

Curriculum Vitae

MICHAEL BOYLAN-KOLCHIN

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ACADEMIC POSITIONS

The University of Texas at Austin, Department of Astronomy
Samuel T. and Fern Yanagisawa Regents Professor (2024 –)
Professor (2023 –)
Associate Professor (2019 – 2023)
Assistant Professor (2015 – 2019)

University of Maryland, Department of Astronomy
Assistant Professor (2013 – 2015)

University of California, Irvine, Department of Physics and Astronomy
Southern California Center for Galaxy Evolution Fellow (2010 – 2013). **Advisor:** James S. Bullock

Max-Planck-Institut für Astrophysik (Garching, Germany)
Postdoctoral Fellow (2007 – 2010). **Advisor:** Simon D. M. White

EDUCATION

Ph.D. in Physics, *University of California, Berkeley*: December 2006. **Advisor:** Chung-Pei Ma
B.A. in Astrophysics, *magna cum laude* (concentration in Mathematics), *Columbia University*: May 2001

PROFESSIONAL ACTIVITIES AND RECOGNITION

- **Member**, 2020 Decadal Survey on Astronomy & Astrophysics (Astro2020) Panel on Galaxies, NAS
- **National Science Foundation CAREER (Faculty Early Career Development) Award** (2018)
- [Web of Science](#) / [Publons](#) **Highly Cited Researcher** (2021)

SELECTED PUBLICATIONS (total: 20,978 citations, h -index=73 via [NASA Astrophysics Data System](#) on 2025.02.18)

Accelerated by Dark Matter: a High-redshift Pathway to Efficient Galaxy-scale Star Formation

M. Boylan-Kolchin (2024), submitted to MNRAS; [arXiv:2407.10900](#) (8 citations)

Stress Testing Λ CDM with High-redshift Galaxy Candidates

M. Boylan-Kolchin (2023), [Nature Astronomy](#), **7**, 731 (270 citations)

Uncertain Times: The Redshift–Time Relation from Cosmology and Stars

M. Boylan-Kolchin, D. Weisz (2021), [MNRAS](#), **505**, 2764 (38 citations)

FIRE in the Field: Simulating the Threshold of Galaxy Formation

A. Fitts, **M. Boylan-Kolchin**, et al. (2017), [MNRAS](#), **471**, 3547 (219 citations)

Small-Scale Challenges to the Λ CDM Model

J. Bullock & **M. Boylan-Kolchin** (2017), [Ann. Rev. Astron. Astrophys.](#), **55**, 343 (1223 citations)

Too Big to Fail? The Puzzling Darkness of Massive Milky Way Subhalos

M. Boylan-Kolchin, J. Bullock, M. Kaplinghat (2011), [MNRAS](#), **415**, L40 (1240 citations)

Resolving Cosmic Structure Formation with the Millennium-II Simulation

M. Boylan-Kolchin, V. Springel, S. White, A. Jenkins, G. Lemson (2009), [MNRAS](#), **398**, 1150 (821 citations)