

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, marketing agencies and academic institutions. Passionate about promoting public engagement with science and technology.

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 newsletter articles and blog posts on general health and medical news, leveraging my years of medical research experience.
- Write news features for SLAC National Accelerator Laboratory, providing a unique perspective as a former high energy physics researcher at SLAC.
- Highlight UC Berkeley College of Engineering's diverse engineering research by interviewing faculty and writing feature stories for the Berkeley Engineer online and print magazines.
- Covered health beat for KQED Science website, identifying newsworthy medical research and translating it into accessible language for a general audience. Wrote "Top 10" story in 2013 based on page views.

PUBLIC RELATIONS WRITER – Freelance

2014-Present

- Specialize in communications writing for a wide range of clients in the healthcare, transportation, water resources, engineering and construction industries, such as TOMA Biosciences, AC Transit, Alameda County Flood Control District, Delta Levees Stewardship and American Society of Civil Engineers.
- Ghostwrite feature stories for a variety of international print magazines, such as Deep Foundations, Foundation Drilling, ITS International and Engineering News-Records.
- Write, edit and pitch press releases to assist in the creation of newsworthy events that are covered by local TV, radio and print outlets, such as the International Walk and Roll to School Day.
- Write, edit and help design outreach materials for the general public, including fact sheets, fliers, presentations, social media posts, brochures and newsletters.
- Develop and maintain websites, including content, design and programming assistance.

SCIENCE WRITING INSTRUCTOR – Freelance

2012-Present

- Specialize in teaching scientists and engineers how to effectively communicate with a general audience.
- Develop and teach science-writing courses for Genentech, UC Berkeley Extension, Lawrence Berkeley National Laboratory, SLAC National Accelerator Laboratory and Institute of Electrical and Electronics Engineers (IEEE).

TECHNICAL EDITOR AND WRITER – Freelance

2008-Present

- Edit and write journal articles, grant proposals, reports, websites and books to ensure clarity from the minute level of grammar to the global structure.

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 UCSF Radiation Oncology. Acted as principal investigator. Obtained several million dollars in funding and managed projects.
 - Acted as Associate Editor for 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 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

PUBLICATIONS

ACADEMIA

- 22 first author and 67 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
- 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/>
- Berkeley Engineer example: *The Underground: Studying the Arctic Tundra*, <http://innovations.coe.berkeley.edu/vol7-issue8-feb2014/studying-the-arctic-tundra.html>
- 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>
- TOMA Biosciences example: <http://www.prweb.com/releases/2016/06/prweb13500618.htm>
- Convey example: *Delta Levees Investment Strategy Fact Sheet*, http://deltacouncil.ca.gov/sites/default/files/2014/10/DLIS_FactSheet1_Final_102314_lowres.pdf