

# Curriculum Vitae

## Vicky (Vassiliki) Kalogera

Northwestern University  
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### EDUCATION

1992 – 1997	<b>Ph.D. in Astronomy</b> , University of Illinois at Urbana-Champaign Ph.D. Thesis: “Formation of Low-Mass X-Ray Binaries” Advisor: Prof. Ronald F. Webbink (Univ. of Illinois)
1988 – 1992	<b>Ptithio (B.S.) in Physics</b> , University of Thessaloniki, Greece Diploma Thesis: “Investigations of the Intrinsic Properties of Cataclysmic Binaries” Advisors: Profs. Jan van Paradijs (Univ. of Amsterdam) and John H. Seiradakis (Univ. of Thessaloniki)

### RESEARCH INTERESTS

Astrophysics of Compact Objects (Black Holes, Neutron Stars, and White Dwarfs), Gravitational-Wave and Time-Domain Transient Astrophysics, Advanced Data Analysis and Inference Methods

### EMPLOYMENT

2017 –	Daniel I. Linzer Distinguished University Professor and Professor of Physics and Astronomy
2012 –	Director, Center for Interdisciplinary Exploration and Research in Astrophysics (CIERA), Northwestern Univ.
2009 – 2017	E. O. Haven Professor of Physics and Astronomy, Northwestern Univ.
2009 – 2012	Co-Director, Center for Interdisciplinary Exploration and Research in Astrophysics (CIERA), Northwestern Univ.
2006 – 2009	Associate Professor, Dept. of Physics and Astronomy, Northwestern Univ.
2001 – 2006	Assistant Professor, Dept. of Physics and Astronomy, Northwestern Univ.
2000 – 2001	Clay Postdoctoral Fellow, Smithsonian Astrophysical Observatory
1997 – 2000	CfA Postdoctoral Fellow, Smithsonian Astrophysical Observatory

### SELECTED AWARDS and HONORS

2021	Elected Member, American Academy of Arts and Sciences
2021	Guggenheim Fellowship, John Guggenheim Memorial Foundation
2020	Legacy Fellow of the American Astronomical Society
2019	Elected Fellow, American Association for the Advancement of Science
2018	Elected Member, National Academy of Sciences
2018	Dannie Heineman Prize for Astrophysics of the American Institute of Physics (AIP) and the American Astronomical Society (AAS)
2017 – 2022	Senior Fellow, Gravity and Extreme Universe Program, Canadian Institute For Advanced Research (CIFAR)
2016	Hans A. Bethe Prize of the American Physical Society
2012	Simons Foundation Fellow in Theoretical Physics
2009	Fellow of the American Physical Society
2008	Maria Goeppert-Mayer Award of the American Physical Society
2005	NSF CAREER Award in Astronomy
2004	Cottrell Scholar Award by the Research Corporation
2002	David and Lucile Packard Foundation Fellowship in Science and Engineering
2002	A. J. Cannon Award of the American Astronomical Society (AAS) and the American Association of University Women (AAUW)

## SELECTED PUBLICATIONS

*The Time Delay Distribution and Formation Metallicity of LIGO-Virgo's Binary Black Holes.* Fishbach, M., Kalogera, V. The Astrophysical Journal Letters, Volume 914, Issue 2, id.L30, 10 pp. (2021)

*Binary Black Hole Formation with Detailed Modeling: Stable Mass Transfer Leads to Lower Merger Rates.* Gallegos-Garcia, M., Berry, C. P. L., Marchant, P., and Kalogera, V. The Astrophysical Journal, Volume 922, Issue 2, id.110, 12 pp. (2021)

*Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences.* The LIGO Scientific Collaboration, the Virgo Collaboration, the KAGRA Collaboration. The Astrophysical Journal Letters, Volume 915, Number 1, id.L5, 24 pp. (2021)

*Evidence for Hierarchical Black Hole Mergers in the Second LIGO-Virgo Gravitational Wave Catalog.* Kimball, C., Talbot, C., Berry, C. P. L., Zevin, M., Thrane, E., Kalogera, V., Buscicchio, R., Carney, M., Dent, T., Middleton, H., Payne, E., Veitch, J., Williams, D. The Astrophysical Journal Letters, Volume 915, Issue 2, id.L35, 14 pp. (2021)

*Properties and Astrophysical Implications of the 150-Solar-Mass Binary Black Hole Merger GW190521.* Abbott, R., et al. The Astrophysical Journal Letters, Volume 900, Issue 1, id.L13 (2020)

*GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object.* Abbott, B., et al. The Astrophysical Journal Letters, Volume 896, Issue 2, id.L44 (2020)

## SELECTED SERVICE IN THE PHYSICS AND ASTRONOMY COMMUNITY

- Elected Member of the Management Team of the LIGO Scientific Collaboration (2020 – 2022)
- Chair and Member, Multiple Prize and Election Committees of the National Academy of Sciences (2019 – )
- Co-Chair, National Research Council's Committee on Astronomy and Astrophysics (NRC CAA), Joint Committee of the Space Studies Board and the Board on Physics and Astronomy, National Academy of Sciences (2018 – 2021)
- Co-Chair, 3G Science Team, GWIC 3G Subcommittee on 3rd Generation Gravitational-Wave Detectors (2017 – )
- Elected Member, Executive Board of Directors, LSST Corporation (2016 – 2018)

## RESEARCH ADVISING & MENTORING

- More than 20 Postdoctoral Prize Fellows and Associates, 15 of them are now faculty or senior researchers
- More than 15 Ph.D. Thesis Students, 6 of them are now faculty, other prize postdoctoral fellows
- More than 40 Undergraduate Research Students, 13 Honors Theses, most of them at top graduate programs

Full CV and Publication List can be found at Kalogera's research web site:  
<https://sites.northwestern.edu/vickykalogera/>