

# TERESA PANURACH

Biomedical and Physical Sciences Bldg, 567 Wilson Rd, Room 3265, East Lansing, MI 48824  
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## EDUCATION

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<b>Michigan State University (MSU)</b> East Lansing, MI, USA PhD Student in Astronomy and Astrophysics	2018 - Present
<b>The City University of New York (CUNY) at Hunter College</b> New York, NY, USA B.A in Physics	2014 - 2018

## AWARDS AND GRANTS

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NSF Graduate Research Fellowship	2020
AstroCom NYC Fellowship	2016 - 2018
American Astronomical Society FAMOUS Travel Grant	2018
AstroCom NYC Senior Scholarship	2017

## REFEREED PAPERS

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3. *GS2000+25: The Least Luminous Black Hole X-ray Binary*  
J. Rodriguez, R. Urquhart, R. Plotkin, **T. Panurach**, L. Chomiuk, J. Strader, J. Miller-Jones, E. Gallo, G. Sivakoff. 2020, *Astrophysical Journal*, 889, 58R
2. *Constraints On Blue Straggler Formation Mechanisms in Galactic Globular Clusters from Proper Motion Velocity Distributions.*  
N. W. C. Leigh, **T. Panurach**, M. Simunovic, A. M. Geller, D. Zurek, M. M. Shara, A. Sills, C. Knigge, N. Gosnell, R. Mathieu, T. H. Puzia, J. Ventura, Q. Minor. 2019, *Monthly Notices of the Royal Astronomical Society*, 482, 231
1. *When Do Clusters Become Multiple Star Systems?: II. Towards a Half-Life Formalism with Four Bodies.*  
T. Ibragimov, N. W. C. Leigh, T. Ryu, **T. Panurach**, R. Perna. 2018, *Monthly Notices of the Royal Astronomical Society*, 477, 4213

## SELECTED RESEARCH EXPERIENCES

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- Graduate Research Assistant:  
*Dept. of Physics and Astronomy, MSU, East Lansing, MI*  
Advisors: Jay Strader and Laura Chomiuk 2018 - Present
- Radio and X-ray observations of low-mass X-ray binaries in globular clusters
- Undergraduate Research Assistant:  
*Dept. of Astrophysics, American Museum of Natural History (AMNH), New York, NY*  
Advisor: Nathan Leigh 2017 - 2018
- Constrained the formation of blue stragglers in globular clusters observed by HST
  - Created numerical simulations of binary-binary star systems

## TEACHING

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Teaching Assistant AST 208: Planets and Telescopes (31 students, MSU)	Spring 2020
Teaching Assistant ISP 205L: Visions of the Universe (2 sections, 156 students, MSU)	Spring 2019
Teaching Assistant ISP 205L: Visions of the Universe (2 sections, 178 students, MSU)	Fall 2018

## STUDENTS ADVISED

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Jennifer Rodriguez (MSU)	2019 - Present
<ul style="list-style-type: none"><li>• Reduced and analyzed radio observations of black hole X-ray binary, GS2000+25</li><li>• Results published with student as first-author</li></ul>	
Jerry Ortiz (CUNY at College of Staten Island)	Summer 2019
<ul style="list-style-type: none"><li>• Calculated the velocity dispersion of nucleated galaxies in the Virgo Cluster using optical spectroscopy</li></ul>	

## PRESENTATIONS

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### Talks

AMNH REU Symposium	August 2017
Hunter College Undergraduate Research Conference	April 2017
Society for Physics and Astronomy Research Conference	October 2016
AMNH REU Symposium	August 2016

### Posters

235th Meeting of the American Astronomical Society	January 2020
231st Meeting of the American Astronomical Society	January 2018
Columbia University Astrofest	September 2017
229th Meeting of the American Astronomical Society	January 2017
Princeton University Conference for Undergraduate Women in Physics (CUWiP)	January 2017

### Workshops

Maximizing Your Mentoring Relationships Workshop (MSU, AMNH, and NRAO)	June 2017 - 2020
Applying to REU and Internships Workshop (CUWiP)	January 2019

### Outreach

MSU's Science Festival	April 2019
Astronomy on Tap: Lansing	September 2018
Astronomy on Tap: New York City	June 2018

## ACADEMIC SERVICE

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Mentor for MSU's Stellar Mentorship Program	2020
Graduate Student Search Committee Representative for Astronomy Faculty Position (MSU)	2020
MSU National Radio Consortium Chapter Leader	2019 - Present
CUWiP (MSU) Local Organizing Committee	2018 - 2019

## REFERENCES

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Jay Strader	strader@pa.msu.edu
Laura Chomiuk	chomiuk@pa.msu.edu
Danny Caballero	caballero@pa.msu.edu