

**Andrew Emerick**  
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**a. Professional Preparation**

University of Minnesota	Physics	B.S.,	2013
University of Minnesota	Astrophysics	B.S.,	2013
Columbia University	Astronomy	M.A.,	2015
Columbia University	Astronomy	M.Phil,	2016
Columbia University	Astronomy	Ph.D.,	2019 (expected)

**b. Appointments**

2014 – Pres. NSF Graduate Research Fellow, Dept. of Astronomy, Columbia University  
2013 – 2014 Graduate Research Assistant, Dept. of Astronomy, Columbia University  
2009 – 2013 Undergraduate Research Assistant, Dept. of Astronomy, University of Minnesota

**c. Publications**

1. Smith, B., et. al. “Grackle: a Chemistry and Cooling Library for Astrophysics”, 2017, in press, MNRAS, astro-ph:1610.09591
2. **Emerick, A.**, M-M. Mac Low, J. Grcevich, A. Gatto, “Gas Loss by Ram Pressure Stripping and Internal Feedback From Low Mass Milky Way Satellites”, 2016, ApJ, 826:2
3. **Emerick, A.**, G. Bryan, M. E. Putman, “Warm Gas in and Around Simulated Galaxy Clusters Probed by Absorption Lines”, 2015 MNRAS 453
4. **Emerick, A.** X. Zhao, R. Rapp, “Bottomonia in the Quark-Gluon Plasma and their Production at RHIC and LHC”, Eur. Phys. J. A (2012) 47:72
5. S. Brown, **A. Emerick**, L. Rudnick, G. Brunetti, “Probing the Off-State of Cluster Radio Halos”, 2011, ApJ 740 L28

**d. Synergistic Activities**

- Regularly volunteer for bi-weekly public outreach talks and rooftop star gazing at Columbia University
- Volunteer giving talks on Astronomy and acting as science fair judge to local inner-city middle school in Harlem, NYC.
- Regular writer/contributor to Astrobites from 2013-2015, which publishes daily paper summaries geared towards undergraduate physics / astronomy majors. Readership includes undergraduates and graduates, as well as members of the general public and more advanced researchers across a variety of disciplines.

**e. Collaborators & Other Affiliations**

- G. Bryan, K. Johnston, M. Putman: Dept. of Astronomy, Columbia University
- B. Côté, B. O’Shea: Dept. of Astronomy, Michigan State University
- A. Gatto: Max-Planck-Institut für Astrophysik, Garching, Germany

- S. Glover, E. Pelligrini: Zentrum Für Astronomie, ITA, University of Heidelberg, Germany
- J. Grcevich, M-M. Mac Low: American Museum of Natural History
- B. Smith: Institute of Astronomy, University of Edinburg, Scotland.

**(ii) Graduate and Postdoctoral Advisors**

- Greg Bryan  
Dept. of Astronomy, Columbia University  
Center for Computational Astrophysics, Flatiron Institute
- Mordecai-Mark Mac Low  
Dept. of Astrophysics, American Museum of Natural History