

Shalini Kurinchi-Vendhan

astrophysicist, writer, & educator

† Heidelberg, Germany

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Education

- 2024 **University of Heidelberg**
Heidelberg, Germany
Fulbright Scholar & Master of Science in Physics
- 2023 **California Institute of Technology**
Pasadena, California
Bachelor of Science in Astrophysics & English

Honors & Awards

U.S. Fulbright Scholarship

National Science Foundation Research Fellowship

American Astronomical Society Chambliss Medal

Margie Lauritsen Leighton Prize in Physics

Research

- 2024 **Max Planck Institute for Astronomy**
Heidelberg, Germany
Supermassive Black Hole Feedback in Jellyfish Galaxies with Cosmological Simulations
- **Science Writing** published in STRUCTURES magazine, titled **How do the Tails of Jellyfish Galaxies Form?**
- **Editor** for *Science in School* education journal.
- 2023 **École Polytechnique Fédérale de Lausanne**
Lausanne, Switzerland
Origin of Star Formation Quenching in Early, Massive Galaxies with Cosmological Simulations
- 2022 **Harvard & Smithsonian Center for Astrophysics**
Cambridge, Massachusetts
Black Hole Spins with the *Chandra* X-Ray Telescope
- 2021 **Carnegie Observatories**
Pasadena, California
Dark Matter and Cosmic Structure Formation 3-D Numerical Simulations and Semi-Analytic Code
- 2020 **Dark Cosmology Center – Niels Bohr Institute**
Copenhagen, Denmark
Supermassive Black Holes and Star Formation in Simulated Dwarf Galaxies

Science Communication

astropoetry (*New!*)

Personal Website

Web-magazine that explores the intersections between astronomy, art, and poetry with original writing pieces.

Theater Production at the Museo delle Scienze

Museum Exhibitions

Co-created a play about “The Feminist Birth of Climate Science” in collaboration with the University of Trento.

Storytelling for Scientists

Art & Science Fusion

Wrote and performed visual narratives about my passion for science with the Los Angeles community.

Astronomy Open Houses

Cultural Events

Organized a make-your-own-constellation craft, and painted life-sized telescope mirrors in the parking lot.

Teaching & Public Outreach

Astronomy at the German-American Institute

Public Lectures

Created children’s library storytime for international families with space-themed picture books and crafts.

Reach-the-World Science Travel Diaries

Multimedia Outreach

Inspired future global citizens in a special-education classroom through blog articles and video calls.

Reading Partners of Los Angeles

Educational Collaboration

Taught literacy skills to elementary school kids who were behind grade-level to inspire a lifelong love for books.

→ **Matilda Wormwood Teaching Award** for impactful tutoring.

Hixon Writing Center

Peer Tutoring

Lead one-to-one and group workshops with scientists on academic writing in STEM and humanities disciplines.