

# Andrea M. Ghez

<b>Education:</b>	Ph.D., Physics, California Institute of Technology	1992
	B.S., Physics, Massachusetts Institute of Technology	1987
<b>Professional Experience:</b>	<b>Full Professor of Physics &amp; Astronomy</b>	Jul 2000 - present
	<b>Associate Professor of Physics &amp; Astronomy</b>	Jul 1997 - Jun 2000
	<b>Assistant Professor of Physics &amp; Astronomy</b>	Jan 1994 - Jun 1997
	University of California Los Angeles	
	<b>Hubble Postdoctoral Research Fellow</b>	Oct 1992 - Dec 1993
	University of Arizona, Steward Observatory	
<b>Selected Awards and Honors:</b>	MacArthur Fellowship	2008
	Aaronson Award	2006
	National Academy of Sciences, elected	2004
	American Academy of Arts & Sciences, elected	2004
	Sackler Prize	2004
	Maria Goeppert-Mayer Award, American Physical Society	1999
	Newton Lacy Pierce Prize, American American Society	1998
	UCLA Physics Department Teaching Award	1997,1998,2005
	Packard Fellowship	1996

## Selected Publications:

- Ghez, A.M., Neugebauer, G., Gorham, P., Haniff, C., Kulkarni, S., Matthews, K., Koresko, C., & Beckwith, S. 1991, "Diffraction Limited Infrared Images of the Binary Star T Tauri," *AJ*, 102, 2066
- 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  $\mu m$  Imaging Survey," *AJ*, 106, 2005
- Ghez, A. M., McCarthy, D. W., Patience, J.L., and Beck, T.L. 1997, "The Multiplicity of T Tauri Stars in Southern Star Forming Regions," *ApJ*, 481, 378
- 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., and Tanner, A. 2000, "The Accelerations of Stars Orbiting the Milky Way's Central Black Hole," *Nature*, 407, 349
- Ghez, A. M., Duchêne, 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. 2003, "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., Duchêne,

- G. 2005, "Stellar Orbits Around the Galactic Center Black Hole," ApJ, 620, 744
- Ghez, A. M., Hornstein, S. D., Lu, J. R., et al. 2005, "The First Laser Guide Star Adaptive Optics Observations of the Galactic Center: Sgr A\*'s Infrared Color and the Extended Red Emission in its Vicinity," ApJ, 635, 1087
- 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 Synergistic & Service Activities:**

- Supervised research projects for 5 postdocs, 9 PhD graduate students, 5 MS graduate students, 18 undergraduates and 3 high school students (with strong representation of under-represented groups; 23 women, 2 Hispanic, & 1 African-American; 1994-present)
- Disseminated research to Astronomical community (88 refereed papers and 151 talks; 1991-present)
- Contributed to science education for the general public (gave 65 general public talks, participated in 11 documentaries, and contributed figures for 11 textbooks; 1996-present)
- Member of several UCLA committees on day care (as a key issue for retaining women scientist; 2006-present)
- Member of several hiring committees (Executive Vice Chancellor, Dean of Physical Sciences, UCO Director, 4 Faculty (chair 3 of these); 2000-2008)
- Member of several National Research Council Committees responsible for setting priorities for Astronomical Community (O/IR Panel of 2000 Decadal Survey, Committee on Astronomy & Astrophysics, Board on Physics & Astronomy; 1999-present)