

# KRISTA LYNNE SMITH

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## EDUCATION

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**University of Texas** *Dec. 2010*  
B.S. Astronomy  
**University of Maryland** *Dec. 2013*  
M.S. Astronomy  
Ph.D. Astronomy *anticipated July 2017*

## RESEARCH INTERESTS

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AGN Variability and Accretion  
Radio Properties of Seyfert Nuclei  
Dust and Obscuration in AGN  
Binary and Merging AGN  
AGN Feedback and Star Formation

## FIRST AUTHOR PUBLICATIONS (122 CITATIONS)

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“Radio Properties of the BAT AGN: The Far-IR Radio Correlation, the Fundamental Plane, and the Main Sequence of Star Formation”  
**K.L. Smith**, R.F. Mushotzky, S. Vogel, T.T. Shimizu & N. Miller. 2016, *ApJ*, 832, 2

“KSwAGS: A Swift X-ray and UV Survey of the Kepler Field, I”  
**K.L. Smith**, P.T. Boyd, R.M. Mushotzky, N. Gehrels, M. Still, R. Edelson, A. Brown & S. Young. 2015, *AJ*, 150, 126

“An Infrared and Optical Analysis of a Sample of XBONGs and Optically Elusive AGN”  
**K.L. Smith**, M. Koss & R.M. Mushotzky. 2014, *ApJ*, 794, 112

“Double-Peaked Narrow-line Active Galactic Nuclei II. The Case of Equal Peaks”  
**K.L. Smith**, G.A. Shields, S. Salviander, A.C. Stevens & D.J. Rosario. 2012, *ApJ*, 752, 63

“A Search for Binary Active Galactic Nuclei: Double-Peaked [OIII] AGNs in the SDSS”  
**K.L. Smith**, G.A. Shields, E.W. Bonning, C.C. McMullen, D.J. Rosario & S. Salviander. 2010, *ApJ*, 716, 866

## CO-AUTHORED PUBLICATIONS

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“Rapidly Rotating X-ray Bright Stars in the Kepler Field”  
S.B. Howell, E. Mason, P.T. Boyd, **K.L. Smith** & D.M. Gelino. 2016, *ApJ*, 831, 27

“Reverberation Mapping of the Kepler Field AGN KA1858+4850”  
L. Pei & 42 co-authors inc. **K.L. Smith**. 2014, *ApJ*, 795, 38

“Discovery of a ~5 Day Characteristic Timescale in the Kepler Power Spectrum of Zw229-15”  
R. Edelson, S. Vaughan, M. Malkan, B.C. Kelly, **K.L. Smith**, P.T. Boyd, & R. Mushotzky. 2014, *ApJ*, 795, 2

“Adaptive Optics Imaging of Quasi-stellar Objects with Double-peaked Narrow Lines: Are They Dual Active Galactic Nuclei?”  
D.J. Rosario, R.C. McGurk, C.E. Max, G.A. Shields, **K.L. Smith** & S.M. Ammons. 2011, *ApJ*, Vol. 739, 44

“Spatially Resolved Spectroscopy of SDSS J0952+2552: A Confirmed Dual AGN”

R.C. McGurk, C.E. Max, D.J. Rosario, G.A. Shields, **K.L. Smith** & S.A. Wright. 2011, ApJ, 738, 2

“The Jet-Driven Outflow in SDSS J1517+3353: Implications for the Double-Peaked Narrow-Line AGN”

D.J. Rosario, G.A. Shields, G.B. Taylor, S. Salviander, & **K.L. Smith**. 2010, ApJ, 716, 131

“The Quasar J105041.85+345631.3: Black Hole Recoil or Extreme Double-Peaked Emitter?”

G.A. Shields, D.J. Rosario, **K.L. Smith**, E.W. Bonning, & 7 co-authors. 2009, ApJ, 707, 936

## SUCCESSFUL PI PROPOSALS

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Discovery Channel Telescope (3 nights)	09/2015
Discovery Channel Telescope (5 nights)	06/2015
JVLA 15A B-array (9 hrs)	2015
JVLA 14B C-array (7 hrs)	2014

## AWARDS AND HONORS

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<b>NASA Earth and Space Sciences (NESSF) Fellow</b>	2014-2017
<b>Andrew S. Wilson Prize for Excellence in Research</b>	09/2016
<i>Dept. prize for graduating student with highest standards of research and scholarship.</i>	
<b>Michael J. Pelczar Award for Excellence in Graduate Study</b>	05/2016
<i>One university-wide award per year to PhD student for excellence beyond coursework.</i>	
<b>Jacob K. Goldhaber Travel Grant</b>	03/2016
<b>All S.T.A.R. (Scholarship, Teaching, and Research) Award, UMD</b>	08/2015
<i>Awarded to outstanding graduate assistants by GPA, TA reviews, and research output.</i>	
<b>International Conference Student Support Award (2), UMD</b>	11/2014
<b>NSF Graduate Fellowship, Honorable Mention</b>	04/2013
<b>John Chi-Lin Wang Award for Academic Excellence</b>	10/2013
<i>Best overall performance in course grades, second year project, and qualifying exam.</i>	
<b>Wentzel Fellow, Dept. of Astronomy, UMD</b>	08/2011
<b>Deans Fellow, Dept. of Astronomy, UMD</b>	2011, 2012
<b>Deans Honored Graduates, UT Austin</b>	12/2010
<i>Awarded to the top 1% of graduates in the College of Natural Sciences</i>	
<b>George Mitchell Award for Academic Excellence, UT</b>	04/2010
<b>United Space Alliance Award for Excellence in Astronomical Research</b>	05/2009
<b>Board of Visitors Scholarship for Excellent Overall Performance, UT</b>	04/2009
<b>Karl G. Henize Award for Excellence in Academic Performance, UT</b>	05/2008

## SELECTED TALKS AND POSTERS

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- EWASS Symposium: Stellar and AGN Feedback in galaxies (2016), Athens, Greece  
“Circumnuclear Star Formation and Feedback in the BAT AGN”
- AGN: What’s in a Name? (2016), European Southern Observatories, Munich, Germany  
“KSwAGS: Kepler Light Curves of Active Galaxies”
- Great Lakes Quasar Symposium (2016), University of Western Ontario, Canada  
“Circumnuclear Star Formation and Feedback in BAT AGN”
- High Energy Astrophysics Division 15th Meeting (2016), Naples, FL  
“Circumnuclear Star Formation in AGN: The FIR-Radio Correlation and Feedback”
- Astronomy Morning Tea Discussion (2015), Carnegie Observatories  
“KSwAGS: Finding AGN and Active Stars in the K2 Fields”
- K2 Science Conference (2015), Santa Barbara, CA  
“KSwAGS: The Kepler-Swift Active Galaxies and Stars Survey”

- Swift: 10 Years of Discovery (2014), Rome, Italy (POSTER)  
“*KS<sub>w</sub>AGS: The Kepler-Swift Active Galaxies and Stars Survey*”
- Astrophysics Seminar (2014), Naval Research Laboratory, Washington, DC  
“*The Nature of XBONGs and Optically Elusive AGN*”
- American Astronomical Society 221st Meeting (2014), Long Beach, CA (POSTER)  
“*XBONGS: An Optical and Near-IR Analysis*”
- Texas Symposium on Relativistic Astrophysics XXVII (2013), Dallas, TX  
“*XBONGs and Optically Elusive AGN: Infrared Insights*”
- American Astronomical Society 217th Meeting (2011), Seattle, WA (POSTER)  
“*Double-Peaked Narrow Emission Lines in AGN: Jets, Spins or Twins?*”
- Virtual Learning Community Initiative Conference (2010) (virtual)  
“*Teaching the Phases of the Moon: A Second-Life Approach*”
- Astrophysics Seminar (2010), Rice University  
“*Binary AGN: Double-Peaked [OIII] Objects in SDSS*”
- American Astronomical Society 215th Meeting (2010), Washington, DC (POSTER)  
“*Black Hole Recoil or Extreme Double-Peaked Emitter: The Curious Case of the Quasar J1050+34*”
- Astrophysics Seminar (2009), UC Berkeley and UC Santa Cruz  
“*Spectroscopic Binary Quasar Candidates in SDSS*”
- American Astronomical Society 214th Meeting (2009), Pasadena, CA (POSTER)  
“*Binary Quasar Candidates in SDSS*”
- American Astronomical Society 213th Meeting (2009), Long Beach, CA (POSTER)  
“*Binary Quasars in the Sloan Digital Sky Survey*”

## ACADEMIC SERVICE

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Graduate Program Committee Member	2016
Graduate Admissions Interviewer	2016
Diversity Committee Member	2014-2015
NASA MatISSE14 Panel - Executive Secretary	2014
NASA Planetary Science Division Panel - Executive Secretary	2014
NASA Planetary Atmospheres PATM Panel - Executive Secretary	2013
Prospective Student Visit Committee Member	2013-present

## DIVERSITY AND PUBLIC OUTREACH

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UMD College Park Scholars Guest Lecturer	2015-2016
Washington Latin Public Charter School Science Fair Judge	2015
GRAD-MAP Winter School Mentor	2015
NASA Ask an Astrophysicist	2014-present
Capella Hotel Constellation Series Astronomer	2014-2015
Astronomy Gentleladies' Network - Founding Member	2013-present
Maryland Day Volunteer	2012-2014
UT Austin Public Outreach Talks (various)	2008-2011

## TEACHING AWARDS AND HONORS

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Outstanding Teaching Assistant - UMD Astronomy	2012
Distinguished Teaching Assistant - UMD Center for Teaching Excellence	2012