

Natalia Guerrero

Astronomer + Artist

Areas of expertise: detecting and characterizing exoplanets; astronomical data analysis; art-astronomy projects; leading multi-disciplinary teams; creative writing for performance (theatre, radio, spoken word); science communication and science writing

Performance Art

- 2024 *Sound Moves*, Harn Museum of Art, Gainesville, FL
- 2024 *Respiration Meditation*, Wonder @ the Ringling, The John & Mable Ringling Museum of Art, Sarasota, FL
- 2024 *Story of a Photon*, Harn Museum of Art, Gainesville, FL
- 2024 *Respiration Meditation*, Juried Student Exhibition, University Gallery, University of Florida, Gainesville, FL
- 2021 *Respiration Meditation for Octave of Light* in Multiverse Concert Series, Mosesian Center for the Arts, Watertown, MA
- 2019 *Songs from Extrasolar Spaces*, TESS Science Conference, MIT, Cambridge, MA

Writing + Production

- 2021-2023 AVANT podcast, Women in the Arts, Inc., Orlando, FL
- 2016-2022 Catalyze science-theatre playwriting group, Central Square Theatre, Cambridge, MA
- 2016-2019 Voice Box radio show engineer and co-host, 88.1 WMBR, MIT, Cambridge, MA
- 2016 *Friday Passion*, poem series adapted to song cycle, composer Nik Rodewald, Washington, DC
- 2015, 2017 *Neversleep*, libretto for micro-opera, composer Eli Roberts, Boston, MA
- 2015-2016 Charles River Variety radio show writer, engineer, and co-host, WMBR, MIT, Cambridge, MA
- 2014 *Potential*, 10-minute science theatre play premiere, Playwrights in Performance, MIT, Cambridge, MA

Exhibitions

- 2017 Open Mind::Open Art, Stratton Student Center, MIT, Cambridge, MA
- 2016 Women in the Arts: *Impresiones de Hispanidad* traveling exhibition at Winter Garden Heritage Foundation, Orlando City Hall, and Orange County Library System Chickasaw Branch, Orlando, FL
- 2016 MIT Grad Arts Soiree, MIT Media Lab, Cambridge, MA
- 2016 Art of Astrophysics, George Sherman Union, Boston University, Boston, MA
- 2014 Art of Astrophysics, Lobby 10, MIT, Cambridge, MA

Education

- 2023-present University of Florida, MFA Studio Art: Art + Tech, Gainesville, FL
- 2021-present University of Florida, PhD Astronomy, Gainesville, FL
- 2014-2016 Royal Holloway University of London, DPhil Physics (incomplete),

Egham, Surrey, UK
2010-2014 Massachusetts Institute of Technology, SB Physics + Writing minor,
Cambridge, MA

Further education

2023 Lunar + Planetary Institute Planetary ReaCH @ Perez Museum, Miami, FL
2019 Conveying Science Through Art, Guerrilla Science, New York Academy of
Sciences, NYC
2017 High-Speed Imaging for Motion Analysis short course, Edgerton Center,
MIT, Cambridge, MA
2015-2017 Gum Bichromate, Assemblage, Photographic Alternative Process,
Darkroom Printing Techniques, Student Art Association with Thery
Mislick, MIT, Cambridge, MA

Grants + Awards

2023 Grinter Fellowship, University of Florida
2021 Schraeder Fellowship, University of Florida
2019 Fay Chandler Creativity Grant, Center for Art, Science & Technology, MIT
2014 Ilona Karmel Boit Manuscript Prize in Drama, 1st place, MIT
2014 James Howe Writing Prize in Anthropology, honorable mention, MIT
2014 Art of Astrophysics competition, honorable mention, MIT
2012 Sigma Pi Sigma Physics Conference Art Contest, "Physics for Everyone" 1st prize
2011-2013 American Physical Society Minority Scholar

Teaching + Outreach

2024 "Being Stardust" Theater Workshop astrobiologist + theatre-maker,
Library of Congress Kluge Center, Washington, DC
2024 Curator dialogue moderator, Women in the Arts Expo, Orlando, FL
2022 "Considering the Immense," guest co-lecturer with Sarah Ballard, ART
6925 Art+ Tech Workshop, University of Florida
2022 Science Storytellers of Color, Catalyze Playwriting Group with Central
Square Theatre, Cambridge, MA. In conversation with Andrea Kriz,
Brandon Ogbunu, and Arlo Perez.
2011-2022 Art-science project designer and instructor, Community School of the
Arts, Women in the Arts, Inc., Orlando, FL
2021 Interactive exoplanets workshop designer and instructor for ages 6-12,
Boston Public Library (virtual)
2020 Art-science mentor, MIT Science Research Mentoring Program,
Cambridge, MA
2019 Intergalactic Travel Bureau, Guerrilla Science, Photoville, NYC
2019 TESS production liaison for Japanese network NHK and Emmy-winning
documentary *The Hunt for Planet B*, MIT, Cambridge, MA
2019 *Hi Neighbor! Exoplanet Discoveries by NASA's TESS* panel with Thomas
Barclay, Jennifer Burt, and Andrew Vanderburg, SXSW, Austin, TX
2018 Creative Radio Workshop course designer and instructor, WMBR, MIT,
Cambridge, MA
2016-2018 Gique STEAM program volunteer, Boston, MA