

CURRICULUM VITAE

HANNA ROSE SHELL

DEPARTMENT: STS

DATE: October 2016

DATE OF BIRTH: January 20, 1978

CITIZENSHIP: United States, Canada

EDUCATION

DATE	DEGREE	INSTITUTION
2007	PhD, History of Science	Harvard University
2002	M.A., American Studies	Yale University
1999	A.B., History and Science <i>summa cum laude</i>	Harvard College

TITLE OF DOCTORAL THESIS: Hide and Seek: Camouflage, Animal Skin, and the Media of Reconnaissance, 1859-1945

FELLOWSHIPS AND HONORS

2011	Millard Meiss Publication Award
2009	Honored Filmmaker Award, Museum of Modern Art
2008-2010	William F. Milton Fund Award
2008	Best Filmmaker Award, Science Cinema International Festival of Science Filmmaking
2008	Outstanding Short Film Award, Museum of Modern Art (New York, NY)
2007-2011	Junior Fellowship, Harvard Society of Fellows
2007	Predoctoral Fellow, Max Planck Institute for the History of Science (Berlin)
2007	Best Documentary Award, Brooklyn Council International Film Festival
2007	Best Musical Score Award, Rhode Island International Festival
2006	Mellon Institute for Historical Research Dissertation Fellowship
2006	U.S. Army Dissertation Fellowship in Military History and Material Culture
2006	U.S. Army Military History Fellowship in Material Culture
2005	Massachusetts Foundation for the Humanities Media Production Award
2005	Massachusetts Foundation for the Humanities Media Award
2005	Minda de Gunzberg Center for European Studies Summer Research Award
2005	Best of Festival Award, Lago International Film Festival

2004-2006	Fellow in Filmmaking, The Film Study Center at Harvard
2004	Charles Warren Center for Studies in American History Fellowship
2004	Jewish Studies Center at Harvard Research Fellowship
2003	Harvard Graduate Society Award for Study and Travel
2003	Best Graduate Student Paper award, American Academy of the Sciences Pacific Division
2002-2006	Jacob K. Javits Fellowship from the U.S. Department of Education
2001-2002	Andrew W. Mellon Foundation Fellow in Humanistic Studies
1999	Thomas Temple Hoopes Prize and highest marks (<i>summa cum laude</i>) on senior thesis
1998	Elected to Phi Beta Kappa in the junior year

PROFESSIONAL EXPERIENCE

ACADEMIC POSITIONS

2015–	Associate Professor in Science, Technology and Society, MIT Affiliated Faculty, Comparative Media Studies Faculty Fellow, MIT Open Documentary Lab
2012–2015	Leo Marx Career Development Associate Professor in STS, MIT
2011–2012	Leo Marx Career Development Assistant Professor in STS, MIT
2008–2011	Assistant Professor in STS, MIT
2007–2011	Junior Fellow, The Harvard Society of Fellows
2005–2006	Visiting Professor in History, Rhode Island School of Design (RISD)

NON-ACADEMIC POSITIONS

2013–	Commissioning editor, <u>Technology and Culture</u>
2008–	Curator at Machine Project (Los Angeles); Boston Harbor Art Alliance; Harvard Museum of Natural History (Museum of Comparative Zoology); The Aviary Gallery (Boston); List Visual Arts Center at MIT
2005–	Director and producer, Fabrik Films/Third World Newsreel

SEMINARS, COLLOQUIA, ETC.

Selected Invited Presentations

December 2016	"Hiding in Plain Sight," Keynote speaker at "Deception," a conference organized by the Department of History of Art and Architecture at Harvard, Cambridge, MA
June 2015	"No End of Wonders: A Celebration of the work of Professor of Katharine Park," invited speaker and panel co-chair, co-organized panel titled "A Cabinet of Wonders," Harvard University, Cambridge, MA
January 2015	"Media Fabric in Art History and Art Practice," invited speaker at the Department of Film and Media Studies, and the Department of the History of Art and Visual Culture, University of California at Santa Cruz, Santa Cruz, CA
May 2014	"The History of Waste and Recycling," invited campus-wide speaker, Pratt Institute, Brooklyn, NY
March 2014	"Shoddy," colloquium speaker, Lit-Tech Colloquium Series, Literature Department, MIT, Cambridge, MA
March 2014	"Book-Film-Fabric," faculty fellow presentation, Open Documentary Lab at MIT, Cambridge, MA
May 2013	"Camouflage Media and History," invited speaker at symposium "Materiality: Objects and Idioms in Historical Studies of Science and Technology," York University, Toronto, Canada
March 2013	"Media Fabric: Shoddy and Beyond," special lecturer for the "Fashion Cultures Symposium," School of Art and Design History and Theory, Parsons The New School of Design, New York, NY
December 2012	"A Symposium on the History, Philosophy, and Sociology of Science: 50th Anniversary of Thomas Kuhn's <u>The Structure of Scientific Revolutions</u> ," co-organizer, Harvard University and MIT, Cambridge, MA
November 2012	"Digital Media in Science and Technology Studies," co-organizer and commentator, San Diego, CA
September 2012	"Len Lye and Direct Animation and Camouflage in Film," invited speaker for "Animation Across the Disciplines," University of Pennsylvania, Philadelphia, PA
September 2012	"Hide and Seek," invited speaker at the Center for New Media and the Program in Science, Technology and Society, University of California at Berkeley, Berkeley, CA
June 2012	"Aqua Kinema" and "Hide and Seek," invited lecturer and leader of film workshop "Secondhand (Pèpè)," HUMLab, Umeå University, Umeå, Sweden
May 2012	"Hide and Seek: Camouflage, Photography, and the Media of Reconnaissance," special lecturer, Program in Science, Technology, and Society, Stanford University, Palo Alto, CA

May 2012	“Camouflage Media and Skins of Nature,” invited speaker, Cultural Studies Colloquium, Science & Technology Studies, University of California at Davis, Davis, CA
May 2011	“Skins of Nature and Emulsion,” invited speaker, part of the AHRC Research Network “Cultures of Preservation: Taxidermy – Animal Skin and Colonial Practice” event, Natural History Museum, London, UK
April 2011	“The Obscure: Photographing,” invited speaker, part of the “Sensing the Unseen” John E. Sawyer Seminar on the Comparative Study of Cultures, MIT, Cambridge, MA
April 2011	“Refashioning Identity: Secondhand Clothing in Haiti,” keynote address for the Mid-America American Studies Association Annual Conference “The Life of the Object,” University of Wisconsin at Madison, Madison, WI
January 2011	“(In)Visible: Spaces, Bodies Worlds,” festival curator and featured lecturer, Science Film Festival, Ritsumeikan University, Kyoto, Japan
May 2010	“Mediating War and Technology,” invited presenter, Communication History Interest Group, International Communication Association “preconference” event, Boston, MA
April 2010	“Lives and Afterlives of the Social Fabric,” keynote presentation for the symposium “Secondhand Culture: Waste, Value, and Materiality” Bard Graduate Center, New York, NY
December 2009	“Art and Science: Platform 1: Tempest Prognosticator,” special event speaker, deCordova Museum and Sculpture Park, Lincoln, MA
September 2009	“How Not to be Seen on Film,” invited speaker, Comparative Media Studies Program Colloquium Series, MIT, Cambridge, MA
August 2009	“Creeping into the Frame of Scientific Cinematography,” featured lecture for the symposium “Visible Evidence XVI,” University of Southern California School of Cinematic Arts, Los Angeles, CA
July 2009	“Productive Mimesis and the Art of Disappearance,” colloquium speaker at “Performing Science: Science and Theater in the Modern Age,” Annenberg School for Communication, University of Pennsylvania, Philadelphia PA
June 2009	“Salvage and Art,” invited presentation and screening, Featured Filmmaker Series in collaboration with Third World Newsreel, Museum of Modern Art, New York, NY
May 2009	“Secondhand (Pèpè),” invited lectures and screenings at Fondation Connaissance et Liberté (FOKAL), Open Society Institute, Port-au-Prince, Haiti, and at Ciné Institute, Jacmel, Haiti

May 2009	“Textiles and Technologies,” Bibliothèque du Soleil, Carrefour Feuilles, Haiti
April 2009	“Hide,” keynote address for the conference, “Cinema, Nature, Ecology,” Department of Cinema and Media Studies, University of Chicago, Chicago, IL
April 2009	“Filmcraft as Fieldcraft: Environmental Camouflage and the Media of Reconnaissance,” invited speaker, Environmental Sciences/STS Colloquium Series, Sarah Lawrence College, Bronxville, NY
March 2009	“Lives and Afterlives of the Social Fabric,” invited lecturer, Caribbean Studies Forum, Smith College, Northampton, MA
March 2009	“Camouflage Media,” special lecture, Department of Art and the History of Art, Amherst College, Amherst, MA
February 2009	“Rags, Bones, Bottles,” a presentation at the Documentary Fortnight Symposium, Museum of Modern Art (MOMA), New York, NY
February 2009	“Cross-Cultural Filmmaking: Secondhand,” a public lecture for the City of Arlington, Arlington, VA
July 2008	“Industrial Melanism,” invited lecturer and workshop organizer, Machine Project, Los Angeles, CA
May 2007	“Hide and Seek: Camouflage and Modern War,” colloquium presentation at the Department of War Studies at Kings College, London, UK
August 2006	“Camouflage and the American Military,” special lecture at the United States Army Center for Military History Lecture Series, Washington, D.C.
July 2006	“The Making of Materials: Science and Technology in the Seventeenth and Eighteenth Centuries,” discussant at international workshop, Max Planck Institute for the History of Science,” Berlin, Germany
February 2006	“Locomotion in Art and Water,” Boston University School of Visual Arts, Boston, MA
February 2006	“Art/Science Collision: Taxidermy,” co-presented with Hiroshi Sugimoto and Steve Quinn, American Museum of Natural History, New York, NY
November 2005	“Old Clothing as Wearable Technology,” lecture at MIT Media Lab, Cambridge, MA
November 2005	“Deleuze under Water: On Cinema’s Post-Modern Assembly.” Interval: A Media Studies Conference/Confluence at SUNY, Buffalo, NY
August 2004	“Locomotion in Water” and “On the Panorama,” Max Planck Institute for the History of Science, Berlin, Germany

June 2003 “Embodying Extinction,” special prize speaker, American Association for the Advancement of Science Pacific Division Annual Meeting, San Francisco, CA

Conference Presentations

Society for the History of Technology (October)

- 2015 “A History of Technology Beyond Words,” part of panel “Digital Histories of Technology,” at the Annual Meeting of SHOT in Albuquerque, NM
- 2013 “Shoddy,” part of panel “Salvage Technology: Reuse and Repurposing in the History of Technology,” at the Annual Meeting of SHOT in Portland, ME
- 2009 “Old Clothing as Portable Technology: Lives and Afterlives of the Social Fabric,” part of panel on “Mobilities” at the Annual Meeting of SHOT in Pittsburgh, PA

Session organizer: Society for the History of Technology annual meetings

- 2013 “Salvage Technology,” Society for the History of Technology Annual Meeting

History of Science Society (November)

- 2016 “Skin as Screen: Real-Time Color Change and Cinematic Apparatus in Neurophysiology (1900-1950),” at the Annual Meeting of HSS in Atlanta, GA
- 2012 “Thinking with Audio-visual Media in the History of Science,” and “Len Lye, Experimental Film and the Inculcation of the Documentary Subject” at the Annual Meeting of HSS in San Diego, CA
- 2007 “Chameleonic Cinema: Filming the Science of Strategic Concealment,” at the Annual Meeting of HSS in Washington D.C.
- 2006 “Productive Mimesis and the Art of Disappearance: Abbott H. Thayer, Protective Coloration in Nature, and the Modeling of Strategic Invisibility (1890-1920),” at the Annual Meeting of HSS in Vancouver, Canada
- 2004 “Hide: Reframing Wartime Natural History and the AMNH Alaska Brown Bear Group,” at the Annual Meeting of HSS, in Austin, TX
- 2003 “Casting Life: Bernard Palissy’s Occupation between Maker and Nature,” at the Annual Meeting of HSS in Cambridge, MA
- 2002 “The Soul in the Skin: William Temple Hornaday and the Buffalo Group,” Annual Meeting of HSS, in Milwaukee, WI

Session organizer: History of Science Society annual meetings

- 2012 Chair and organizer (with W. Rankin and A. Wellerstein) "Writing the History of Science through Maps, Films, and other Visual Media," at the Annual Meeting of the History of Science Society, San Diego, CA

Plenary Session organizer: History of Science Society annual meetings

- 2007 Plenary Session Organizer and Chair, "Science & Cinema: Audio-Visual Science Pedagogy," at the Annual Meeting of the History of Science Society, Washington D.C.

Society for Cinema and Media Studies (March)

- 2008 "Experiments in Mimicry: Animal Camouflage, Chameleonic Film, and the Direct Animations of Len Lye and Stan Brackage," part of "Biologies of the Avant-Garde" panel (organized by Jennifer Fay), at the Annual Meeting of SCMS, in Philadelphia, PA
- Screenings: Locomotion in Water and Secondhand (Pèpè).
- 2007 "How Not to Be Seen: the Disappearance of the Subject in Scientific Military Training Films," part of "The Cinema as Educator" panel (organized by Oliver Gaycken), in Chicago, IL

Selected Film Exhibitions

- 2007- Secondhand Pèpè,
 Museum of Modern Art, New York, NY
 Slamdance Film Festival, Park City, UT
 Black Maria Film and Video Festival, Jersey City, NJ
 Harvard Film Archive, Cambridge, MA
 Rhode Island International Film Festival, Providence, RI
 Film Festival Jakmel, Jakmel, Haiti
 African and Diaspora Film Festival, Montreal, Canada
 Orphans Documentary Film Symposium, New York, NY
- 2005 Locomotion in Water,
 Anthology Film Archives, New York, NY
 Black Maria Film and Video Festival, New York, NY
 Naples International Film Festival, Naples, Italy
 Jane Voorhees Zimmerli Art Museum, New Brunswick, NJ
 Institut de Cinématographie Scientifique, Paris, France
 Visible Evidence XVI, Los Angeles, CA
 Vedere la Scienza, Milan, Italy
 Touring Series of Vedere la Scienza, throughout New Zealand and Australia
 School of Image Arts, Ritsumeikan University, Kyoto, Japan
 Lago International Festival of Short Films, Revine Lago, Italy

FIELDS OF INTEREST AND RESEARCH

History of Science, Technology, and the Environment

Film and Media Studies

Museum and Material Culture Studies

Textiles and Wearable Technology

Recycling and Sustainability

Documentary, Interactive and Experimental Film

PROFESSIONAL ORGANIZATIONS AND SERVICE

Professional Organizations

Society for the History of Technology (SHOT)

History of Science Society (HSS)

Society for the Social Study of Science (4S)

Society for Cinema and Media Studies (SCMS)

International Communication Association (ICA)

Professional Service

2015-2016	Ferguson Chair, SHOT
2015	Da Vinci Prize Committee, SHOT
2014-	Film and Media Editor, <u>Technology and Culture</u>
2014-	Advisory Board: <u>Catalyst: Feminism, Theory, and Technoscience</u>
2013-	Ferguson Book Prize Committee, SHOT
2013-	DigitalSTS initiative, for the <u>digitalSTS Handbook and Field-guide</u> , 4S
2011-	Manuscript Reviewer, MIT Press, University of Chicago Press, Harvard University Press
2008-	Peer Reviewer: <u>Isis</u> , <u>Environmental History</u> , <u>History and Technology</u>
2007-2009	Steering Committee, Forum for the History of Science in America, HSS
2006-2012	Advisory Board, Berwick Research Institute, Boston, MA

MIT ACTIVITIES AND COMMITTEES

Departmental (STS) and School Activities and Committees

2016-2017	STS Committee on Honors and Prizes
2015-	SHASS de Florez Fund for Humor Committee
2015-2016	Organizer and host for STS Seminar colloquium series (with M. R. Smith)
2013-2014	Committee on Website Redesign
2012-2013	Committee on Faculty Affiliates
2011-2013	Siegel Teaching Prize Committee
2011-2012	STS Undergraduate Officer
2011-2012	SHASS Education Advisory Committee (SHEAC)
2009-2010	Undergraduate Curricular Reform Committee, STS Program
2009-2010	Benjamin Siegel Writing Prize Committee
2009-2010	Co-organizer of joint MIT STS /Harvard History of Science Department colloquium on the topic of “Fingers, Eyes and Screen: Science, Art and Media”
2011-2012	STS Undergraduate Officer
2010	Fundraising for MIT Institute for the Automobile and Society
2010	Siegel Prize Committee, HASTS Doctoral Program
2009-present	Graduate Admissions, HASTS Doctoral Program

Institute Activities and Committees

2012-2014	Task Force on the Future of MIT Education Working group “Future Global Implications of edX”
2010	Automobile Initiative/Revs Institute Outreach Committee
2010-2013	GWAMIT mentor for female graduate students
2009-2015	Faculty Advisor Institute Council for the Arts

PUBLISHED MATERIALS

Books

- 2014 Ni vu ni connu (French Translation of Hide and Seek): Brussels: Zones Sensibles (256 pp.)
- 2012 Hide and Seek: Camouflage, Photography and the Media of Reconnaissance. New York: Zone Books (distributed by MIT Press) (240 pp.)
- 2002 (editor with notes and introduction) Extermination of the American Bison [1886]. Washington: Smithsonian Institute Press (240 pp.)

Articles in Refereed Journals (peer reviewed)

- 2015 "Shoddy Heap: A Material History Between Waste and Manufacture," History and Technology, 30:4 (Spring): 374-394.
- 2013 "Ciné-History and Experiments on Film," Journal of Visual Culture, 11 (Winter): 288-306.
- 2012 "Blind: The Phenomenology of Camouflage," Sensate: A Journal for Experiments in Critical Media Practice, (December).
- 2012 "Locomotion in Water," Journal of Short Film, (Spring): peer-reviewed DVD publication.
- 2006 "Textile Skin: Lives and Afterlives of the Social Fabric," Transition, 96 (Fall): 151-163. (Featured in Wilson Quarterly and Chronicle of Higher Education.)
- 2005 "Casting Life, Recasting Experience: Bernard Palissy's Occupation between Maker and Nature," Configurations, 12 (Winter): 1-40.

Articles in Refereed Journals (essays)

- 2016 "Digital Histories of Disaster," Technology and Culture, 56 (January). Co-authored with Lisa Onaga.
- 2015 "Technologist-Historian: Data Visualization Meets the Archive," in Technology and Culture, 55 (January 2015): 204-208. Co-authored with Alex Wellerstein.
- 2014 "Films in the Archive: The Prelinger Collection and Hollywood in Detroit," Technology and Culture, 55 (July): 711-715.
- 2014 "Beyond Words: Audio-Visual Media in the History of Technology," Technology and Culture, 55 (April): 477-478.

Chapters in Books

- 2013 "A Global History of Secondhand Clothing," in Henry Jenkins, Sam Ford, and Joshua Green, ed., Spreadable Media: Creating Value and Meaning in a Networked Culture, New York: NYU Press, 2013, peer-reviewed online publication.
- 2010 "Earthworks: The Ceramic Display of Natural Knowledge in Clay," in Ursula Klein and Emma Spary, ed., Materials and Expertise in Early Modern Europe, Chicago: University of Chicago Press, pp. 50-70.
- 2005 "Things Under Water: Etienne-Jules Marey's Aquarium Laboratory and Cinema's Assembly," in Bruno Latour and Peter Weibel, ed., Dingpolitik: Atmospheres of Democracy, Cambridge: MIT Press, pp. 326-332.
- 2004 "Skin Deep: Taxidermy, Embodiment and Extinction," in A. Leviton, ed., The Past, Present and Future of Natural History, San Francisco: California Academy of Sciences, pp. 88-112.
- 2002 "Soul in the Skin: William T. Hornaday and the Buffalo Group, 1896-1996," in The

Extermination of the American Bison [1889] by W. T. Hornaday, Washington DC: Smithsonian Institution Press, 2002, pp. vii-xxii.

Multimedia publication

- 2015 Shoddy Aliens, (Fabrik Films)
- 2007 Secondhand Pèpè, (Fabrik Films, released by Third World Newsreel), Writer, Producer and co-director.
- 2005 Locomotion in Water, (Fabrik Films in association with Zentrum für Kunst und Medientechnologie Karlsruhe ZKM), Writer, Director and Editor. Produced in association with ZKM.

Selected General Audience Publications

- 2016 “Leftovers: Devil’s Dust,” Cabinet: A Quarterly Journal of Art and Culture, 60 (Fall): 1-8.
- 2009 “The Crucial Moment of Photographic Deception: Abbott Handerson Thayer’s Law of Protective Coloration,” Cabinet: A Quarterly Journal of Art and Culture, 33 (Spring): 17-30.
- 2009 “It Came from the East: Oriental Bittersweet and Botanical Invasion,” Bidoun, 17 (Summer 2009): 81-85.
- 2007 “Ole Cloes,” Thresholds, 34 (Fall 2007): 67-70.
- 2004 “The Face of Extinction: The Case of Martha the Last Passenger Pigeon,” Natural History Magazine, (May 2004).
- 2002 “The Last Wild Buffalo,” Smithsonian Magazine, (February 2000): 26-32.

Selected Book Reviews

- 2011 “A Séance for Science,” a review of Radioactive: A Tale of Love and Fallout (New York, Harper Collins, 2010) in Science, 332: 176-177
- 2008 Review of Films of Fact: A History of Science in Documentary Films and Television (London: Wallflower Press, 2008) in Isis, 99:4 (December 2008): 865-866
- 2002 Review of Science is Fiction: The Films of Jean Painlevé (Cambridge: MIT Press, 2000) in Documentary Box, 18: 30-31.

Selected Art Exhibitions

- 2017 “Hiding in Plain Sight,” curation of show at List Visual Arts Center at MIT, Cambridge, MA, July 22-October 28
- 2015 “34,” a group show at Boston Sculptors Gallery, Boston, MA, June-July
- 2012 “Camouflage,” solo show of work in collage, photography, and video at Aviary Gallery Boston, MA, June-July
- 2011 “(In)Visible: Spaces, Bodies, Worlds,” Ritsumeikan University Kyoto, Japan, January-March
- 2009 “Natural Histories of Blindness,” video installation at the Harvard Museum of Natural History as part of the exhibition “Bizarre Animals,” Harvard University, Cambridge, MA, March
- 2008 “The Camoufleurs,” public artwork and performance piece at Bumpkin Island Artist Encampment, in collaboration with the Island Alliance, the Berwick Research Institute, and Studio Soto, Boston, MA, August
- 2008 “Industrial Melanism,” Installation and screening series at Machine Project Gallery, Los Angeles, CA, July
- 2005 “Aqua Kinema,” featured in the exhibition Making Things Public curated by Bruno Latour and Peter Weibel, Zentrum für Kunst und Medientechnologie Karlsruhe, Germany

UNPUBLISHED MATERIALS

Works in Progress

- 2017 Shoddy: Textiles, Technology, and Identity in Rags, Chicago: University of Chicago Press (c. 250 pp.)
- 2017 DigitalSTS: A Handbook and Fieldguide, co-editor with With J. Vertesi, D. Ribes, Y. Loukissas, L. Forlano, C. DiSalvo, D. Rosner and S. Jackson, Princeton: Princeton University Press (c. 400 pp.)

TEACHING

Graduate Seminars, 2010-present

Doctoral Program Seminar	for HASTS (History, Anthropology, and STS) at MIT
STS.756	Experiments on Film: Science and Technology
STS.310	Introduction to the History of Science
STS.260	Introduction to Science and Technology Studies (HASTS requirement)
STS.390	Research and Writing Seminar in Science and Technology Studies

Undergraduate Courses, 2006-present

STS.056	Science on Screen (upper division seminar)
	Science and the Cinema: Experiments on Film
STS.008	Technology and Experience (lower division seminar)
	Wearable Technology and Human Experience
STS.003	The Rise of Modern Science (large lecture course, co-taught)
RISD S505	Making Science: Models, Images, and the Production of Knowledge

UROPS

- 2013 Wei Zhao, “Research in Digital Humanities: Media Fabric”
2012 Jaime Chung, “History of Secondhand Textiles”

LIST OF THESES SUPERVISED

Doctoral Program in History, Anthropology, and Social Science (HASTS), MIT

Grace Kim. Committee member since 2014. Exams committee 2015.

Alison Lawrence. Exams committee, 2015.

2nd year papers: Lan Li, Ellan Spero, Richard Fadok.

M.S.

- 2013 Jia Zhang, “Information Visualization as Creative Nonfiction” (Masters of Science [M. Sci.] in Comparative Media Studies)
2010 Gina Badger, “Oysters and Fieldwork: On Making Sense” (Masters of Science [M. Sci.] in the MIT Program in Art, Culture, and Technology) – Committee member

External Programs

- 2005 Rebecca Wexler, “Sociobiology and Feminist Science Activism” (A. B. History and Science, Harvard College) – Thesis advisor