum, Smithsonian Astrophysical Observatory traveling museum exhibition about black holes

Textbook Materials (included in >25 educational books)