Bethlee M. Lindor

CONTACT INFORMATION

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RESEARCH INTERESTS

Exoplanets, Galactic Astronomy, Astrobiology, Astroinformatics, Astrostatistics

EDUCATION

University of Washington, Seattle, WA

Graduate Student in Astronomy

Princeton University, Princeton, NJ

Honors BA in Astrophysical Sciences, June 2018
Certificate in Planets and Life

HONORS AND AWARDS

Cum laude, Princeton University	2018
National Science Foundation Graduate Research Fellowship Award	2018
Ford Foundation Fellowships Predoctoral Honorable Mention	2018
Princeton Mellon Mays Fellowship	2017
Scholars Institute Fellows Program	2015
Princeton Bell Burnell Award in Physics	2015

RESEARCH EXPERIENCE

Undergraduate Senior Thesis, Princeton University AY 2017-2018
Clusters of Galaxies: Mass Determination Methods, Biases, & Precision Cosmology
Advisor: Neta A. Bahcall, Eugene Higgins Professor of Astrophysics

MIT Haystack Observatory REU Summer 2017
Model-Based Light Curve Analysis
Advisor: Victor Pankratius, Head of Astro-&-Geo-Informatics Group

Junior Independent Work, Princeton University Spring 2016
Targeted Search for Milky Way Satellites Using HSC
Advisor: Adrian Price-Whelan, Lyman Spitzer Jr. Postdoctoral Fellow

Junior Independent Work, Princeton University Fall 2016
Blend Analysis of HATNet Transit Candidate HTR268-002
Advisor: Joel Hartman, Research Astronomer

Undergraduate Summer Research Program, Princeton University Summer 2016
Blend Analysis of HATNet Transit Candidates: HTR389-004 and HTR180-005
Advisor: Joel Hartman, Research Astronomer

PUBLICATIONS

B. Lindor, J. Hartman, G. Bakos, et al. *HAT-P-68b: A Transiting Hot Jupiter Around a K5 Dwarf Star*, in prep

PRESENTATIONS

Emerging Researchers in Exoplanet Science IV, Pennsylvania State University (June 2018). Contributed Talk.

Planets and Life Certificate Symposium, Princeton, NJ. (April 27, 2018). Contributed Talk.

231st Meeting of the American Astronomical Society, Washington, D.C. (January 2018). Poster Session.

Ivy League Undergraduate Research Symposium, University of Pennsylvania (November 2017). Poster.

Mellon Mays Mid-Atlantic Regional Conference, Haverford College (November 2017). Poster.

American Physical Society Mid-Atlantic Section, New Jersey Institute of Technology (November 2017). Poster.

MIT Haystack Observatory REU Symposium, Westford, MA (August 10, 2017). Contributed Talk.

Undergraduate Summer Research Symposium, Princeton University (August 4, 2016). Contributed Talk.

Graduate Coursework

Interstellar Matter
Galaxy Dynamics and Structure
Cosmology
Astrobiology Disciplines
Exoplanets and Planets
Galaxy Formation and Evolution

Undergraduate Coursework

Cosmology
General Relativity
Mechanics and Waves
Thermal Physics
Global Geophysics
Life in the Universe
Stars and Star Formation
Topics in Modern Astronomy
Principles of Quantum Mechanics
Advanced Electromagnetism
Earth's Atmosphere
Planets in the Universe
Modeling and Observing the Universe: Research Methods in Astronomy

Additional Experience

Princeton Undergraduate Women* In Physics — Spring 2018
- Aided in formation of this supportive student organization
- Mentored undergraduate women in physics and astrophysics

Princeton Scholars Institute Fellows Program, Head Fellow — 2016 - 2018
- Mentored about 30 undergraduates from historically underrepresented backgrounds
- Contributed to workshops, roundtables, and other events that support academic achievement

Public Outreach

Community-Based Learning Initiative — Spring 2015
- Demonstrated the fundamental laws of physics – in particular, electricity and magnetism – with applications to electronics, optics, and emerging challenges in renewable energy sources for attendants of Communiversity in Princeton, NJ

Organizations

Graduate Student Member, American Astronomical Society — Fall 2018

Relevant Skills

Computer Languages: Python, MATLAB, Blender, Mathematica
Operating Systems: Linux, Unix
Languages: English, Spanish, Haitian Creole