

**Curriculum Vitae (2-page limit)****Drummond Fielding****Astronomy Department, University of California, Berkeley, dfielding@berkeley.edu****Professional Preparation**

PhD, Astronomy, University of California, Berkeley, 2018

MS, Astronomy, University of California, Berkeley, 2014

BA, Physics &amp; Mathematics, Johns Hopkins University, 2012

**Appointments**

Flatiron Fellow, Flatiron Institute, Center for Computational Astrophysics starting Oct 2018

Graduate Student Researcher, University of California, Berkeley 2017–2018

Berkeley Fellow, University of California, Berkeley 2015–2017

NSF Graduate Research Fellow, University of California, Berkeley 2012–2015

**Five Publications Most Relevant to This Proposal**

1. "The impact of star formation feedback on the circumgalactic medium", Fielding, D., et al. *MNRAS*, **466**, 3810 (2017)
2. "How supernovae launch galactic winds", Fielding, D., et al. *MNRAS*, **470**, L39 (2017)
3. "Numerical Simulations of Powerful Galactic Winds Driven by Clustered Supernovae", Fielding, D. & Quataert, E. *MNRAS*, *in press*, (2018)
4. "Supernova feedback in a local vertically stratified medium: interstellar turbulence and galactic winds", Martizzi, D., Fielding, D., et al. *MNRAS*, **459**, 2311 (2016)
5. "Simulations of Jet Heating in Galaxy Clusters: Successes and Numerical Challenges", Martizzi, D., Quataert, E., Faucher-Giguere, C.A., Fielding, D. *MNRAS*, *in press*, (2018)

**Research Interests and Expertise** CoI Fielding's research interests are focused on understanding the interplay of galactic winds and the small scale structure of the circumgalactic medium and how it serves to regulate galaxy formation.

**Synergistic Activities**

1. Referee for ApJ and MNRAS.

**Collaborators (past 5 years including name and current institution)**

Quataert, E., University of California, Berkeley

Faucher-Giguere, Claude-Andre, Northwestern University

Martizzi, D., University of California, Santa Cruz

Thompson, T. A., The Ohio State University

McCourt, M., University of California, Santa Barbara

Oh, P., University of California, Santa Barbara