

C.V. AND LIST OF PUBLICATIONS

**DR. PNINA GERALDINE ABIR-AM**

Website: <http://people.brandeis.edu/~pninaga>

7/20/07

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**DESCRIPTION OF RESEARCH AREAS:** (Comparative history of science & women in science)

1. **History and Policy for Women and Gender in Science;** history of wo/men scientists in the US, UK, France, & Israel; wo/men scientists as public intellectuals; Gender & Ethnicity for American Jewish women scientists; (Publications: p. 5-9; highlights: History of Science Society Awardee; reviewed in *American Historical Review*, *Science*, *History of Science*).
2. **History and the Politics of Collective Memory;** commemorative practices in science and society; comparative studies of American, British, and French anniversaries of scientific discoveries. (Publications: p. 5-9, incl. special issue)
3. **Philanthropic Foundations and Science Policy;** public versus private investment strategies. (Publications: p. 5-9, incl. special issue devoted to my work; leading scholar on the Rockefeller Foundation).
4. **History of Molecular Biology and Biotechnology.** (Publications: p. 5-9; over 30 essays; forthcoming monograph; special issue devoted to my work).

**RESEARCH EXPERIENCE:**

- **Brandeis University & NSF-SGER-STC & other Programs:** "Lessons from the Public Debate on the Under-representation of Women in Science", Principal Investigator, 2005-.
- **NLM-NIH, Principal Investigator,** "The reception of the discovery of DNA structure since the 1960s: History and Memory", **9/2007-9/2010.**
- **NSF-STC,** "DNA at 50: Origins of a Transdisciplinary Discovery in light of new archives", Principal Investigator, 2005-07.
- **Brandeis University/HBI:** "Mildred Cohn & Esther Lederberg: Comparing the careers of two American Jewish Women Scientists",/ HBI Awardee, 2004-.
- **Northeastern University, Program in Women's Studies,**"Gender & Cultural Memory: Dorothy Hodgkin in UK, India, & China", Visiting Scholar, 2003-04.

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**RESEARCH EXPERIENCE: (continuation)**

- **Rockefeller University**, Scholar-in-Residence at Rockefeller Archive Center, 2001- 03; the Rockefeller Foundation's funding of science in US & Europe.
- **CNRS-CSI-CRHST**, Paris, Directeur-de-recherche, 2000, 1993. (Comparative Studies of French and American research schools of molecular biology)
- ◆ **University of California at Berkeley**, NSF Visiting Associate Professor, Departments of History and Women's Studies, 1997-1999; (Gender & Leadership in Science; Wo/men scientists as public intellectuals in the NAFTA countries)
- **M.I.T./ The Dibner Institute** for the History of Science and Technology, Resident Fellow, 1995-96. (History of Protein Structure in US and UK)
- **Harvard University**, Department of the History of Science, Post-doctoral Fellow, 1985-89; (Research schools of molecular biology in the US, UK, & France: National traditions or transnational strategies of innovation)

**TEACHING EXPERIENCE:** (courses on the history of women and gender in science; the history of molecular biology & biotech; and introductions to history, philosophy and sociology of science; mostly for undergraduate students)

- **University of California at Berkeley**, NSF Visiting Associate Professor, Departments of History and Women's Studies, 1997-1999.
- **University of Ottawa, Joint Chair of Women's Studies**, (a bilingual, rotating position shared with Carleton University) 1997.
- **The Hebrew University of Jerusalem**, Visiting Professor, Programs in History, Philosophy and Sociology of Science & Women's Studies, 1996.
- **The Johns Hopkins University**, NSF Visiting Associate Professor, Department of History of Science, Technology, and Medicine; Program in Women's Studies, 1991-1993.

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**EDUCATION:**

- **Universite de Montreal**, Institut d’Histoire et de Sociopolitique des Sciences, Ph.D. 1984. (Adviser: Camille Limoges)
- **University of London** - The Wellcome Institute for the History of Medicine, Wellcome Research Fellow, 1983-84. (Sponsor: William F. Bynum)
- **University of Pennsylvania in Philadelphia**, Department of History & Sociology of Science, Exchange Graduate Student, 1975-1977.
- **The Hebrew University of Jerusalem:**
  - M.Sc. in History & Philosophy of Science. (1976, suma cum laude)
  - B.Sc. In Chemistry & Biology, 1972.
  - Diplome in Science Teaching, 1973.

**Awards and prizes:**

Award for “outstanding research in the history of women in science”, History of Science Society.

**PROFESSIONAL ACTIVITIES:**

- ! Referee for books: Harvard, Oxford, Yale, Rutgers. (University Presses)
  - ! Referee for journals:
    - OSIRIS; (Member of the Editorial Board, 1995-2000) – *ISIS*; - *History and Philosophy of Life Sciences*; - *Science, Technology & Human Values*; - *Social Epistemology*; among others.
  - Referee for research grants:
    - National Science Foundation (HPS, STS, EVIST, Sociology; Anthropology Programs).
    - National Endowment for the Humanities, Washington D.C.
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**PROFESSIONAL ACTIVITIES:** (continuation)

- Organizer &/ or speaker in sessions at congresses, conferences: (most recent only)
  - # History of Science Society: WDC/ 2007; MNPLS./2005; Cambridge, MA. /2003.
  - # American Historical Association, Atlanta, GA., January 2007.
  - # Society for History of Technology, Las Vegas, NV. October 2006;
  - # American Association for the Advancement of Science, Denver, Colorado, 2003.
  - # International Union for History of Science, Beijing/2005; Mexico City/2001

Recent invited lectures in the US: (selected)

- Duke University, 02/09/05;
- Notre Dame University, 09/09/04;
- University of Minnesota, 09/12/04;
- University of California at Berkeley, 04/09/04;
- Georgia Tech, Atlanta, 01/23/04;
- University of Minnesota, MNPLS, 09/12/03
- Indiana University, Bloomington, 09/05/03;
- University of Indiana, Indianapolis, 09/02/03.
- Rockefeller University, New York City, 05/14/03.

Guest lecturer - international experience: (in alphabetical order of countries)

- (Departmental colloquia in universities): Canada, France, Holland, Israel, Italy, Mexico, Portugal, Switzerland, UK.
- International conferences: Belgium, Canada, Czech Republic, France, Germany, (June 2007) Holland, (February 2007) Greece, (July 2007) Italy, Mexico, Romania, Spain, Sweden, UK. (July 2007)

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## PUBLICATIONS:

### Books:

- I) *Gender and Cultural Memory: Remembering Women Scientists in Europe, the Americas, China, and India.* (2008)
- II) *'DNA at 50': History and the Ethics of Cultural Memory in US, UK, and Elsewhere.* (2007)
- III) - *Research Schools of Molecular Biology in US, UK, and France: A Historical Ethnography of Transnational Discoveries, Leadership, and Policy in the 20th Century.* (A multi-volume series; work-in-progress, digital conversion, forthcoming)

### Collections of Essays, Edited or Co-edited:

- IV) - *Commemorative Practices in Science: Historical Perspectives on the Politics of Collective Memory* (Chicago: Chicago University Press, 2000), as vol. 14 of OSIRIS, an official publication of the History of Science Society; edited with C.A. Elliott.  
Reviewed in: *British Journal for the History of Science*, 12/2001; - *ISIS*, 09/2001.
- V) - *La Mise en Memoire de la Science: Pour une Ethnographie Historique des Rites Commemoratifs*, sous la direction de Pnina G. Abir-Am, (Paris: Editions des Archives Contemporaines/ Gordon & Breach Publishers, 1998).
- VI) - *Creative Couples in the Sciences* (New Brunswick/NJ and London: Rutgers University Press, 1996, edited with H.M. Pycior and N.G. Slack; reviewed in, among others: *American Historical Review*; *Science*; *Medical Technology*; *Nuncius*. (Florence)
- VII) - *Uneasy Careers and Intimate Lives, Women in Science, 1789-1979*, (New Brunswick/ NJ & London: Rutgers University Press, 1989 & 1987); edited with D. Outram; reviewed in *History of Science*, *Science*, *Science and Society*; *Contemporary Sociology*; *In the Times*; *Nuncius*.

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PUBLICATIONS: (Continuation)

ARTICLES: (selected out of 33; for a full list see above website; for a list of papers on “Gender & Women in Science” only, click on button “Publications by research area”/ Women & Gender in Science.

1) “Gender and Cultural Memory: Remembering Dorothy Hodgkin in England, India, and China” (forthcoming; under revision for *ISIS*, read at the IUHPS-Commission for Women in Science Conference, Syros, Greece, July 2007; History of Science Society Annual Meeting, Nov. 2005; the Weizmann Institute for Science, January 2005; University of Maastricht, November 2002; Harvard University - Joint Study Groups in History of Biology and Medicine, October 2002; among other sites)

2) “The Recent Historiography of Molecular Biology: A Transnational quest for the “big picture” , *History of Science*, 44 (March 2006) , 196-218. (see pdf at above website)

3) DNA at 50: Institutional and Biographical Perspectives”, *Minerva*, 42 (2004) 191-213. (See pdf at above website)

4) “The Rockefeller Foundation and the Rise of Molecular Biology”, *Nature Reviews – Molecular Cell Biology*, 3 (January 2002), 65-70. (See pdf at above website)

5) “Molecular biology in the context of British, French , and American cultures” in *Sciences and Cultures*, special issue, no. 168, of International Social Science Journal edited by H. Vessuri, June 2001, 187-199. (Also in French, Spanish, Chinese)(See pdf at above website)

6) “The strategy of large versus small scale investments: The Rockefeller Foundation’s international network of protein research, 1930-1960” in *American Foundations and Large Scale Research*, ed.: G. Gemelli (Bologna: Clueb, 2001), 71-90.

7) “The first American and French commemorations in molecular biology: From collective memory to comparative history” in Abir-Am & Elliott (eds.), *Commemorative Practices in Science: Historical Perspectives on the Politics of Collective Memory*. (Chicago: University of Chicago Press, 1999), 324-372; idem, “Introduction”, *ibid*, 1-34.

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ARTICLES: (for full list see above website)

- 8) "The molecular revolution in 20th Century biology" in J. Krige and D. Pestre (eds.) *Science in the 20th Century* (London: Harwood, 1997), 495-520.
- 9) "Collaborative couples who strove to change the world: The social policies and personal tensions of the Russells, the Myrdals, & the Mead-Batesons" in *Collaborative Couples in the Sciences*, 1996, op.cit., 267-281.
- 10a&b) " Women in Modern Scientific Research: A historical Overview" in *World Science Report*, (Paris: UNESCO, 1996); also in French as "La place de femmes dans la science et la technologie" in *Rapport Mondial sur la Science*. (Paris: UNESCO, 1996) other languages.
- 11) "Women in research schools; Approaching an analytical lacuna in the history of chemistry and allied sciences" in S. Mauskopf (ed). *Chemical Sciences in the Modern World* (Philadelphia: University of Pennsylvania Press, 1993) 375-92.
- 12) "From multi-disciplinary collaboration to transnational objectivity: International space as constitutive of molecular biology, 1930-1970", in E. Crawford, T. Shinn & S. Sorlin (eds.), *Denationalizing Science: The International Context of Scientific Practice*, (Dordrecht: Kluwer Academic Publishers, 1993), 153-186; translated into Spanish. (*Arbor*, 1997)
- 13) "A historical ethnography of a scientific anniversary in molecular biology: The first protein X-ray photo (1984, 1934)", *Social Epistemology*, vol. 6, 1992, 323-354; 363-364; 371-372; 380-387 (**Special issue** devoted to my work, including three commentaries by social scientists and my replies to each commentator).
- 14) "Noblesse oblige: Lives of molecular biologists", *IS/S*, 82 (June 1991), 326-343. (essay review of seven auto/biographies by Nobel Laureates)
- 15) "The Biotheoretical Gathering, transdisciplinary authority and the incipient legitimation of molecular biology in the 1930s: New perspective on the historical sociology of science", *History of Science*, 25 (March 1987), 1-70. (Miniature of Ph.D. thesis)

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16) "Synergy or clash: Disciplinary and marital strategies in the career of the mathematical biologist Dorothy M. Wrinch (1894-1976)' in P.G. Abir-Am & D. Outram (eds.), *Uneasy careers and intimate lives, Women in Science, 1789-1979* (1987 & 1989), op.cit. 338-94. (Award winner)

**BOOK REVIEWS:** (selected list of inviting journals in alphabetical order)

- *American Scientist*;
- *British Journal for the History of Science*;
- *Historical Studies in the Physical and Biological Sciences*;
- *History and Philosophy of Life Sciences*;
- *Journal of the History of Biology*;
- *Journal of Interdisciplinary History*;
- *ISIS*;
- *Medical History*;
- *Metascience*;
- *Social Epistemology*;
- *Technology and Culture*;
- *The International History Review*;
- *Women's Studies International Forum*.

Most recent: *Jim Watson and the Age of DNA* ([www.americanscientist.org/reviews/32708](http://www.americanscientist.org/reviews/32708))

**PROFESSIONAL HIGHLIGHTS:** (not mentioned above)

I) Special issues in leading American and British refereed journals:

- *OSIRIS, 2000. (Historical Perspectives on the Politics of Collective Memory)*
- *Social Epistemology, 1992. (Historical Ethnography of Scientific Anniversaries)*
- *Social Studies of Science, 1984. (The Rockefeller Foundation and Molecular Biology)*

II) Enthusiastic reviews in leading American and British journals; e.g. **"The most original and conceptually bold"** (*American Historical Review*, February 1998); **"masterful"** and **"deliciously nuanced"** (*British Journal for History of Science*, December 2001).

III) Widely cited in books, essays, and reviews by other authors.

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IV) Recipient of research grants, from US, UK, and France, as sole principal investigator.

V) Acknowledgments from almost every author in the history of molecular biology.

VI) A dozen titles in print (if counting both hard and soft covers).

VII) Work translated and/or reviewed in several languages, including French, Spanish, Romanian, Portuguese, Arabic, Russian, and Chinese.

VIII) Keynote speaker, Israeli Academy of Science, Jerusalem, May 1, 2003; Latin-American Association for the Social Study of Science, Caracas, September 10, 1996; Conference on "Vagabondage: The Poetics and Politics of Movement", Berkeley, CA. March 1996.

### **Interviews / coverage in the media: (selected)**

- *US News & World Report*, August 2006;
- *Biomednet, electronic journal*, April 2003;
- *New York Times*, September 1998;
- *University of Ottawa Gazette*, February 1997;
- *Diario di Lisboa*, January 1994;
- *The Atlanta Constitution*, May 1993;
- *The Baltimore Sun*, April 1992;
- *The Chronicle of Higher Education*, September 1991.
- *Science*, February 1989.

### **PERSONAL:**

- US citizen; (naturalized by marriage; 1985)
- Married to Alan Lee Fleischman; One child, Estee, age 20. (Senior in College)
- Languages: Proficient in English, Hebrew, French, Romanian; some Spanish.
- Hobbies: Swimming, diving, hiking; poetry; (in Hebrew) chess.
- Dynamic, versatile, friendly, resourceful, cosmopolitan, helpful to numerous colleagues, role model for combining career and family life.