

Curriculum Vitae

PERSONAL INFORMATION

Priya Hays, M.S., Ph.D.

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ELECTIONS

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| 2019 | American College of Medical Genetics and Genomics
Affiliate Member |
| 2019 | Society for Immunotherapy of Cancer
Member |
| 2018 | American Society of Clinical Oncology
Elected Member, Allied Physician/Doctoral Scientist |

CME CREDITS

- Navigating the Complexities of Biomarker Testing in the Expanding Field of Precision Immuno-Oncology: Latest Evidence, Current Challenges, and Practical Guidance for Pathologists; September 9, 2020
- Perspectives on Innovative Treatment for B-Cell Malignancies: The Convergence of Precision Medicine with Groundbreaking Therapeutics; August 11, 2020
- How I Think, How I Treat: Understanding Innovation in Multiple Myeloma—New Models for Attacking Disease Across the Clinical Spectrum; July 1, 2020
- Patient Stories from the HCC CaseBook: Expert Guidance on Optimizing Outcomes and Care With Newly Available and Emerging Therapies; June 30, 2020
- Everything You Need to Know About Biomarkers, Immunotherapies, Combinations, and Other Emerging Approaches for Lung Cancer; June 25, 2020
- Transforming Modern Care in AML: Clinical Solutions with Novel Agents for Diverse Patient Populations; June 24, 2020
- Moving in Leaps and Bounds Towards Expanded Precision Treatment of HER2- or HER3- Driven Breast, Gastrointestinal, Lung and Other Cancers: Current Challenges, Opportunities for Improvement, and Practical Considerations; June 23, 2020

EDUCATION

	University of California, Santa Cruz-Extension		
	Course	Term	Grade
	Molecular Diagnostics	Spring 2015	A
	Immunology	Winter 2017	A
2019	University of California, Santa Cruz-Extension		
	Certificate in Technical Communication		
	Curriculum:		Grade
	Technical Writing: An Introduction		A
	Technical Writer's Workshop		A
	Content Management		A
	Usability Testing		A
	Writing Minimalist Documentation		A
	XML for the Rest of Us		A
	Grammar for Technical Communicators		A
	Writing Successful Policies, Instructions and Procedures		A
	Information Architecture		B
	Preparing for Your Job Search		A
2005	University of California, San Diego, Ph.D. in Literature		
	Thesis: <i>Molecular Biology in Narrative Form</i>		
	My dissertation was turned into a book and incorporates the work of narrative theory and the principles of science studies in an analysis of biomedical texts.		
	Chair: Alain J.-J. Cohen, Professor of Comparative Literature		
	Committee: Naomi Oreskes (History of Science), Sanjay Nigam, MD (School of Medicine), Jack Greenstein (Visual Studies), Donald Wesling (Literature)		
2000	University of California, Santa Cruz, Certificate in Bioinformatics		
1999	University of California, Davis, M.S. in Genetics		
	Comprehensive Examination		
	Dartmouth College, A.B. in Biochemistry and Comparative Literature with Honors <i>cum laude</i>		

POSTDOCTORAL TRAINING

2008	<i>Northwestern University, Center for Bioethics, Science and Society</i> PI: Laurie Zoloth, PhD
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- Studied nanotechnology and ethics.

2005-2008

Dartmouth Medical School, Department of Medicine

Division of Hematology/Oncology

PI: Christopher H. Lowrey, MD

- Investigated chromatin structure and regulation of human beta-globin gene expression in a biomedical laboratory.
- Spoke at an oral session at the American Society of Hematology Convention (see Conferences section for title of presentation).
- Wrote two National Human Genome Research Institute-ELSI grants (“Critical Theory and the Human Genome Project”, unfunded).
- Conducted research on the mechanism of transcription factor binding in a molecular biology laboratory as part of an effective cross-functional team. I used chromatin immunoprecipitation assays to determine the binding activity of the transcription factor involved in hematopoiesis.
- Advanced my research on healthcare policy, literary theory, medical humanities, bioethics and science studies.
- Attended and led sessions at conferences on literary studies (*American Comparative Literature Association; Modernist Studies Association*) and published papers in journals on genetics and ethics (*New Genetics/New Identities*) (see Conferences and Publications section for titles).
- I conducted an anthropological ethnography of the laboratory, leading to insight on ethics in laboratory science and medicine. This led to the publication of my second book, *Science, Cultural Values and Ethics*.
- Conducted field studies of laboratory investigation to develop a theory of scientific practice in the context of literary criticism.

STATEMENT OF RESEARCH INTERESTS

My research interests are in precision oncology, personalized medicine, genomic medicine, immunology, and science, technology and society. Areas of focus are targeted oncology, immunotherapies, public understanding of precision medicine, and pharmacogenomics. I also conduct workshops on science writing and technical writing.

SKILLS

Clinical and scientific literature reviews, XML/DITA, CCMS, XMetaL, unstructured and structured Adobe FrameMaker, Adobe Photoshop, Adobe Illustrator, InDesign, Visio, SnagIt, PaintShop, MS Word, MS PowerPoint.

Proficiency in various immunology, molecular biology and biochemistry techniques: Cell/Tissue Culture, Transformations, Transfections, DNA/oligo quantification, Cloning, Subcloning, PCR, Gene amplification, DNA Sequencing, Gel electrophoresis, Plasmid DNA and Genomic DNA purification, DNA ligation and quantification, Chromatin Immunoprecipitation assays, qPCR, Southern blotting, Genotyping, Flow cytometry, Western blotting, Recombinase Mediated Cassette Exchange, ELISA, Chromatin Immunoprecipitation Sequencing, Site-directed Mutagenesis, DNase Assays, HPLC, siRNA techniques, High-throughput genome sequencing.

PUBLICATIONS: Books

Advancing Healthcare Through Personalized Medicine, Second Edition

Springer Nature, under contract, upcoming in 2021

Advancing Healthcare Through Personalized Medicine, CRC Press/Taylor & Francis, March 12, 2017.

Science, Cultural Values, and Ethics, Science in Society series, Common Ground Publishing, April 2013.

Molecular Biology in Narrative Form: A Study of the Experimental Trajectory of Science, Volume 64 in the Berkeley Insights in Linguistics and Semiotics Series, Peter Lang Publishing, October 2006.

PUBLICATIONS: Peer-Reviewed Journal Articles

“Challenges for chimeric antigen receptor T cell therapies in the clinical setting: mechanisms of resistance in non-responders”

Biomedical Journal of Scientific and Technical Research, February 2020

“Clinical Care of CAR T-cell Patients and Managing immune-Related Adverse Effects in the Ambulatory and Hospitalized Setting: A Review”

With Deepak Asudani MD, MPH and Caitlin Costello MD

Future Oncology, December 2019.

“Review of Therapeutic Approaches for B-Cell Malignancies with Immune Checkpoint Blockade and Chimeric Antigen Receptor T-Cell Therapies: Development, Benefits, and

Limitations”

Journal of Clinical Investigation and Studies, 2019, Vol. 2, pp. 1-6.

“Personalized Medicine: Paradigm Shift or Revolution”

Genetics in Medicine, Official Journal of American College of Medical Genetics, November 2018 online issue.

“Contested Boundaries: How Scientists Deal with Uncertainty and Ambiguity in Language,”

in *Language as a Scientific Tool: Shaping Scientific Language Across Time and National Tradition*; Edited by Miles MacLeod, Rocio G Sumillera, Jan Surman, and Ekaterina Smirnova, 2016, Routledge Studies in Cultural History, pp. 74-88.

“Epistemic Cross-Talk: Why we need—and should desire—interdisciplinarity,”

Interdisciplinary Literary Studies, Vol. 15, No. 2 Fall 2013, pp. 221-239.

“Whence Social Determinants of Health? Effective Personalized Medicine and the 2010 Patient Protection and Affordable Care Act,”

Journal of Clinical Research and Bioethics, 2012, S-5.

“Narratives of Science: Literary Theory and Discovery in Molecular Biology,”

in C.C. Barfoot and Valeria Tinkler (eds.),
Restoring the Mystery to the Rainbow: Literature’s Reflections on Science, DQR Studies in Literature, Vol. 78, pp.429-447.

“Bioeconomy and the Third Industrial Revolution in the Age of Synthetic Life,” with

Michael A. Peters, PhD.

Contemporary Readings in Law and Social Justice 2:2 (2010).

“Biocapitalism and the Politics of Life,” with Michael A. Peters, PhD.

Geopolitics, History and International Relations 2:2 (2010).

“‘Nanoselves:’ NBIC and the Culture of Convergence,”

Bulletin of Science, Technology and Society, 30:2 (2010): 119-129.

“Reception Studies in France: Social Contexts, Reader Interpretation and the Role of Julia Kristeva,” *L’Esprit Créateur*, Special Issue on Reception Studies in France, 49:1

(2009): 111-124. Reprinted in *Contemporary Literary Criticism*. Ed. Jeffrey W. Hunter. Vol. 340. Detroit: Gale, 2013.

“The Legitimation of Local Knowledges: Introducing the Postmodern into Laboratory Science,”

Social Semiotics, 18:4 (2008): 481-491.

“Making Science Accessible: A Semiotics of Scientific Communication,”

with Christopher H. Lowrey, MD, *Biosemiotics*, 1 (2008): 253-269.

“Genomics, social formations and subjectivity,” in Paul Atkinson, Peter Glasner and Helen Greenslade (eds.) *New Genetics, New Identities*, London: Routledge Press (2007): 178-191.

“Targeting GATA-1 to binding sites in nuclear chromatin,”
Blood Cells, Molecules and Diseases, 38(2007).

“Effect of Lead and Cadmium on Erythroid Differentiation in GATA-1 Dependent Gene Expression,” *Blood Cells, Molecules and Diseases*, 37(2006):164-172.

“A Dialogue on the Scientific Method: Assessing the Foucauldian Method and the Marxist Method,”
Exit 9 The Rutgers Journal of Comparative Literature, VII (2005):15-28.

“Paradigm Shifts and New Worldviews: Kuhn, Laudan and Discovery in Molecular Biology,”
Reconstruction: Online Cultural Studies Journal, 4(2004).

INVITED ARTICLES

“Of Dickens and Darwin,” TheScientist.com, (2007).

“Yin, meet yang,” Point of View, *Dartmouth Medicine*, (2007): 62.

CONFERENCES/PRESENTATIONS/INVITED TALKS

Advancing Healthcare Through Personalized Medicine

Featured title at 6th Annual LocalLit Faire, Dr. Martin Luther King, Jr., Library, San Jose, CA, December 16, 2018.

“Innovative Tools and Ingenious Systems: ELSI Learned from Writing my Book on Personalized Medicine”

2017 4th Annual ELSI Congress, Jackson Laboratories, Farmington, CT.

“Improving Medication Adherence by Adopting Minimalist Standards”

2016 Pharma and Device Packaging and Labeling Conference, San Mateo, CA.

“Usability Testing on the GeneXpert Bladder Cancer RUO Package Insert”

2016, Cepheid Corporation, Sunnyvale, CA.

“Contested Boundaries: How Scientists Deal with Uncertainty in Language.”

2010 Language as Scientific Tool Conference in Vienna, Austria.

“The Physician as Reader: Ethics and Interpretation in Medicine.”

2010 Society for Literature, Science and Arts Conference in Indianapolis, IN.

“Genomic Variation and Cancer: The Ethical Dimensions of Personalized Medicine.”
2010 Genetics and Ethics in the 21st Century Conference: Genomic Diversity and Health Disparities in Denver, CO.

“Advancing Stem Cell Research Efforts for Social Benefit.”
2010 Stem Cell World Congress in San Francisco, CA.

“A Unique Ethnography of the Laboratory: Postmodernism, Science Studies and Ethics.”
2009 International Conference on Science in Society at University of Cambridge, UK.

“The Iterative Process behind Nanoconvergence.”
2008 Society for Literature, Science and the Arts Conference in Charlotte, NC.

“The Paradox of Reading in a Democratic Society.”
2008 South Atlantic Modern Language Association Conference in Louisville, KY.

“Signs and the Generation of Scientific Knowledge in the Laboratory.”
2008 Semiotic Society of America Conference in Houston, Texas.

“Scientific Practice in the Context of Literary Paradigms.”
2007 Society for Philosophy of Science in Practice Conference at University of Twente, Twente, Netherlands.

“Narrative Approaches to Science.”
2007 International Conference on Narrative at Washington, D.C.

“Specificity Protein 1 Consensus Binding Sequences Flank Many Functional GATA-1 Binding Sites and are Sufficient to Allow GATA-1 Binding to a WGATAR sequence in Nuclear Chromatin.”
2006 American Society of Hematology Convention in Orlando, Florida.

“Integrating Literary Theory and Biomedicine: New Conceptual Approaches.”
Invited speaker for the 2006 Department of Philosophy Colloquium
University of California, Santa Cruz, co-sponsored by the History of Consciousness Department and Feminist Studies.

“Modernist Science and Its Caveats”
Panel Organizer, 2006 Modernist Studies Association Conference in Tulsa, Oklahoma.

“Literary Tropes and Molecular Biology in the Postmodern Era.”
Seminar Organizer, 2006 American Comparative Literature Association Conference at Princeton University.

“Examining the Scientific Method: Science’s Questionable Claims to Lucidity.”
2004 Western Humanities Alliance Conference at the University of California, Santa

Cruz.

“An Epistemological Justification for a Poststructuralist Reading of Science.”
2004 Theorizing Methodologies Conference at the University of California, Los Angeles.

“The Effects of Genomics on Social Formations and Subjectivity.”
2004 International Centre for the Economic and Social Aspects of Genomics
Conference at the Royal Society, London, England.

“Subverting Semiotics: The Humanist Tradition and Skepticism in the French and Italian Renaissance.”
2004 French and Italian Graduate Student Conference at the University of Texas at
Austin.

“Kuhn, Laudan and Discovery in Molecular Biology.”
2003 Society for Social Studies of Science (4S) Conference at Atlanta, GA.

“The Signifier as Discursive Practice: A Post-Structuralist’s View of Science.”
2002 Society for Social Studies of Science (4S) Conference at Milwaukee, WI.

**“Translation through Post-Structuralism: A Semiotic and Discursive Analysis of
Science.”**
2002 Western Humanities Alliance Conference at the University of California, Irvine.

PUBLIC LECTURES

“Secular Visions of Nanotechnology: The Religious Context.”
Theology and Technology Series, United Methodist Church, Evanston, Illinois,
Spring 2008.

“Bioethics and Clinical Research Ethics.” Materials Science and Engineering Department,
Northwestern University, Spring 2008.

**“Legitimizing Local Knowledges: Introducing the Postmodern into Laboratory
Science.”**
Department of Comparative Literature, Dartmouth College, Fall 2005.

“Architecture, Art and the External Homunculus.”
Culture, Art and Technology 1C, UC San Diego, Fall 2004.

“Mind-Body Dualism.”
Cognitive Science 11, UC San Diego, Spring 2003.

“Orientalism in the Asian-American Context.”
History 7B, UC San Diego, Winter 2003.

TEACHING POSITIONS

2012-14

Lecturer, Technical and Professional Writing Program
San Francisco State University
Advisor: Professor Bob Dvorak, PhD

- Taught “Writing Process and Documentation.”
- Designed syllabi according to department guidelines, conducting lectures, meeting with students, holding office hours.
- Assignments included writing tutorials, standard operating procedures, use case scenarios, process descriptions, and business writing.

Lecturer, College of Science and Engineering
San Francisco State University
Advisor: Associate Dean Robert Ramirez, PhD

- Taught “Professional and Scientific Writing Skills” to graduate students in the College of Science and Engineering.
- Conducted lectures on writing in the biomedical sciences and ESL using PowerPoint and classroom technology.
- Conducted lectures on science and technology studies.
- Graded papers while offering extensive feedback.
- Taught students how to critique scientific journal articles, write grant proposals and write popular press scientific articles.
- Encouraged student participation and engagement through classroom participation.

2008-2010

Academic Year Lecturer, Department of English
Santa Clara University
Department Chair: Professor John Hawley, PhD

- Taught Freshman Composition and Rhetoric.
- Core Curriculum Advisor for Science, Technology and Society Critical Thinking and Writing Program.
- Used interdisciplinary approaches to teach critical thinking and social justice in a course entitled “Science, Ethics and Society.”

- Designed syllabus according to department guidelines. Participated in Core Curriculum initiatives.
- Conducted lectures on technical writing, biomedicine, health and society, science and technology studies, history/philosophy of science, rhetoric of science, bioethics, genetic testing, nature/nurture debates, environmental studies, postcolonial studies of science, and ethics.
- Assigned short reading responses on the readings, short essay assignments and longer length term/research papers.
- Used Blackboard, electronic discussion boards and PowerPoint.
- Showed films such as *Gattaca* and *Inconvenient Truth* in class. Gave extensive written feedback to written assignments.
- Held one-on-one conferences with students. Held office hours.
- Encouraged student participation through in class discussion, mock debates and in class writing assignments. Advised students on academic and career goals.

COURSES TAUGHT

“Writing Process and Documentation” (1 section, 21 students)

“Professional and Scientific Writing Skills” (3 sections, 10-19 students per section)

“Science, Ethics and Society” (6 sections, 20 students per section.)

“Technical Writing for Engineers” (1 section, 22 students per section.)

“Science, Medicine and Society” (3 sections, 22 students per section.)

“Modernist Art and Literature” (1 section, 15 students per section.)

PROFESSIONAL EMPLOYMENT

- | | |
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| 2019-present | <p><i>Senior Technical Writer, Commercial/Product and Strategy</i>
Talis Biomedical Corporation
Menlo Park, CA</p> <ul style="list-style-type: none"> • Managed documentation team to deliver accurate and concise high-quality documentation that met required timelines. • Developed documentation infrastructure for Talis. |
|--------------|--|

- Worked with Assay Development, Quality, Regulatory and Engineering to enable well-organized reviews, assemble feedback and implement revisions.
- Set up document version control system with FDA compliance that led to a system of controlled versioning of and centralized system of storage for documents.
- Created Quick Reference Instructions, Package Inserts, and User Guides for Talis suite of products.
- Created Style Guides for the documents I prepared.

2017

Technical/Regulatory Writer
Kite Pharma--Remote

- Edited, revised, and provided scientific content for manuscripts on CAR T-cell therapy and cancer immunotherapeutics and submitted to *Nature Medicine*.
- Created and wrote pre-clinical study reports from CRO data

2014-2017

Technical Writer/Business Analyst, Technical Publications
Cepheid
Sunnyvale, CA

- Wrote US-IVD, CE-IVD, and RUO package inserts, user manuals, and procedures for Cepheid suite of products and product launches for Technical Publications team with Regulatory, Marketing, Clinical Affairs, Engineering, Virology, Oncology, Research and Development and Product Management under FDA and CE guidance.
- Extensively involved in Cepheid product launches for lifecycle documentation.
- Individually implemented XMetaL software suite for Technical Publications team to enable documentation publishing on mobile device for GeneXpert Omni product launch.
- Instrumental on the finalization of the urgently required MTB/RIF package insert after rapid FDA clearance.
- Produced Cepheid competitors' technologies market report for distribution to Global Marketing Franchise Leaders.
- Performed usability testing on pre-market Oncology assay and implementing usability studies on Cepheid molecular assays.
- Created GeneXpert Omni User Manual in XML for mobile device publication.
- Used Adobe FrameMaker, Photoshop and Illustrator.
- Used Agile to electronically manage documents.

- Received two Make It Happen performance award commendations from management
- Received Commitment to Action award for performance on Bladder Cancer CE-IVD Product Launch

2014

Technical Writer, Technical Publications
Life Technologies
South San Francisco, CA

- Wrote user manuals, product inserts and quick reference cards on Ion Torrent products using XML/DITA. platform Wrote library prep user manuals for the Ion Proton and Ion Personal Genome Machine.
- Used Agile to electronically manage documents.

2013

Technical Writer, Labeling
Hospira
San Jose, CA

- Developed technical service manuals for the latest medical device product launches.
- Used information from various subject matter experts ranging from Mechanical and Systems Engineering, Software Engineering, Electrical Engineering to Regulatory and updated product manuals for launches.
- Became expert at unstructured Adobe FrameMaker to write documentation on time.

2012-2013

Sr. Technical Writer, Global Marketing
Affymetrix
Santa Clara, CA

- Worked with Research and Development, Quality Assurance, and Marketing teams to write end-user documentation, reference cards and brochures for launches around OncoScan, Cytoscan Dx, Axiom 384 and Axiom Target Split products.
- Solved document management issues that enabled launching on time.
- Assisted with 510K FDA regulatory submission for Cytogenetics Division.

- Wrote technical documentation for Nexus for OncoScan software.
- 2010-2012 *Staff Research Associate, Department of Microbiology, Immunology and Molecular Genetics*
University of California, Los Angeles
PI: Arnold Berk, MD
- Conducted laboratory research to elucidate the molecular mechanisms behind transcriptional regulation of adenoviral genes using RT-PCR, ChIP, ChIP-seq, and site-directed mutagenesis.

HONORS/AWARDS

- **Named one of TiEcon 2017 Influencers of the Year**
- **September 26, 2016:** Received Commitment to Action award for performance on the Bladder Cancer CE IVD Product Launch at Cepheid.
- **April 25, 2016:** Received Make it Happen performance commendation for performance on Omni mobile publication and XMetaL team training from Technical Publications management at Cepheid.
- **2012 Social Justice Initiative Award,** \$1500 grant awarded by faculty committee at UCLA to study science and social justice.
- **Travel award** (500 euros) for 2010 Language as Scientific Tool Conference sponsored by the Austrian Academy of Sciences.
- **Travel award** (\$200) for 2010 Society for Literature, Science and Arts Conference.
- **Travel award** (\$1500) for 2010 Genetics and Ethics in the 21st Century Conference.
- **Awarded scholarship to participate in the *Institut d'études françaises d'Avignon*** during Summer 2004 based on academic merit and financial need sponsored by Bryn Mawr College.
 - Intensive immersion in French language and culture in Avignon, France
 - Took courses in French political history and French literature
 - Participated in the Avignon Festival and received the *Prix d'Honneur du Spectateur*
- **Bayer Foundation Grant, 2003-2004.** This grant subsidized a graduate fellowship to study Medical Humanities at the UC San Diego School of Medicine.
- **Federal Government Reserves 501, Department of Labor, 2001.** This federal grant subsidized studies leading to a Certificate in Bioinformatics at UC Santa Cruz.

- **Earle C. Anthony and UC Davis Graduate Fellowship, 1997-1998.**
- **Waterhouse Research Grant.** This grant subsidized Laboratory Research Training at Yale University, Department of Molecular Biology and Biophysics.

EDITORIAL BOARD MEMBER

- *International Journal of Genetics and Genomics*, until December 2021
- *Future Oncology*

SERVICE

- Volunteered at the Veterans Administration Hospital in Menlo Park, CA on Christmas Day 2015.
- Served on the Enhancing U.S. Competitiveness Task Force Committee at UCLA, Winter 2012.
- Participated in Luskin Day at UCLA, Winter 2012. Interviewed civic and community leaders in Los Angeles on the subject of creating jobs in Los Angeles and prepared report for City Comptroller.

LANGUAGES

- French: Read and write fluently

SOCIETY MEMBERSHIPS

- Modern Language Association
- Society for the Study of the Social Studies of Science
- Modernist Studies Association
- Society for the Study of Narrative Literature
- American Comparative Literature Association
- Society for the Philosophy of Science in Practice
- American Society of Hematology
- Semiotic Society of America
- South Atlantic Modern Language Association
- Society for Literature, Science and Arts
- American Society of Clinical Oncology
- Society for Immunotherapy of Cancer
- American College of Medical Genetics and Genomics
- Personalized Medicine Coalition