

# Sierra L. Grant

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## Education

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<b>Boston University</b> <i>PhD</i> Advisor: Catherine C. Espaillat	<b>Boston, MA</b> <i>Current</i>
<b>Boston University</b> <i>Master of Arts</i> Advisor: Catherine C. Espaillat	<b>Boston, MA</b> 09/2015–05/2017
<b>University of Michigan</b> <i>B.S. Astronomy &amp; Astrophysics and B.S. Interdisciplinary Physics</i> Advisor: Nuria P. Calvet	<b>Ann Arbor, MI</b> 09/2011–05/2015

## Research Interests

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My research focuses on the evolution of protoplanetary disks, the disks of gas and dust that form around young stars. As these disks evolve they may form planetary systems and I'm interested in characterizing that evolution and what that means for growing planets.

## Honors and Awards

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Fall 2015          Dean's Fellowship  
 Fall 2011, 2013,    University Honors  
 & Spring 2014

## Presentations

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7/2018	Cool Stars 20, Boston, MA – <b>Poster</b>
1/2018	The 4th MA-CT Regional Star Formation Meeting, Boston, MA – <b>Contributed Talk</b>
12/2017	Boston Area Exoplanet Science Meeting, Cambridge, MA – <b>Contributed Talk</b>
01/2017	Regional Star Formation Meeting, New Haven, CT – <b>Contributed Talk</b>
06/2015	Frontiers in Star Formation: Celebrating Contributions to the Field by Nuria Calvet and Lee Hartmann, Ann Arbor, MI – <b>Invited Talk</b>
01/2015	225th American Astronomical Society Meeting, Seattle, WA – <b>Poster</b>
02/2014	Scientista Symposium, Massachusetts Institute of Technology, Cambridge, MA – <b>Poster</b>
04/2013, 04/2014, & 04/2015	Undergraduate Research Presentation, University of Michigan, Ann Arbor, MI – <b>Poster</b>

## Publications

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- 8/2018      *"Herschel Observations of Protoplanetary Disks in Lynds 1641"*  
**Sierra L. Grant**, Catherine C. Espaillat, S. Thomas Megeath,  
 Nuria Calvet, William J. Fischer, Christopher J. Miller,  
 Kyoung Hee Kim, Amelia M. Stutz, Álvaro Ribas, Connor E. Robinson  
 ApJ, 863, 13
- 3/2014      *"A Month of Personal Transformation at Kitt Peak"*  
**Sierra L. Grant**  
 NOAO Newsletter, Issue 109, March 2014

## Accepted Observing Proposals

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- 1/2018      Discovery Channel Telescope, Lowell Observatory (3 half-nights)  
 "Probing Gas and Dust in the Sites of Planet Formation"  
**Sierra Grant**, Catherine Espaillat
- 11/2017      Discovery Channel Telescope, Lowell Observatory (3 half-nights)  
 "Probing Gas and Dust in the Sites of Planet Formation"  
**Sierra Grant**, Catherine Espaillat
- 10/2017      *Hubble Space Telescope 6 orbits & Chandra X-ray Observatory 35ks & VLA*  
 9.6 hours  
 "Connecting Mass Accretion and Ejection in Pre-main Sequence Stars"  
 Catherine Espaillat, Jesús Hernández, **Sierra Grant**, Enríque Macías, Mark  
 Reynolds, Connor Robinson
- 10/2015      *Spitzer Space Telescope* (Proposal ID #12036)  
 "Footprints of the Magnetosphere: the Star-Disk Connection in T Tauri Stars"  
 Catherine Espaillat, **Sierra Grant**, Jesus Hernandez, Nuria Calvet  
 Coordinated with the *Hubble Space Telescope* and the *Swift* Telescope for  
 simultaneous observations

## Workshops

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- 12/2017      JWST Proposal Planning Workshop, Pasadena, CA
- 3/2016      NRAO Live! ALMA Proposal Workshop at Boston University, Boston, MA

## Teaching

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- Spring 2016      AS 203: Principles of Astronomy II Teaching Assistant

## Affiliations and Outreach

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- 09/2018 – Current      Letters to a Pre-Scientist Pen Pal
- 09/2015 – Current      Boston University Astronomy Public Open Nights
- 09/2011 – 05/2015      Student Astronomical Society
- 09/2011 – 05/2012      Douglass Houghton Scholars Program
- 09/2011 – 05/2012      Women in Science and Engineering Residency Program
- 06/2010      Michigan Technological University Women in Engineering Program