

Bryan Alejandro Terrazas

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Employment

Harvard Future Faculty Leaders Fellow Institute for Theory and Computation Center for Astrophysics Harvard & Smithsonian <i>Cambridge, MA, USA</i>	September 2019 - present
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Education

University of Michigan , Rackham Graduate School <i>Ann Arbor, MI, USA</i> <i>Advisor:</i> Eric F. Bell PhD in Astronomy & Astrophysics	July 2015 - August 2019
University of Michigan , Rackham Graduate School <i>Ann Arbor, MI, USA</i> <i>Advisor:</i> Eric F. Bell MS in Astronomy & Astrophysics	September 2013 - July 2015
Columbia University , Columbia College <i>New York, NY, USA</i> <i>Advisor:</i> Greg Bryan BA in Astrophysics	September 2009 - May 2013

Awards, grants, and recognition

National Science Foundation Graduate Research Fellow	2014 - 2019
Rackham Merit Fellow, Rackham Science Award	2015 - 2019
California Alliance Research Exchange Program Grant	2019
AAS Rodger Doxsey Travel Prize Winner	2019
Rackham Conference Travel Grant	2015, 2017, 2018
Rackham Graduate Student Research Grant	2015
Alliances for Graduate Education and the Professoriate (AGEP) Travel Grant	2015
XSEDE Scholar	2014
National Science Foundation REU program research grant (SAO)	2012
John Jay National Scholar	2009 - 2013

Publications

- ◇ **Terrazas, B. A.**, Bell, E. F., Pillepich, A., Nelson, D., Somerville, R. S., Genel, S., Weinberger, R., Habouzit, M., Li, Y., Hernquist, L., Vogelsberger, M. (submitted to MNRAS), “The relationship between black hole mass and galaxy properties: Examining the black hole feedback model in IllustrisTNG”
- ◇ **Terrazas, B. A.**, Bell, E. F., Woo, J., & Henriques, B. M. B. 2017, ApJ, 844, 170, “Supermassive black holes as the regulators of star formation in central galaxies”
- ◇ **Terrazas, B. A.**, Bell, E. F., Henriques, B. M. B., White, S. D. M., Cattaneo, A., & Woo, J. 2016, ApJL, 830, L12, “Quiescence correlates strongly with directly-measured black hole mass in central galaxies”
- ◇ **Terrazas, B. A.**, Bell, E. F., Henriques, B. M. B., & White, S. D. M. 2016, MNRAS, 370, 645, “The diversity of growth histories of Milky Way-mass galaxies”
- ◇ Henriques, B. M. B., White, S. D. M., Lilly, S. J., Bell, E. F., Bluck, A. F. L, & **Terrazas, B. A.** 2018, ArXiv e-prints, arXiv:1809.01154, “The origin of the mass scales for maximal star formation efficiency and quenching: the critical role of supernovae”
- ◇ Visbal E., Haiman Z., **Terrazas, B. A.**, Bryan G. L., & Barkana R., 2014, MNRAS, 445, 107, “High-Redshift Star Formation in a Time-Dependent Lyman-Werner Background”

Conference and seminar talks

University of Pittsburgh Lunch Seminar (*invited) (Pittsburgh, PA, USA)	December 2019
The Art of Measuring Galaxy Properties Conference (Milan, Italy)	November 2019
Wesleyan Astronomy Colloquium (*invited) (Middletown, CT, USA)	November 2019
353rd IAU Symposium on Galactic Dynamics (*invited) (Shanghai, China)	July 2019
Feedback and its Role in Galaxy Formation Conference (Spetses, Greece)	June 2019
TAC Seminar at the University of California, Berkeley (Berkeley, CA, USA)	March 2019
KIPAC Tea Talk at Stanford University (Palo Alto, CA, USA)	March 2019
233rd Meeting of the AAS Dissertation Talk (Seattle, WA, USA)	January 2019
Harvard ITC Luncheon (Cambridge, MA, USA)	November 2018
IllustrisTNG Project Workshop (Garching, Germany)	October 2018
Flatiron Institute, CCA Galaxy Group Seminar (New York, NY, USA)	October 2018
Are AGN Special? Conference (Durham, England)	July 2018
Santa Cruz Galaxy Workshop (Santa Cruz, CA, USA)	August 2017
Columbia University Lunch Seminar (New York, NY, USA)	October 2016
Kavli Institute for the Physics and Mathematics of the Universe (Tokyo, Japan)	June 2016

L-Galaxies Semi-Analytic Modeling Workshop (Garching, Germany)	February 2016
The Many Pathways to Galaxy Growth Conference (Prato, Italy)	June 2015

Conference poster presentations

The Physics of Galaxy Scaling Relations Conference (Kingston, Ontario, Canada)	July 2018
Massive Black Holes in Evolving Galaxies Conference (Paris, France)	June 2018
Challenges in Galaxy Evolution Conference (Florence, Italy)	August 2017
Galaxy Evolution Across Time Conference (Paris, France)	June 2017
Galaxy Pathways Conference (Catalina Island, CA, USA)	August 2016
XSEDE Conference (Atlanta, GA, USA)	July 2014
221st Meeting of the AAS (Long Beach, CA, USA)	January 2013

Teaching and service

Referee for the Astrophysical Journal	
Referee for the Monthly Notices of the Royal Astronomical Society	
Panelist for Adler After Dark “Out in Space” event	June 2019
Graduates out in STEM (GoSTEM) Board Member	2016 - 2019
UM Dept of Astronomy Diversity, Equity, and Inclusion Committee Member	2015 - 2016
Graduate Student Instructor, University of Michigan, ASTR 102	Summer 2017
Graduate Student Instructor, University of Michigan, ASTR 102	Summer 2016
Graduate Student Instructor, University of Michigan, ASTR 201	Winter 2016
Graduate Student Instructor, University of Michigan, ASTR 142	Winter 2014
University of Chicago KICP Education and Outreach Summer School	June 2014
Columbia Astronomy Public Outreach Program	2011 - 2013