# Benjamin D. Johnson

## Personal Data


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## Academic Positions

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| Aug 2022-*Current* | Research Scientist at Harvard University, USA<br>*Harvard-Smithsonian Center for Astrophysics* |
| Sep 2014-Aug 2022 | Research Associate at Harvard University, USA<br>*Harvard-Smithsonian Center for Astrophysics* |
| Jan 2014-Sep 2014 | Assistant Project Scientist at UC Santa Cruz, USA<br>*Dept. of Astronomy & Astrophysics* |
| Sep 2010-Oct 2013 | Postdoctoral Researcher at the Centre National de la Recherche Scientifique (CNRS), France<br>*Institut d'Astrophysique de Paris* |
| Sep 2007-Sep 2010 | Postdoctoral Fellow at Cambridge University, UK<br>*Institute of Astronomy* |

## Education

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| February 2008 | Ph.D. Astronomy, **Columbia University**, New York<br>Thesis: "Extraordinary Views of Ordinary Galaxies" |
| 2005 | M.Phil Astronomy, **Columbia University**, New York |
| 2004 | M.A Astronomy, **Columbia University**, New York |
| May 2001 | B.S. Astrophysics, **University of California**, Los Angeles<br>*Highest Departmental Honors* |

## Technical Skills

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| Basic Computer Knowledge: | C++/CUDA, sql, html, css, FORTRAN, MPI, Octave/matlab |
| Advanced Computer Knowledge: | Python, IDL, git, LaTeX, *nix |

## Additional

Co-author of more than 150 refereed publications. Experience teaching astronomy, the scientific method, and problem solving to undergraduates and high school students in a variety of settings, including the American Museum of Natural History and Cambridge Part III Astrophysics. Speak and write basic French and conversational Spanish.

## Selected Publications

1. **Johnson, B. D.**, Leja, J., Conroy, C., & Speagle, J. S. (2021) ApJS, 254:22
   *Stellar Population Inference with Prospector*
2. Carniani, S., Hainline, K., D'Eugenio, F., Eisenstein, D. J., Jakobsen, P., Witstok, J., **Johnson, B. D.**, et al. (2024) Nature, 633:318
   *Spectroscopic confirmation of two luminous galaxies at a redshift of 14*
3. Robertson, B., **Johnson, B. D.**, Tacchella, S., Eisenstein, D. J., et al. (2024) ApJ, 970:31
   *Earliest Galaxies in the JADES Origins Field: Luminosity Function and Cosmic Star Formation Rate Density 300 Myr after the Big Bang*

4. Robertson, B. E., Tacchella, S., **Johnson, B. D.**, Hainline, K., Whitler, L., et al. (2023) NatAs, 7:611 *Identification and properties of intense star-forming galaxies at redshifts $z > 10$*

5. Hainline, K. N., **Johnson, B. D.**, Robertson, B., Tacchella, S., et al. (2024) ApJ, 964:71 *The Cosmos in Its Infancy: JADES Galaxy Candidates at $z > 8$ in GOODS-S and GOODS-N*

6. Eisenstein, D. J., **Johnson, B. D.**, Robertson, B., Tacchella, S., et al. (2023) arXiv,:arXiv:2310.12340 *The JADES Origins Field: A New JWST Deep Field in the JADES Second NIRCam Data Release*

7. Leja, J., **Johnson, B. D.**, Conroy, C., van Dokkum, P., Speagle, J. S., et al. (2019) ApJ, 877:140 *An Older, More Quiescent Universe from Panchromatic SED Fitting of the 3D-HST Survey*

8. Weisz, D. R., **Johnson, B. D.**, et al. (2012), ApJ, 744:44
*Modeling the Effects of Star Formation Histories on $H\alpha$ and Ultraviolet Fluxes in Nearby Dwarf Galaxies*

9. Leja, J., Carnall, A. C., **Johnson, B. D.**, Conroy, C., Speagle, J. S. (2019) ApJ, 876:3
*How to Measure Galaxy Star Formation Histories. II. Nonparametric Models*

10. **Johnson, B. D.**, Conroy, C., Naidu, R. P., et al. (2020) ApJ, 900:103
*A Diffuse Metal-poor Component of the Sagittarius Stream Revealed by the H3 Survey*

11. **Johnson, B. D.**, et al. (2007), ApJS, 173:377
*Ultraviolet, Optical, and Infrared Constraints on Models of Stellar Populations and Dust Attenuation*

12. **Johnson, B. D.** et al., (2013), ApJ, 772:8
*Measuring Galaxy Star Formation Rates From Integrated Photometry: Insights From Color-Magnitude Diagrams of Resolved Stars*

13. **Johnson, B. D.**, & Crotts, A. P. S. (2006), AJ, 132:756-768
*Photometric Identification of Type Ia Supernovae at Moderate Redshift*

14. **Johnson, B. D.**, et al. (2007), ApJS, 173:392
*Ultraviolet through Infrared Spectral Energy Distributions from 1000 SDSS Galaxies: Dust Attenuation*