

# JENNIFER HUBER, PH.D.

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## SUMMARY

**Science writer** with extensive technical communications experience as an academic research scientist, freelance science writer and writing instructor. Highly proficient at synthesizing complex technical information and translating it for a general audience. Proven track record of effectively targeting a broad range of audiences for news organizations, companies and academic institutions. Passionate about promoting public engagement with science and technology.

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## PROFESSIONAL EXPERIENCE

### SCIENCE WRITER – Freelance

2010-Present

- Identify, comprehensively investigate and synthesize newsworthy scientific research to ensure accurate reporting on a wide range of subjects for various media outlets with diverse audiences.
- Engage readers for Stanford School of Medicine publications by writing blog posts and feature stories on general health and medical news, leveraging my years of medical research experience. Wrote 2 of top 5 most-read Scope stories in 2021.
- Write news features for SLAC National Accelerator Laboratory, providing a unique perspective as a former high energy physics researcher at SLAC.
- Highlight UC Berkeley’s diverse physics research as the sole science writer and contributing editor for the Berkeley Physics Magazine. Wrote feature stories for the Berkeley Engineer online and print magazines.
- Wrote news features for Lawrence Berkeley National Lab, capitalizing of my years as a research scientist.
- Covered the health beat for KQED Science website, identifying newsworthy medical research and translating it into accessible language for the public. Wrote “Top 10” story in 2013 based on page views.

### SCIENCE WRITING INSTRUCTOR – Freelance

2012-Present

- Specialize in teaching scientists and engineers how to become more effective and confident writers.
- Develop and teach science-writing courses for Lawrence Berkeley National Laboratory, SLAC National Accelerator Laboratory, Department of Energy Oregon and biotech companies.

### TECHNICAL EDITOR AND WRITER – Freelance

2008-Present

- Edit and write journal articles, grant proposals, reports and websites to ensure clarity from the minute level of grammar to the global structure. Write and edit for Memorial Sloan and Kettering, UC San Francisco and SLAC National Accelerator Center.

### PUBLIC RELATIONS WRITER AND EDITOR – Freelance

2014-Present

- Specialize in communications writing for a wide range of clients in the healthcare, water resources and engineering industries, such as TOMA Biosciences, AC Transit, Alameda County Flood Control District, American Society of Civil Engineers, PSE Healthy Energy, Braid Health and Turner 4D.
- Develop and maintain websites, including content, design and programming assistance.
- Write, edit and help design outreach materials for the general public, including fact sheets, fliers, presentations, social media posts, brochures and newsletters.
- Ghostwrote feature stories for a variety of international print magazines, such as Deep Foundations, Foundation Drilling, ITS International and Engineering News-Records.

RESEARCH SCIENTIST – Lawrence Berkeley National Laboratory

1996-2015

- Acted as technical writer and website designer for the OpenPET open source electronics collaboration.
  - Wrote and edited technical journal articles, grant proposals, reports, user manuals and presentations.
  - Developed unique medical imaging scanners optimized to detect breast or prostate cancer, in collaboration with UC San Francisco Radiation Oncology. Acted as principal investigator. Obtained several million dollars in funding and managed projects. Presented at international conferences.
  - Acted as guest Associate Editor for Institute of Electrical and Electronics Engineers (IEEE) Transactions on Nuclear Science. Reviewed articles for five international scientific journals.
  - Reviewed grant applications for Department of Energy, National Institutes of Health and Department of Defense research programs.
  - Organized and taught educational short courses for IEEE Nuclear Science Symposium and Medical Imaging Conferences.
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## EDUCATION

**Ph.D. in Physics** • University of California, Santa Barbara – Santa Barbara, CA

**B.A. in Physics** • University of California, San Diego – San Diego, CA

**Professional Certificates in Web Design & Integrated Marketing** • San Francisco State – San Francisco, CA

## TECHNICAL PROFICIENCIES

*Platforms:* Windows, Mac, Unix

*Software:* Microsoft Office Suite, Adobe FrameMaker, LaTeX, Adobe Design Premium Suite, WordPress

*Programming:* Fortran, C++, HTML

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## PUBLICATIONS

### ACADEMIA

- 23 first author and 68 co-author peer-reviewed international journal articles.
- Research example: *Development of a PET-Transrectal Ultrasound Prostate Imaging System*, [http://www.researchgate.net/publication/224236699\\_Development\\_of\\_a\\_PET-Transrectal\\_Ultrasound\\_Prostate\\_Imaging\\_System](http://www.researchgate.net/publication/224236699_Development_of_a_PET-Transrectal_Ultrasound_Prostate_Imaging_System)
- AIPES example: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4969342/>

### JOURNALISM & COMMUNICATIONS

- Stanford School of Medicine Scope examples: <http://scopeblog.stanford.edu/author/sciencehuber/>
- KQED examples: <http://blogs.kqed.org/science/author/jenniferhuber/>
- SLAC National Accelerator Laboratory example: *New Device Produces Hydrogen Peroxide for Water Purification*, <https://www6.slac.stanford.edu/news/2017-03-31-new-device-produces-hydrogen-peroxide-water-purification.aspx>
- Berkeley Lab example: *Shedding New Light on Luminous Blue Variable Stars*, <https://www.neresc.gov/news-publications/neresc-news/science-news/2018/shedding-new-light-on-luminous-blue-variable-stars/>
- Berkeley Engineer example: *Microrobots fly, walk and jump into the future*, <https://engineering.berkeley.edu/news/2018/11/microrobots-fly-walk-and-jump-into-the-future/>