

Curriculum Vitae

JAMES STEVEN BULLOCK

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Education:

1994 B.S., Physics and Mathematics, The Ohio State University
summa cum laude, Phi Beta Kappa, with honors in the Liberal Arts, with distinction in Physics
1995 M.S., Physics, University of California, Santa Cruz
1999 Ph.D., Physics, University of California, Santa Cruz

Current Positions:

Dean, [School of Physical Sciences](#), University of California, Irvine 2019 - present
Professor, Department of Physics & Astronomy, University of California, Irvine 2010 - present

Past Appointments:

Chair, Department of Physics & Astronomy, University of California, Irvine 2017 - 2019
Director, [Center for Cosmology](#), University of California, Irvine 2005 - 2017
Director, [Southern California Center for Galaxy Evolution](#) 2010 - 2015
Associate Professor, Physics & Astronomy, University of California, Irvine 2008 - 2010
Assistant Professor, Physics & Astronomy, University of California, Irvine 2004 - 2008
Hubble Postdoctoral Fellow, Harvard Observatory (Mentor: Lars Hernquist) 2002 - 2004
Postdoctoral Fellow, Ohio State Astronomy & Physics (Mentor: David Weinberg) 1999 - 2002

Publication Statistics (as of October 2023)

Refereed publications: 217 ([List on Google Scholar](#))
Citations: 49,092
H-index: 104

Selected Honors and Awards:

Fellow, American Physical Society (2023)
[Highly Cited Researcher in Space Science](#), Web of Science (2019, 2020, 2021, 2022)
UC Irvine Celebration of Teaching Award for Teaching Excellence (2017)
Chancellor's Fellow, UC Irvine (2012-2015)
Visiting Miller Professorship, UC Berkeley (2012)
UC Irvine Celebration of Teaching Award for Technology Innovation (2011)
Fellow, American Association for the Advancement of Science (2008)

Selected Professional Activities

Member, Space Telescope Institute Council, 2022-
Member, Learning the Earth with AI and Physics NSF-STC Director's Council, 2021-
Chair, UC Irvine CalTeach Executive Committee, 2019-
Vice-chair, Cal-Bridge UC/CSU Bridge Program Strategic Planning Group, 2019-
Chair, James Webb Space Telescope User's Committee, 2017-2022
Chair, UC Keck Observatory Time Allocation Committee, 2015-2017
Member, University of California Observatories Board, 2012-2015
Chair, Hubble Space Telescope Frontier Fields Initiative, 2012

Selected Publications:

[Reionization and the Abundance of Galactic Satellites](#), J.S. Bullock, A. V. Kravtsov, and D.H. Weinberg, 2000, *The Astrophysical Journal*, 539, 517

[Profiles of dark haloes: evolution, scatter and environment](#), J.S. Bullock, T. S. Kolatt, et al., 2001, *Monthly Notices of the Royal Astronomical Society*, 539, 517

[Tracing Galaxy Formation with Stellar Halos. I. Methods](#), J.S. Bullock and K. V. Johnston, 2005, *The Astrophysical Journal*, 635, 931

[Accurate masses for dispersion-supported galaxies](#), Wolf, J., Martinez, G. D., Bullock, J. S., Kaplinghat, M., et al. 2010, *Monthly Notices of the Royal Astronomical Society*, 406, 1220

[Too Big to Fail? The Puzzling Darkness of Massive Milky Way subhaloes](#), Boylan-Kolchin, M., Bullock, J. S., & Kaplinghat, M. 2011, *Monthly Notices of the Royal Astronomical Society*, 415, L40

[The Sagittarius Impact as an Architect of Spirality and Outer Rings in the Milky Way](#), Purcell, C. W., Bullock, J. S., Tollerud, E. J., Rocha, M., & Chakrabarti, S. 2011, *Nature*, 477, 301

[Cosmological simulations with self-interacting dark matter](#), Rocha, M., Peter, A., Bullock, J. S., Kaplinghat, M. et al. 2013, *Monthly Notices of the Royal Astronomical Society*, 430, 81

[ELIVS: Exploring the Local Volume in Simulations](#), Garrison-Kimmel, S., Boylan-Kolchin, M., Bullock, J. S., and Lee, K. 2014, *Monthly Notices of the Royal Astronomical Society*, 438, 2578

[Forged in FIRE: cusps, cores and baryons in low-mass dwarf galaxies](#), Oñorbe, J., Boylan-Kolchin, M., Bullock, J. S. et al. 2015 *Monthly Notices of the Royal Astronomical Society*, 454, 2, 2092

[Small-Scale Challenges to the LCDM Paradigm](#), Bullock, J. S. and Boylan-Kolchin, M. 2017, *Annual Review of Astronomy and Astrophysics*, 55, 1, 343

[The bursty origin of the Milky Way thick disc](#) Yu S., Bullock J. S., Klein C., Stern J., et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 505, 1, 889

[Hot-mode accretion and the physics of thin-disc galaxy formation](#) Hafen, Z., Stern, J., Bullock, J., et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 514, 5056