

Curriculum Vitae

Eric Betzig, Ph.D.

Contact Information

Janelia Research Campus
Howard Hughes Medical Institute
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Education and Training

- 1983 B.S. with Honors in Physics, Caltech
- 1985 M.S. in Applied & Engineering Physics, Cornell University
- 1988 Ph.D. in Applied & Engineering Physics, Cornell University
 Advisor: Prof. Michael Isaacson
 Thesis topic: Near-field Scanning Optical Microscopy (*NSOM*)

Post-training Positions

- 2005–Now Group Leader, *Janelia Research Campus, Howard Hughes Medical Institute (HHMI)*
 Basic research into new bioimaging technologies
- 2002–2005 Owner, *New Millennium Research, Okemos, MI*
 Basic R&D, scientific and engineering consulting
 Developed optical lattice microscopy, photoactivated localization microscopy
- 1996–2002 Vice President of R&D, *Ann Arbor Machine Company, Chelsea, MI*
 Machine tool R&D, product development, and marketing, culminating in the
 introduction of Flexible Adaptive Servohydraulic Technology (FAST)
- 1994–1996 Owner, *NSOM Enterprises, Berkeley Heights, NJ*
 Basic R&D, scientific and engineering consulting
 Developed superresolution method based on multidimensional localization
- 1988–1994 Member of Technical Staff, *Semiconductor Physics Research Department, AT&T
Bell Laboratories, Murray Hill, NJ*
 Refinement of near-field optics and application to biology, data storage, and semi-
 conductor spectroscopy

Honors and Awards

2016	Honorary Fellow, Royal Society of Microscopy
2016	Distinguished Alumnus, Caltech
2016	Academician, Pontifical Academy of Sciences
2015	Newcomb Cleveland Prize
2015	Member, National Academy of Sciences
2015	Honorary Fellow, Royal Society of Chemistry
2014	Nobel Prize in Chemistry
1993	National Academy of Sciences Award for Initiatives in Research
1992	William L. McMillan Award