

WE WILL.

THE CAMPAIGN FOR NORTHWESTERN

Astronomy Research



The CIERA Board of Visitors at Dearborn Observatory, with CIERA faculty, postdocs, students, and staff.

CENTER FOR INTERDISCIPLINARY EXPLORATION & RESEARCH IN ASTROPHYSICS (CIERA)

Board of Visitors and Philanthropic Opportunities

Future Goals & Objectives

CIERA is leading as an international center for astrophysics research, but to continue to propel forward, substantial private funding is needed.

Northwestern seeks gifts to support the following initiatives:

- Enable long-term access to large optical telescopes for pioneering observations of unexplained explosions in the Universe and for advancing the frontier of multi-messenger astronomy
- Establish new endowed professorships in the burgeoning fields of astronomy instrumentation and machine learning
- Create endowed postdoctoral fellowships in computational astrophysics and data science
- Fund state-of-the-art high-performance computing facilities for CIERA researchers
- Invest in delivery of research techniques & insights to the private sector
- Expand education, outreach, and science communication programs to reach more members of the public
- Name the Center in your honor or in recognition of a loved one

CIERA Circle

The CIERA Circle is a community of Northwestern alumni and friends who support CIERA's pioneering research in astronomy and its innovative programs in STEM education and outreach. Small, affordable donations are welcome.

Board of Visitors

CIERA's Board is a diverse, external group of advisors who love science broadly, astronomy in particular, and are eager to see astronomy at Northwestern thrive and expand. Board members are not scientists; they bring perspectives from a range of industries.

Recent Board Initiatives

- Piloting an **Astronomy Summer Camp** for high school students to gain experience with computer programming & scientific research.
- Establishing a **Research Professorship** to support the science program of the director of CIERA.

Board of Visitors Membership

- Minimal annual gift level set at \$5,000.
- Meet two times each year in person or by teleconference.
- Serve on the Board for a minimum of two years.
- Board members need not have a science background.

To support CIERA, contact Michael Kelley at 847-467-2335 or mhkelly@northwestern.edu

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MEET THE DIRECTOR

Vicky Kalogera

Daniel I. Linzer Distinguished University Professor



- Lead astrophysicist and member for nearly 20 years in the LIGO Scientific Collaboration. LIGO is the instrument that first detected gravitational waves in 2015.
- Expert in the astrophysics of black holes and neutron stars and in LIGO data analysis.

Impact on Science & Society

- Mentors and advises dozens of high school students, undergraduates, graduate & PhD students, and postdoctoral researchers.
- Gives hundreds of print & digital media interviews, panel talks, and invited lectures.
- Elected a member of the **U.S. National Academy of Sciences**. Membership in the academy is one of the highest honors given to a scientist in the United States.

