

## 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

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#### 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

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#### PROFESSIONAL ACTIVITIES AND RECOGNITION

- **Clarivate Highly Cited Researcher** (2021, 2025)
- **Member**, 2020 Decadal Survey on Astronomy & Astrophysics (Astro2020) Panel on Galaxies, NAS
- **National Science Foundation CAREER (Faculty Early Career Development) Award** (2018)

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**SELECTED PUBLICATIONS** (total: 24,634 citations,  $h$ -index=82 via [NASA Astrophysics Data System](#) on 2026.07.03)

*Bloodhound Unleashed: Particle-based Substructure Tracking for Cosmological Simulations*

H. Kong, **M. Boylan-Kolchin**, J. Bullock (2026), *MNRAS*, **547**, 1 (10 citations)

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

**M. Boylan-Kolchin** *MNRAS*, **538**, 3210 (41 citations)

*Stress Testing  $\Lambda$ CDM with High-redshift Galaxy Candidates*

**M. Boylan-Kolchin** (2023), *Nature Astronomy*, **7**, 731 (405 citations)

*FIRE in the Field: Simulating the Threshold of Galaxy Formation*

A. Fitts, **M. Boylan-Kolchin**, et al. (2017), *MNRAS*, **471**, 3547 (267 citations)

*Small-Scale Challenges to the  $\Lambda$ CDM Model*

J. Bullock & **M. Boylan-Kolchin** (2017), *Ann. Rev. Astron. Astrophys.*, **55**, 343 (1558 citations)

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

**M. Boylan-Kolchin**, J. Bullock, M. Kaplinghat (2011), *MNRAS*, **415**, L40 (1321 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 (875 citations)