

**CURRICULUM VITAE OF SUSAN A. GERBI, PH.D.**  
(see Gerbi Lab web site: <http://www.brown.edu/go/gerbilab>)  
(also see *Sciara* stock center web site: <https://www.brown.edu/research/facilities/sciara-stock/>)

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CURRICULUM VITAE

1. **Name:** Susan Alexandra Gerbi  
**Birth:** New York, New York  
**Married:** Prof. James Terrell McIlwain, M.D. (1976)
  
2. **Home Address:** 37 Medalist Drive  
 Rehoboth, Massachusetts 02769, USA  
 (774) 565-0353
  
3. **Business Address:** Brown University  
 Division of Biology and Medicine  
 Sidney Frank Life Sciences Building  
 185 Meeting Street, room 260  
 Providence, Rhode Island 02912 USA  
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4. **Education:**
  - A. Undergraduate: Barnard College, New York, New York 1965  
 B.A. (Zoology), with honors
  
  - B. Graduate: Yale University, New Haven, Connecticut (mentor: Joseph G. Gall)  
 M. Phil. (Biology) 1968  
 Ph.D. (Biology) 1970  
  
 Ph.D. Dissertation: "Localization and characterization  
 of the ribosomal RNA cistrons in *Sciara coprophila*"
  
  - C. Postgraduate: Postdoctoral Fellow at the Max-Planck-  
 Institut für Biologie, Abt. Beermann, (mentor: Wolfgang Hennig)  
 Tübingen, W. Germany 1970-1972
  
  - D. Honorary Degrees: Brown University, M.A. ad eundum 1980
  
5. **Appointments:**

Brown University, Division of Biology & Medicine, Providence, Rhode Island	
Assistant Professor of Biology	7/1972 - 6/1977
Associate Professor of Biology	7/1977 - 6/1982
Duke University, Department of Microbiology, Durham, North Carolina	
Visiting Associate Professor	9/1981 - 6/1982
Brown University, Division of Biology & Medicine, Providence, Rhode Island	
Professor of Biology	7/1982 - present
Director of Graduate Program in Molecular and Cell Biology	7/1982 - 6/1987
Assistant Director of Graduate Program in Molecular Biology, Cell Biology and Biochemistry	7/1987-6/1989
Robert P. Brown Professor of Biology (endowed chair)	7/1990 -6/2000
Vice-Chairman, Section of Molecular, Cellular and Developmental Biology	7/1990-6/1994
Founding Chairman, Department of Molecular Biology, Cell Biology and Biochemistry	7/1994- 8/2004
George Eggleston Professor of Biochemistry (endowed chair)	7/2000- present

6. Honors:

- 1) Undergraduate (Barnard College)
  - a. N.Y. State Regent's Scholarship (9/1961-6/1965)
  - b. C. von Wohl award for excellence in Zoology (6/1965)
  - c. Honors in Zoology (6/1965)
  - d. Founder, President, & Secretary of Barnard Biology Journal Club
  - e. Member of Board of Proctors
  - f. Member of faculty-student curriculum committee
- 2) Graduate (Yale University)
  - a. Member of Aurelian Club
  - b. NIH Predoctoral Traineeship (9/1965-6/1966)
  - c. NIH Predoctoral Fellowship (7/1966-5/1970)
  - d. Member of President Brewster's committee to recommend new Dean of the Graduate School
  - e. Member of President Brewster's committee for design of new University Health Services Center
  - f. Graduate Affiliate and Assistant to the Master of Saybrook College (9/1968-5/1970)
- 3) Postdoctoral (Max-Planck-Institut für Biologie)
  - a. NATO Postdoctoral Fellowship (6/1970-5/1971)
  - b. Jane Coffin Childs Postdoctoral Fellowship (6/1971-5/1972)
- 4) Professional (Brown University)
  - a. NIH Research Career Development Award (7/75-6/80) PHS-GM00036
  - b. Sigma Xi National Lecturer 1981-1983
  - c. NIH Senior Postdoctoral Fellowship (9/1981-6/1982)
  - d. Poster co-authored with postdoc Dr. Vassie Ware of my lab won first place in Young Investigator Award at the Annual Meeting of the Society for Developmental Biology (6/1984; New York City)
  - e. Member of Editorial Board of *Chromosoma* (1989-2011)
  - f. American Society for Cell Biology
    - (i) Member of Council of the American Society for Cell Biology (1988-1990)
    - (ii) Chair, Women in Cell Biology (WICB) (1991)
    - (iii) President (1993) of the American Society for Cell Biology
    - (iv) WICB Senior Leadership award (2016) of the American Society for Cell Biology
    - (v) Fellow (2017-present) of the American Society for Cell Biology
  - g. State of Rhode Island Governor's Award for Scientific Achievement (1993)
  - h. Meeting organizer/chair
    - (i) Program Chair for 26th annual meeting of the American Society for Cell Biology (1986)
    - (ii) Member of Scientific Advisory Committee and Session Co-chair for International Meeting on Structure and Function of Ribosomes, Victoria, British Columbia, Canada, (5/1995)
    - (iii) Chair of FASEB Consensus Conference on Graduate Education (1996)
    - (iv) Member of *Chromosoma* committee for International Meetings on Chromosomes (1998; 2001)
  - i. Chair of AAMC Graduate Research Education and Training (GREAT) group (1999)
  - j. Founding board member of the Rosalind Franklin Society (2007-present)
  - k. Fellow, American Association for the Advancement of Science (AAAS) (2008-present)
  - l. Brown University Elizabeth Leduc Award for Teaching Excellence (2009)
  - m. Dean's Award for Advancement of Women Faculty (2009)
  - n. Named as honoree for the National Women's History month for Women in Science (2012)
  - o. Dean's Award for Excellence in Graduate and/or Postdoctoral Mentoring (2012)
  - p. Member of F1000 (faculty of 1000) (2012-present)
  - q. Keynote address at Hunter College High School science fair (5/23/16), New York, NY
  - r. Genetics Society of America (GSA) George Beadle award (2017)
  - s. Distinguished Research Achievement Award from Brown University. (2021)
  - t. RNA Society/Cold Spring Harbor Laboratory Press Distinguished Research Mentor award (2022)
  - u. Listed in: American Men & Women in Science, 13-16th ed., 38<sup>th</sup> ed.  
Dictionary of International Biography, Vol. XV, XVI  
Outstanding Young Women of America, 15th-16th ed.  
Who's Who in America, 47th-54th ed.

Who's Who in American Education, 5th ed.  
 Who's Who of American Women, 10th-25th ed.  
 Who's Who in Medicine and Healthcare, 1st-2nd ed.  
 Who's Who in Science and Engineering, 3rd ed.  
 Who's Who in the World, 12th ed.

**7. Research Grants with S. Gerbi as Principal Investigator (or co-PI, as listed)**

(Total direct costs listed; entries with asterisk are total direct + indirect costs)

a) Current Grants

- |  |                      |
|--|----------------------|
| 1. NIH 1 RO1 GM121455, 8/2/17-9/19/21 (PI: SA Gerbi) years 01-04<br>"DNA Amplification in the <i>Sciara</i> Genome"  | \$800,000            |
| 1a. NIH 1 RO1 GM121455, 9/20/21-8/31/23 (PI: SA Gerbi) year 5 and no cost extension<br>"DNA Amplification in the <i>Sciara</i> Genome"   | \$100,000            |
| 2. Seed grant from Office of Vice-President for Research (OVPR) GR300254 (1/1/2022-6/30/2023)<br>"How does locus-specific DNA amplification override DNA re-replication controls in the genome?" | \$50,000             |
| 3. Benefunder web site for gifts to Gerbi lab, 2016- ongoing (P.I.: SA Gerbi)<br>"DNA Replication and Cancer"  | ongoing, open amount |

b) Completed Grants (in order of start date)

- |   |                                |
|---|--------------------------------|
| 1. Jane Coffin Childs Memorial Fund #306, 7/1973-6/1974 (PI: SA Gerbi)<br>"Structural Aspects of Two Genetic Loci"  | \$10,000                       |
| 2. NIH-GM20261, 4/1974-3/1977, (years 1-3) (PI: SA Gerbi)<br>"Fine Structure of Ribosomal RNA"  | \$68,346                       |
| 3. NIH-GM00036, 7/1975-6/1980 (PI: SA Gerbi)<br>Research Career Development Award   | full salary                    |
| 4. NIH-GM22882, 5/1976-4/1979, (PI: SA Gerbi)<br>"Chromosomes: Genetic Units in Heterochromatin"  | \$61,800                       |
| 5. ACS -NP227, 1/1977-12/1979 (PI: SA Gerbi)<br>"Evolution and Replication of Satellite DNA"  | \$87,500*                      |
| 6. NIH-GM20261, 4/1977-3/1982, (years 4-8) (PI: SA Gerbi)<br>"Fine Structure of Ribosomal RNA"  | \$295,712                      |
| 7. NSF-PCM 78-16006, 1978 (PI: SA Gerbi)<br>"Support of research equipment: Hewlett-Packard Digitizer Calculator"   | \$12,200                       |
| 8. NIH-GM26070, 4/1979-3/1982 (PI: SA Gerbi)<br>"Structure of Polytene Chromosomes"   | \$195,445                      |
| 9. ACS -CD76, 7/1980-6/1983 (PI: SA Gerbi; co PI: Lloyd Matsumoto)<br>"Replication of Bovine Satellite DNA"   | \$125,000*                     |
| 10. NSF-PCM 80-22812, 1981 (PI: SA Gerbi; co-PIs: Arthur Landy and Peter Shank)<br>"Acquisition of equipment for research in molecular genetics" (Spinco ultracentrifuge) | \$23,400                       |
| 11. NIH-GM08514, 9/1981-6/1982 (PI: SA Gerbi)<br>National Research Service Award --Senior Postdoctoral Fellowship   | 1/2 salary + inst'l. allowance |
| 12. NIH-GM20261, 4/1982-3/1987, (years 9-13) (PI: SA Gerbi)<br>"Fine Structure of Ribosomal RNA"  | \$525,046                      |

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13.	NSF-PCM 81-17765, 6/1982-3/1986 (PI: SA Gerbi) "Gene Amplification: Sciarid DNA puffs"	\$150,000*
14.	NIH-5T32-GM07601-04, 7/1982-6/1983 (PI: SA Gerbi) "Training Grant in Cell and Molecular Biology" (Program Director)	\$60,155
15.	Funds from Society for Developmental Biology and industries for Yale University Workshop on "The Eukaryotic Chromosome", 7/1983 (PI: SA Gerbi)	\$5,550
16.	NIH-5T32-GM07601, 7/1984-6/1989, (years 6-10) (PI: SA Gerbi) "Training Grant in Cell and Molecular Biology" (Program Director)	\$865,262
17.	ACS-NP524, 1/1986-12/1988 (PI: SA Gerbi) "Gene Amplification: Sciarid DNA puffs"	\$160,000*
18.	NSF-DCB-8513511, 4/1986-9/1988 (PI: SA Gerbi) "Control of Chromosome Movement"	\$12,000*
19.	NIH-GM20261, 4/1987-3/1993, (years 14-18) (PI: SA Gerbi) "Fine Structure of Ribosomal RNA"	\$706,987
20.	NIH-GM35929, 3/1989-2/1994, (years 1-5) (PI: SA Gerbi) "Gene Amplification: Sciarid DNA Puffs"	\$687,888
21.	NIH-5T32-GM07601, 7/1989-6/1994, (years 11-15) (PI: SA Gerbi) "Training Grant in Molecular and Cell Biology and Biochemistry" (Program Director)	\$1,232,140
22.	ACS-NP811, 7/1992-6/1994 (PI: SA Gerbi) "Pre-rRNA Transcribed Spacer Role in Processing and U3 Nucleolar localization"	\$200,000*
23.	NIH-5T32-GM07601, 7/1994-6/1999, (years 16-20) (PI: SA Gerbi) "Training Grant in Molecular and Cell Biology and Biochemistry"	\$1,004,402
24.	NIH-GM35929, 7/1994-6/1998, (years 6-9) (PI: SA Gerbi) "Gene Amplification: Sciarid DNA puffs"	\$593,136
25.	NIH-GM20261, 12/1994-11/1999, (years 19-22) (PI: SA Gerbi) "Fine Structure of Ribosomal RNA"	\$827,886
26.	CTR - 3983 1/1995 - 12/1998, (years 1-3) (PI: SA Gerbi) "U3 snRNA and Ribosomal RNA Processing"	\$253,056
27.	NIH-GM35929, 7/1998 - 11/2002 (years 10-13) (PI: SA Gerbi) "Gene Amplification: Sciarid DNA Puffs"	\$825,577
28.	NIH-5T32-GM07601, 7/1999-6/2004, (years 21-25) (PI: SA Gerbi) "Training Grant in Molecular and Cell Biology and Biochemistry"	\$1,142,400
29.	NIH-GM61945, 5/2001-4/2006 (years 1-4) (PI: SA Gerbi) "Biogenesis of Eukaryotic Ribosomes"	\$680,000
30.	NIH-GM35929, 12/2002-11/2007 (years 14-17) (PI: SA Gerbi) "Gene Amplification: Sciarid DNA Puffs"	\$900,000
31.	NIH/NCRR 1 P20 RR018728-02, 10/1/2003 - 9/30/2008 (years 1-5) (PI: James Padbury) "Perinatal Biology" (Gerbi: mentor)(\$152,141 Gerbi lab direct costs)	\$1,901,101
32.	NIH R01 EB 002583-10A1, 9/2004 - 6/2009 (years 1-5) (PI: Rudolf Oldenbourg, co-PI: SA Gerbi) "Development of New Automated Polarized Light Microscope" (\$194,689 Gerbi lab direct costs)	\$2,434,014
33.	NIH-5T32-GM07601, 7/2005-6/2010, (years 26-30) (PI: SA Gerbi) "Training Grant in Molecular and Cell Biology and Biochemistry"	\$1,744,651

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34. NSF-MCB-0718714, 9/15/2007 – 8/31/2012 (PI: SA Gerbi)  
“Ribosome Export in Eukaryotes” \$632,118\*
35. DOD Breast Cancer Synergy Award W81XWH-07-1-0710, 9/24/2007 – 9/23/2010 (PI: SA Gerbi)  
“Hormonal Involvement in Breast Cancer Gene Amplification” \$499,429
36. Susan G. Komen Breast Cancer Foundation KG080924, 10/3/2008 – 10/2/2011 (PI: SA Gerbi)  
“Role of Estrogen in Breast Cancer Gene Amplification” \$480,000
37. NIH NCRR 062209/0002082, 5/1/2009 – 4/30/2011 (PI: Zahir Shaikh; Mentor: Gerbi)  
IDeA Network of Biomedical Research Excellence (*INBRE*) \$100,000  
“Genomic Instability at Replication Forks” (Mentor: S.A. Gerbi; Mentee: K. Almeida – R.I. College)
38. NIH/NIGMS T32 GM007601, 7/1/2010 – 6/30/2015, (PI: Kimberly Mowry; co-PI: SA Gerbi)  
“Training in Molecular and Cell Biology and Biochemistry” \$1,767,623
39. DOD Idea Expansion Breast Cancer Award BC097936 (W81XWH-10-1-0463),  
9/1/2010-8/31/2013 (PI: SA Gerbi, co-PIs: Alex Brodsky, Ben Raphael)  
“Origins of DNA Replication and Amplification in the Breast Cancer Genome” \$351,598
40. Brown-MBL Partnership Seed grant, 10/1/2011-9/30/2012 (PI: SA Gerbi) \$31,500 to Gerbi lab  
“Conserved Nucleotide Elements in Ribosomal RNA --- Target Signatures for Pathogenic Organisms”
41. NSF MCB-0718714 renewal bridge grant (MCB-1120971) 10/1/2011-9/30/2013 (PI: SA Gerbi)  
“Structure and Function of Eukaryotic Ribosomes” \$349,513\*
42. Arnold and Mabel Beckman Foundation, 6/01/2011-8/31/2014 (PI: SA Gerbi)  
“Beckman Scholars Program” (undergraduate training program) \$115,800\*
43. Grants from the American Society for Cell Biology, Genetics Society of America and the  
Society for Developmental Biology for Carnegie Institution (Department of Embryology)  
Gall Symposium (4/2013) \$4,000
44. NSF Innovative Corps program grant # 1357555, 10/2013-3/2014 (PI: SA Gerbi)  
“Commercialization of Ribosomal RNA Sequence Evolutionary Conservation as a  
Guide for Target Sites of New Antibiotics” (co-PIs: Raphyel Rosby, Pat McHugh) \$45,000
45. NIH/NIGMS P20 GM103421-10, 11/1/13-4/30/14 (P.I.: Bharat Ramratnam) \$9,526  
“COBRE Center for Cancer Research Development” (Mentor: S.A. Gerbi, Mentee: Rachel Altura)
46. Princeton Area Community Foundation, 7/2013, 8/2014, 3/2015, 6/2015 (PI: SA Gerbi)  
“*Sciara* Research Fund” (individual gifts of \$25,000, \$25,000, \$25,000, \$20,000) \$95,000
47. Brown BioMed Division Bridge Funds, 3/2014 (PI: SA Gerbi) \$16,000
48. Brown BioMed Division Bridge Funds, 8/2014 (PI: SA Gerbi) \$33,000
49. Office of the Vice President for Research seed grant, GR300029, 4/1/15-6/30/17  
(PI: SA Gerbi, co-PIs: Mark Howison, Charles Lawrence, Benjamin Raphael)  
“Assembling Complete Genomes Through Early Access to Nanopore DNA Sequencing” \$30,000
50. NIH (IDeA) 1 R01 HG008160-A1, 9/15/15-8/30/18 (PI: SA Gerbi)  
“Mapping Origins of DNA Replication in the Genome” \$600,000
51. Genomic Vision, 1/1/16-1/31/18 (PI: SA Gerbi)

“Development of a Genome-Wide Genomic Morse Code Approach” .....	.... \$109,837
52. NSF (EAGER) MCB-1607411, 2/15/16-1/31/19 (PI: SA Gerbi) “The Next Frontier - Advances in Nanopore Sequencing of Ultra-long DNA”	\$300,000*
53. NIH/NIGMS T32 GM007601, 7/1/2015 – 6/30/2020 (years 31-35), (PI: Kimberly Mowry: co-PI: SA Gerbi) “Training in Molecular and Cell Biology and Biochemistry”	\$1,736,800
54. NIH (COBRE) P20 GM119943, 7/1/17-6/30/22 (PI: Peter Quesenberry; Mentor: SA Gerbi) “Stem Cells and Aging”	5% salary and benefits from parent grant of \$ 7,477,110
55. Bridge funds from BioMed Division and MCB department (7-9/2021) (P.I.: SA Gerbi).....	\$60,000

d) Individual predoctoral and postdoctoral stipend fellowship and research awards to S. Gerbi lab personnel

1976:	Juana Pincheira Vega (O.A.S.)
1977-1978:	Rainer Renkawitz (D.F.G.)
1981-1982:	Marion Bona (D.F.G.)
1981-1982:	Stefania DeLucchini (Scuole Normale Superiore Fellowship, Pisa, Italy)
1982-1983:	Vassie Ware (A.C.S.)
1983:	Sister Catalina Fresquez (N.I.H. - M.A.R.C.)
1983-1985:	Judith Furlong (Fleck Fellowship, Glasgow, Scotland)
1988-1990:	Rocco Savino (Scuole Normale Superiore Fellowship, Pisa, Italy)
1992-1994:	Rafael Rivera-Leon (NIH Minority Predoctoral Fellowship)
1994:	Youssef Hitti (R.I. Foundation)
1999-2002:	Anja-Katrin Bielinsky (Special Fellow, Leukemia Society of America)
2000:	Thilo Sascha Lange (R.I. Foundation)
2001:	Thilo Sascha Lange (P.I. on NSF research grant MCB-0091166)
2002-2003	Zaklina Strezoska (NIH NRSA Fellowship)
2003-2004	John M. Waggener (NIH NRSA Fellowship)
2005-2007	Janell Johnson (NIH NRSA Fellowship)
2010-2011	Cinzia Casella (Fondazione Italiana per la Ricerche sul Cancro = FIRC)
2011-2014	Cinzia Casella (DOD Breast Cancer Research Program Postdoctoral Fellowship)
2011-2014	John Urban (NSF Predoctoral Fellowship)
2014-2015	John Urban (NSF individual and RI EPSCoR Predoctoral Fellowships)

**8. Publications**

Full Length Papers

1. M.L. Pardue, S.A. Gerbi, R.A. Eckhardt, and J.G. Gall (1970) Cytological localization of DNA complementary to ribosomal RNA in polytene chromosomes of Diptera. *Chromosoma* **29**: 268-290.
2. S.A. Gerbi (1971) Localization and characterization of rRNA cistrons in *Sciara coprophila*. *Journal of Molecular Biology* **58**: 499-511.
3. S.L. Mowbray, S.A. Gerbi, and A. Landy (1975) Interdigitated repeated sequences in bovine satellite DNA.

*Nature* **253**: 367-370.

4. S.A. Gerbi and H.V. Crouse (1976) Further studies on the ribosomal RNA cistrons of *Sciara coprophila* (Diptera). *Genetics* **83**: 81-90.
5. S.A. Gerbi (1976) Fine structure of ribosomal RNA. I. Conservation of homologous regions within ribosomal RNA of eukaryotes. *Journal of Molecular Biology* **106**: 791-811.
6. S.A. Gerbi (1976) Fine structure of ribosomal RNA. Appendix. DNA elution during thermal melting of RNA-DNA hybrids on nitrocellulose filters. *Journal of Molecular Biology* **106**: 812-816.
7. S.A. Gerbi (1977) Analysis of RNA-DNA competition hybridization using the Scatchard plot. *Experimental Cell Research* **106**: 454-457.
8. H.V. Crouse, S.A. Gerbi, C.M. Liang, L. Magnus, and I.M. Mercer (1977) Localization of ribosomal DNA within the proximal heterochromatin of *Sciara coprophila* (Diptera, Sciaridae). *Chromosoma* **64**: 305-318.
9. R. Renkawitz, S.A. Gerbi, K.-H. Glätzer (1979) Ribosomal DNA of the fly *Sciara coprophila* has a very small and homogenous repeat unit. *Molecular and General Genetics* **173**: 1-13.
10. R.C. Brand and S.A. Gerbi (1979) Fine structure of ribosomal RNA. II. Distribution of methylated sequences within *Xenopus laevis* rRNA. *Nucleic Acids Research* **7**: 1497-1511.
11. R.L. Gourse and S.A. Gerbi (1980) Fine structure of ribosomal RNA. III. Location of evolutionarily conserved regions within ribosomal DNA. *Journal of Molecular Biology* **140**: 321-339.
12. R.L. Gourse and S.A. Gerbi (1980) Fine structure of ribosomal RNA. IV. Extraordinary evolutionary conservation in sequences that flank introns. *Nucleic Acids Research* **8**: 3623-3637.
13. R.L. Gourse, D.L. Thurlow, S.A. Gerbi, and R.A. Zimmermann (1981) Specific binding of a prokaryotic ribosomal protein to a eukaryotic ribosomal RNA: implications for evolution and autoregulation. *Proceedings of the National Academy of Sciences* **78**: 2722-2726.
14. A.G. Abbott, J. Hess, and S.A. Gerbi (1981) Spermatogenesis in *Sciara coprophila*. I. Chromosome orientation on the monopolar spindle of meiosis I. *Chromosoma* **83**: 1-18.
15. A.G. Abbott and S.A. Gerbi (1981) Spermatogenesis in *Sciara coprophila*. II. Precocious chromosome orientation in meiosis II. *Chromosoma* **83**: 19-27.
16. R. Renkawitz-Pohl, L. Matsumoto and S.A. Gerbi (1981) Two distinct intervening sequences in different rDNA repeat units of *Sciara coprophila*. *Nucleic Acids Research* **9**: 3747-3764.
17. S.A. Gerbi, R.L. Gourse and C.G. Clark (1981) Conserved regions within ribosomal DNA; locations and some possible functions. In *The Cell Nucleus*, ed: H. Busch and L. Rothblum (New York: Academic Press), Vol. **10**, pp. 351-386.
18. C.G. Clark and S.A. Gerbi (1982) Ribosomal RNA evolution by fragmentation of the 23S progenitor: maturation pathway parallels evolutionary emergence. *Journal of Molecular Evolution* **18**: 329-336.
19. L.M. Matsumoto and S.A. Gerbi (1982) Bovine satellite DNA I initiates its replication early in S phase. *Experimental Cell Research* **140**: 47-54.
20. E.J. Taparowsky and S.A. Gerbi (1982) Sequence analysis of bovine satellite I DNA (1.715 gm/cm<sup>3</sup>). *Nucleic Acids Research* **10**: 1271-1281.
21. E.J. Taparowsky and S.A. Gerbi (1982) Structure of 1.711b gm/cm<sup>3</sup> bovine satellite DNA: evolutionary relationship to satellite I. *Nucleic Acids Research* **10**: 5503-5515.
22. H. Bäumlein, U. Wobus, S. Gerbi, and F.C. Kafatos (1982) Characterization of a 249 bp tandemly repetitive satellite-like repeat in the translated portion of Balbiani Ring C of *Chironomus thummi*. *The EMBO Journal* **1**: 641-647.
23. H. Bäumlein, U. Wobus, S.A. Gerbi, and F.C. Kafatos (1982) The basic repeat unit of a *Chironomus* Balbiani Ring gene. *Nucleic Acids Research* **10**: 3893-3904.



24. S. DeLucchini and S.A. Gerbi (1982) DNA ribosomale extrachromosomico in nuclei politenici di *Sciara coprophila* (Ditteri): analisi biochimica. *Atti Della Societa Toscana di Scienze Naturali Memorie* Vol. LXXXIX Ser. B: pp. 13-27.
25. V.C. Ware, B.W. Tague, C.G. Clark, R.L. Gourse, R.C. Brand, and S.A. Gerbi (1983) Sequence analysis of 28S ribosomal RNA from the amphibian *Xenopus laevis*. *Nucleic Acids Research* **11**: 7795-7817.
26. C.G. Clark, B.W. Tague, V.C. Ware and S.A. Gerbi (1984) *Xenopus laevis* 28S ribosomal RNA: a secondary structure model and its evolutionary and functional implications. *Nucleic Acids Research* **12**: 6197-6220.
27. B.W. Tague and S.A. Gerbi (1984) Processing of the large rRNA precursor: two proposed categories of RNA-RNA interactions in eukaryotes. *Journal of Molecular Evolution* **20**: 362-367.
28. V.C. Ware, R. Renkawitz, and S.A. Gerbi (1985) rRNA processing: removal of only nineteen bases at the gap between 28S $\alpha$  and 28 $\beta$  rRNAs in *Sciara coprophila*. *Nucleic Acids Research* **13**: 3581-3597.
29. S.A. Gerbi (1985) Evolution of ribosomal DNA. In *Molecular Evolutionary Genetics*, ed: Ross McIntyre (Plenum Press). pp. 419-517.
30. S.A. Gerbi (1986) Unusual chromosome movements in Sciarid flies. In *Results and Problems in Cell Differentiation*, ed: W. Hennig (Springer-Verlag) Vol. 13 Germ Line - Soma Differentiation, pp. 71-104.
31. S.A. Gerbi (1986) The evolution of eukaryotic ribosomal DNA. *Biosystems* **19**: 247-258.
32. L.J. Rothschild, M.A. Ragan, A.W. Coleman, P. Heywood, and S.A. Gerbi (1986) Are rRNA sequence comparisons the Rosetta Stone of phylogenetics? *Cell* **47**: 640.
33. S.A. Gerbi (1987) (second edition in 1993) From genes to proteins. *Carolina Biology Reader #158*. ed: J.J. Head, pp. 1-16.
34. S.A. Gerbi, C. Jeppesen, B. Stebbins-Boaz, and M. Ares (1987) Evolution of eukaryotic ribosomal RNA. *Cold Spring Harbor Symposium on Quantitative Biology* **52**: 709-719.
35. C. Jeppesen, B. Stebbins-Boaz, and S.A. Gerbi (1988) Nucleotide sequence determination and secondary structure of *Xenopus* U3 snRNA. *Nucleic Acids Research* **16**: 2127-2148.
36. A.W. Kerrebrock, R. Srivastava and S.A. Gerbi (1989) Isolation and characterization of ribosomal DNA variants from *Sciara coprophila*. *Journal of Molecular Biology* **210**: 1-13.
37. S.M. DiBartolomeis and S.A. Gerbi (1989) Molecular characterization of DNA puff II/9A genes in *Sciara coprophila*. *Journal of Molecular Biology* **210**: 531-540.
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158. S.M. Doris, and S.A. Gerbi (2007). Are there *cis*-acting elements in ribosomal RNA for nuclear export of nascent ribosomes? International Conference on Ribosomes: Form and Function (Falmouth, MA).
159. S.M. Doris and S.A. Gerbi (2007). Are there *cis*-acting elements in ribosomal RNA for nuclear export of nascent ribosomes? 20<sup>th</sup> Wilhelm Bernhard Workshop (St. Andrews, Scotland): International Conference on the Cell Nucleus, abstract # 41.
160. S.M. Doris and S.A. Gerbi (2007). Are there *cis*-acting elements in ribosomal RNA for nuclear export of nascent ribosomes? EMBO Conference on Nuclear Structure and Dynamics (Montpellier, France), abstract # T32.
161. M.S. Foulk, Y. Yamamoto, E.A. Gustafson, H.S. Smith, C.R. Burke, J. Johnson and S.A. Gerbi (2007). *Cis*-elements in the *Sciara* II/9A origin. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance, p. 56.
162. J. Johnson, E.A. Gustafson, H.S. Smith, C.R. Burke, M.S. Foulk and S.A. Gerbi (2007). Specification of a metazoan origin of replication. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance, p. 224.
163. B. de Saint Phalle, S.A. Gerbi, D. Kubai, E.D. Salmon, J.R. Lafountain Jr. and R. Oldenbourg (2008). Spindle formation and chromosome behavior in asymmetric divisions of *Sciara* male meiosis I and II. Abcam Meeting on Mechanisms and Control of Mitosis, Worcester, MA, p. 49.
164. J. Beamesderfer, E. Schroeder, S. Doris and S. Gerbi (2008). Identification of eukaryotic ribosomal RNA binding proteins using the yeast three-hybrid screen. RNA 2008 (13<sup>th</sup> Annual Meeting of the RNA Society)(Berlin, Germany), abstract # 614.
165. S. Doris, V. Ware and S. Gerbi (2008). Identification of *cis*-acting conserved nucleotide elements in eukaryotic ribosomal RNA. (13<sup>th</sup> Annual Meeting of the RNA Society)(Berlin, Germany), abstract # 625.
166. E. Schroeder, S. Doris and S. Gerbi (2008). An analysis of eukaryotic ribosomal RNA and ribosomal protein L32 in ribosome maturation and cell cycle control. 13<sup>th</sup> Annual Meeting of the RNA Society (Berlin, Germany), abstract # 678.
167. M.S. Foulk, S. Hillenmeyer, A.S. Brodsky, B.J. Raphael, S. Mangray, T. Graves and S.A. Gerbi (2008). Hormonal involvement in breast cancer gene amplification. Department of Defense Era of Hope Breast Cancer Meeting (Baltimore, MD), p. 48.
168. S.M. Doris, J.N. Beamesderfer, E.A. Schroeder and S.A. Gerbi (2008). Conserved sequences in eukaryotic ribosomal RNA. Cold Spring Harbor Meeting on Dynamic Organization of Nuclear Function, p. 51.
169. S.M. Doris, J. Beamesderfer, E. Schroeder and S.A. Gerbi (2009). Evolution of ribosomal RNA: eukaryotic conserved sequences and ribosome biogenesis. EMBO Conference: 8<sup>th</sup> International Conference on Ribosome Synthesis (Regensburg, Germany), p. 27.
170. M.S. Foulk, J. Waggener, J. Johnson, G. Liew and S.A. Gerbi (2009). The *Sciara coprophila* ecdysone receptor in DNA amplification. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA

- Replication and Genome Maintenance, p. 69.
171. S.M. Doris, E. Schroeder, J. Beamesderfer and S.A. Gerbi (2009). Coordination of entry into S phase with ribosome biogenesis. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance, p. 126.
  172. S.M. Doris, E. Schroeder, J. Beamesderfer and S.A. Gerbi (2010). Coordination of entry into S phase with ribosome biogenesis. Cold Spring Harbor Symposium on Nuclear Organization and Function, p. 72.
  173. M.S. Foulk, J. Johnson, J. Waggner, G. Liew, E. Gustafson, Y. Yamamoto and S.A. Gerbi (2010) Ecdysone induces DNA amplification in *Sciara coprophila*, Ecdysone Workshop, Genetics Society of America 51<sup>st</sup> *Drosophila* Research Conference (2010).
  174. Y. Yamamoto and S.A. Gerbi (2010) Transformation in *Sciara coprophila* using a versatile vector piggybac[3XP3-EGFPfa]attP-ZFN. Genetics Society of America 51<sup>st</sup> *Drosophila* Research Conference.
  175. Y. Yamamoto, F. Urnov and S.A. Gerbi (2010). Transformation in *Sciara coprophila* using a versatile vector PiggyBac (3XP3-EGFPfa)attP-ZFNT. 50<sup>th</sup> Annual Meeting of the American Society for Cell Biology (Philadelphia, PA), abstract # 1448.
  176. S.M. Doris, J. Beamesderfer, D. Smith, E. Schroeder, R. Rosby, B. Raphael and S.A. Gerbi (2010). Evolution of ribosomal RNA: eukaryotic conserved sequences and ribosome biogenesis. 50<sup>th</sup> Annual Meeting of the American Society for Cell Biology (Philadelphia, PA), abstract # 1461.
  177. S.M. Doris, E. Schroeder, J. Beamesderfer, R. Rosby and S.A. Gerbi (2010). Coordination of entry into S phase with ribosome biogenesis. 50<sup>th</sup> Annual Meeting of the American Society for Cell Biology (Philadelphia, PA), abstract #2636.
  178. S.A. Gerbi, M. Foulk, A. Brodsky and B. Raphael (2011). Origins of DNA replication and amplification in the breast cancer genome. Department of Defense Era of Hope Breast Cancer Meeting (Orlando, FL), P48-8.
  179. J. Urban, M. Foulk, C. Casella and S.A. Gerbi (2011). Mapping DNA replication origins to the human genome. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance, p. 222a.
  180. S.M. Doris, D. Smith, B. Raphael, J. Beamesderfer, J. Nathanson and S.A. Gerbi (2012). Evolution of ribosomal RNA: Universal and domain-specific conserved sequences. The 9<sup>th</sup> International Conference on Ribosome Biogenesis (Banff, Canada). Abstract #39.
  181. S.M. Doris, R. Rosby, E. Schroeder, J. Beamesderfer and S.A. Gerbi (2012). Ribosomal protein L32 binds 35S pre-rRNA and coordinates entry into S phase with ribosome biogenesis. The 9<sup>th</sup> International Conference on Ribosome Biogenesis (Banff, Canada). Abstract #90.
  182. S.A. Gerbi, J. Urban and M. Foulk (2013). Mapping DNA replication origins in the human genome. American Society for Biochemistry and Molecular Biology annual meeting; Experimental Biology 2013 meeting (Boston, MA), abstract # 759.1.
  183. S.A. Gerbi, S.M. Doris, D. Smith, B. Raphael, J. Beamesderfer and J. Nathanson (2013). Evolution of ribosomal RNA: universal and domain-specific conserved sequences. American Society for Biochemistry and Molecular Biology annual meeting; Experimental Biology 2013 meeting (Boston, MA), abstract # 986.6.
  184. S.A. Gerbi (2013). Conserved nucleotide elements in rRNA. Symposium to honor Joe Gall on his 85<sup>th</sup> birthday (Baltimore, MD).
  185. M.S. Foulk, J.M. Urban, C. Casella and S.A. Gerbi (2013). Mapping DNA replication origins in the human genome. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance, p. 3.



186. R. Rosby, S.M. Doris, J. Beamesderfer, E.A. Schroeder and S.A. Gerbi (2013). Ribosomal protein L32e is a primary binding protein needed for processing of the initial pre-ribosomal precursor rRNA. 53<sup>rd</sup> Annual Meeting of the American Society for Cell Biology (Philadelphia, PA), abstract #1797, p.772.
187. M.S. Foulk, J.M. Urban, C. Casella and S.A. Gerbi (2014). Lambda exonuclease, the cornerstone of nascent strand sequencing to map replication origins genome-wide, digests GC-rich DNA inefficiently and stalls at G quadruplex structures. 55<sup>th</sup> Annual Meeting of the American Society for Cell Biology/International Federation of Cell Biology (Philadelphia, PA), abstract # P321, p. 19.
188. J.M. Urban, A. Bashir, R. Sebra, M. Howison, M.S. Foulk and S.A. Gerbi (2015). Re-replication origins in *Sciara* DNA puffs revealed by new and old genomic technologies including nanopore sequencing. American Society for Biochemistry and Molecular Biology annual meeting; Experimental Biology 2015 meeting (Boston, MA), abstract # 6831.
189. S.M Doris, R. Rosby, E.A. Schroeder, J.N. Beamesderfer and S.A. Gerbi (2015). Inhibition of ribosome biogenesis destabilizes mature ribosomes and subsequently impairs the G1/S transition in the cell cycle. 10<sup>th</sup> International Meeting on Ribosome Biosynthesis (Brussels, Belgium).
190. M.S. Foulk, J.M. Urban, C. Casella and S.A. Gerbi (2015). Characterizing and controlling intrinsic biases of Lambda exonuclease in nascent strand sequencing reveals phasing between nucleosomes and G-quadruplex motifs around a subset of human replication origins. 19<sup>th</sup> Annual Buffalo DNA Replication and Repair Symposium (Buffalo, NY).
191. J.M. Urban, M.S. Foulk, C. Casella and S.A. Gerbi (2015). G4 motifs and nucleosomes are phased around a subset of human replication origins. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance, p. 8.
192. J.M. Urban, J. Bliss, M.S Foulk and S.A. Gerbi (2015). Genome-wide analysis of developmentally regulated DNA re-replication in larval salivary glands of the fungus fly *Sciara coprophila*. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance, p. 199.
193. Y. Yamamoto, J. Bliss and S.A. Gerbi (2015). Whole organism genome editing: targeted large DNA insertion via ObLiGaRe nonhomologous end-joining *in vivo* capture. 13<sup>th</sup> annual Discovery on Target Meeting --- Symposium: "Developing CRISPR-based Therapies" (Boston, MA).
194. Y. Yamamoto Y, J. Urban, J. Bliss and S.A. Gerbi (2016). A new toolbox for the fly *Sciara* - a new/old model system. Society for Developmental Biology New England regional meeting (Woods Hole, MA), S15.
195. Y. Yamamoto, J. Urban, J. Bliss and S.A. Gerbi (2016). A new toolbox for the fly *Sciara* - a new/old model system that disobeys the rules for chromosome movement on spindles. ASCB regional meeting: Boston Area Mitosis and Meiosis Community (Cambridge, MA).
196. S.A. Gerbi, Y. Yamamoto, J. Urban and J. Bliss (2016). A new toolbox for the fly *Sciara* - a new/old model system that disobeys the rules for chromosome movement on spindles. GSA annual meeting: The Allied Genetics Conference (Orlando, FL).
197. S.A. Gerbi SA, Y. Yamamoto, J. Urban, L. Kadota, A. Lee, J. Leung, J. Bliss and M. Foulk (2016) Does the ecdysone receptor induce DNA re-replication? GSA annual meeting: The Allied Genetics Conference, ecdysone workshop (Orlando, FL).
198. S.A. Gerbi, Y. Yamamoto, J. Urban and J. Bliss (2016) A new toolbox for the fly *Sciara* - a new/old model system that disobeys the rules for chromosome movement on spindles. SDB annual meeting (Boston, MA).
199. Y. Yamamoto, J. Urban, J. Bliss and S.A. Gerbi (2016). A new toolbox for the fly *Sciara* - a new/old

- model system. Boston area *Drosophila* meeting - University of Massachusetts (Boston, MA).
200. S.A. Gerbi (2016) Duplication of DNA – the blueprint of life. Keynote talk at the Hunter College High School 6<sup>th</sup> annual Research Symposium (NY, NY).
  201. Y. Yamamoto, J. Urban, J. Bliss and S.A. Gerbi (2016). A new toolbox for the fly *Sciara* - a new/old model system. Chromosome Pairing annual Hoedown meeting - Harvard Medical School (Boston, MA).
  202. S.A. Gerbi, J. Urban, Y. Yamamoto, L. Kadota, A. Lee, J. Leung, J. Bliss and M. Foulk (2016). Can a steroid hormone receptor induce DNA re-replication? ASCB annual meeting (San Francisco, CA).
  203. S.A. Gerbi, Y. Yamamoto, J. Urban, J. Bateman and J. Bliss (2016). A new toolbox for the fly *Sciara* - a new/old model system that disobeys the rules for chromosome movement on spindles. ASCB annual meeting (San Francisco, CA).
  204. S.A. Gerbi, Y. Yamamoto, J. Urban, L. Kadota, A. Lee, J. Leung, J. Bliss, S. DiBartolomeis, H.S. Smith and M. Foulk (2017). Ecdysone induces re-replication in DNA puffs. GSA 58th annual *Drosophila* research conference, ecdysone workshop (San Diego, CA).
  205. S.A. Gerbi, Y. Yamamoto, J. Urban and J. Bliss (2017). A new toolbox for the fly *Sciara* - a new/old model system that disobeys the rules for chromosome movement on spindles. GSA 58th annual *Drosophila* research conference (San Diego, CA).
  206. J.M. Urban, M.S. Foulk, J.E. Bliss, C.M. Coleman, N. Lu, R. Mazloom, S.J. Brown and S.A. Gerbi (2017) Assembling the genome of the fungus fly, *Sciara coprophila*, using a mixture of single-molecule technologies. 10<sup>th</sup> annual Arthropod Genomics Symposium (Notre Dame University, IN)
  207. B. de Saint Phalle, D. Kubai, J. Urban, Y. Yamamoto, J. Bliss, R. Oldenbourg and S.A. Gerbi (2017) Regulation of non-disjunction and elimination of the X chromosome by the *Sciara* Controlling Element. ASCB regional Chromosome and Cytoskeletal Dynamics meeting, Univ Mass. (Amherst, MA).
  208. B. de Saint Phalle, D. Kubai, J. Urban, Y. Yamamoto, R. Oldenbourg and S.A. Gerbi (2017) Regulation of non-disjunction and elimination of the X chromosome by the *Sciara* Controlling Element. 4<sup>th</sup> annual meeting of the Boston Area Mitosis and Meiosis Community, Whitehead Inst. (Cambridge, MA).
  209. B. de Saint Phalle, D. Kubai, J. Urban, Y. Yamamoto, R. Oldenbourg and S.A. Gerbi (2017) Regulation of non-disjunction and elimination of the X chromosome by the *Sciara* Controlling Element. 82nd annual Cold Spring Harbor Symposium on Quantitative Biology - Chromosome Segregation and Structure (Cold Spring Harbor, NY), p. 71 (also highlighted in meeting summary by David Pellman).
  210. J.M. Urban, L. Kadota, J. Leung, A. Lee, Y. Yamamoto, E. Gustafson, M. Foulk, J. Bliss and S.A. Gerbi (2017) Influence by ecdysone and transcription on developmentally regulated DNA re-replication in *Sciara* DNA puffs. Cold Spring Harbor meeting on Eukaryotic DNA Replication and Genome Maintenance (Cold Spring Harbor, NY), p. 86.
  211. M. Sokka, J.M. Urban, C. Lawrence, T. Lee, M. Howison, D. Berenbaum, F. Gelin, N. Rhind, V. Liu and S.A. Gerbi (2017) Mapping origins of DNA replication. Cold Spring Harbor meeting on Eukaryotic DNA Replication and Genome Maintenance (Cold Spring Harbor, NY), p. 201.
  212. J.M. Urban, L. Kadota, J. Leung, A. Lee, Y. Yamamoto, E. Gustafson, M. Foulk, J. Bliss and S.A. Gerbi (2017) Influence by ecdysone and transcription on developmentally regulated DNA re-replication in *Sciara* DNA puffs. Chromosome Pairing annual Hoedown meeting, Bowdoin College (Brunswick, ME).

213. J.M. Urban, L. Kadota, J. Leung, A. Lee, Y. Yamamoto, E. Gustafson, M. Foulk, J. Bliss and S.A. Gerbi (2017) Influence by ecdysone and transcription on developmentally regulated DNA re-replication in *Sciara* DNA puffs. ASCB annual meeting (Philadelphia, PA), p 201.
214. S.A. Gerbi, J.M. Urban and Y. Yamamoto (2017) Chromosome biology in the gnat *Sciara*. ASCB annual meeting Special Interest subgroup on Emerging Model Organisms (Philadelphia, PA).
215. S.A. Gerbi, J. Urban, Y. Yamamoto, J. Bliss, H. Reddy and M. Sokka (2019) The fly *Sciara* is a new/old model system to study chromosome mechanics. 6<sup>th</sup> annual Boston Area Mitosis Meeting (BAMM) (Whitehead Institute, Cambridge, MA)
216. S.A. Gerbi, J. Urban, Y. Yamamoto, J. Bliss, H. Reddy and M. Sokka (2019) The fly *Sciara* is a new/old model system to study chromosome mechanics. Society for Developmental Biology 78th Annual Meeting (Boston, MA), abstract #645.
217. J.M. Urban, M.S. Foulk, J.E. Bliss, C.M. Coleman, N. Lu, R. Mazloom, S.J. Brown, A.C. Spradling and S.A. Gerbi (2019) Assembling the genome of the fungus fly, *Sciara coprophila*, to enable studies on its unique chromosome biology. The (Genome 10K) G10K-VGP/EBP Meeting (Rockefeller University, New York City, NY).
218. M. Sokka, J.M Urban and S.A. Gerbi (2019) Refinements to the enrichment of DNA replication origins from eukaryotic cells using  $\lambda$ -exonuclease. Cold Spring Harbor meeting on Eukaryotic DNA Replication and Genome Maintenance (Cold Spring Harbor, NY).
219. J.M. Urban, A.W. Kerrebrock, J. Bateman, S. R. Mayes, M. Sokka, Y. Yamamoto, H. Reddy, J. Bliss, A.C. Spradling and S.A. Gerbi (2019) Chromosome non-disjunction and subsequent elimination in the fly *Sciara* resides within the tandemly repeated ribosomal RNA genes. ASBMB Symposium: Emerging roles for the nucleolus (Stowers Institute, Kansas City, MO), p. 29.
220. S.A. Gerbi (2020) *In situ* hybridization. Joseph G. Gall Retirement Meeting. Carnegie Institution for Science, Department of Embryology (Baltimore, MD) – meeting held by zoom.
221. S.A. Gerbi, H.M. Reddy, J.M. Urban, Y. Yamamoto, L. Kadota, S.M. DiBartolomeis, E. Gustafson, M.S. Foulk, J. Bliss and A. Spradling (2021) The steroid hormone ecdysone drives re-replication in DNA puffs of the fly *Sciara*. Cold Spring Harbor meeting on Eukaryotic DNA Replication and Genome Maintenance. Invited talk (zoom meeting). page 12 (Sept 8-12, 2021; Cold Spring Harbor, NY).
222. H. Reddy, J.M. Urban, J. Jain, A.W. Kerrebrock, Y. Yamamoto, J. Bliss and S.A. Gerbi (2021) R3 is a novel transcribed insertion within 28S ribosomal RNA. ASBMB Symposium: Emerging roles for the nucleolus (zoom meeting). abstract 9634 (Oct 6-9, 2021).
223. J.M. Urban, A.W. Kerrebrock, J. Bateman, S.R. Mayes, Y. Yamamoto and S.A. Gerbi (2022) Regulation of centromere function by the “controlling element”. Gordon conference on centromeres (7/24-29, 2022, Mount Snow, West Dover, VT).
224. S.A. Gerbi (2022) Male meiosis I in *Bradysia (Sciara) coprophila*. First international zoom conference on *Bradysia (Sciara)* (8/23/2022, virtual; I was the meeting organizer)
225. S.A. Gerbi (2022) Male meiosis II in *Bradysia (Sciara) coprophila*: the controlling element (CE) and rDNA. First international zoom conference on *Bradysia (Sciara)* (8/23/2022, virtual; I was the meeting organizer)
226. J.M. Urban\*, J.R. Bateman\*, K.R. Garza, J. Borden, J. Jain, A. Brown, B.J. Thach, J.E. Bliss, D.-Y. Kang and S.A. Gerbi (2022) *Bradysia (Sciara) coprophila* larvae up-regulate DNA repair pathways and down-regulate developmental regulators in response to ionizing radiation. First international zoom conference on *Bradysia (Sciara)* (8/23, 2022, virtual; I was the meeting organizer)

227. S.A. Gerbi (2022) Toolbox for *Bradysia (Sciara)* research. First international zoom conference on *Bradysia (Sciara)* (8, 23, 2022, virtual; I was the meeting organizer)
228. S.A. Gerbi (2023) The ecdysone receptor is a replication factor in addition to a transcription factor. Ecdysone workshop - invited speaker, Genetics Society of America 2023 *Drosophila* meeting (March 1-5, 2023, Chicago, IL)
229. S.A. Gerbi (2023) Chromosome antics in the fungus fly *Bradysia (Sciara)* --- a new/old emerging model organism. Non-traditional fly models - invited speaker, Genetics Society of America 2023 *Drosophila* meeting (March 1-5, 2023, Chicago, IL)
230. S.A. Gerbi (2023) Regulation of DNA replication for DNA amplification in polytene chromosomes – invited keynote speaker. Polyploidy 2023 conference (May 9-12, 2023, St. Augustine, FL)

Other

1. Gerbi SA, Lange TS and Borovjagin AV (2000). Title: Methods to screen for antibiotic agents and their use in treatment of opportunistic infections. Patent issue # PCT/OS01/20520.
- 2 (a). Provisional patent application - Gerbi, SA, Doris SD, Beamesderfer JN, Smith DR and Raphael B (2013). Conserved nucleotide elements in ribosomal RNA. U.S. Patent Application No.: 61/798,468.
- 2 (b). Full patent application - Gerbi, SA, Doris SM, Smith DR, Beamesderfer JN and Raphael B (2014). Conserved nucleotide elements in ribosomal RNA. U.S. Patent Application No.: 14/204,223.

**9. Invited Seminars**

- 1966: Histochemical Society meeting (Atlantic City, NJ)
- 1969: American Society for Cell Biology (Detroit, MI)
- 1970: Yale University (New Haven, CT)  
Max-Planck-Institut für Biologie (Tübingen, W. Germany)  
University of Pisa (Pisa, Italy)
- 1971: University of Edinburgh (Edinburgh, Scotland)  
Trinity College (Dublin, Ireland)  
ECBO 2nd nucleolar workshop (Balatonsplak, Hungary)  
University of the City of New York (Brooklyn, NY)  
State University of New York (Stony Brook, NY)  
Harvard University (Cambridge, MA)  
Brown University (Providence, RI)  
University of California at San Diego (La Jolla, CA)  
University of Wisconsin (Madison, WI)  
University of Missouri (Columbia, MO)  
Duke University (Durham, NC)
- 1972: Société de Chimie Biologique colloque sur les acides  
désoxyribonucleiques des eucaryotes (Strasbourg, France)  
University of Lund (Lund, Sweden)  
Karolinska Institutet (Stockholm, Sweden)  
Zentralinstitut für Genetik und Kulturpflanzenforschung der Deutschen Akademie der  
Wissenschaften (Gatersleben, E. Germany)  
Max-Planck-Institut für Biologie (Tübingen, W. Germany)  
American Society for Cell Biology (St. Louis, MO)  
Washington University (St. Louis, MO)

- 1973: American Society for Cell Biology (Miami, FL)
- 1974: Marine Biological Labs (Woods Hole, MA)  
University of Rhode Island (Kingston, RI)  
EMBO workshop on restriction enzymes (joint author: Ghent, Belgium)
- 1975: Marine Biological Labs (Woods Hole, MA)  
University of Connecticut (Storrs, CT)  
University of Delaware (Newark, DE)  
Histochemical Society meeting (Atlantic City, NJ)  
EMBO workshop on RNA metabolism (Arolla, Switzerland)  
ECBO 4th nucleolar workshop (Varna, Bulgaria)  
Max-Planck-Institut für Biochemie (Munich, W. Germany)  
University of Zurich (Zurich, Switzerland)  
German Cancer Research Center (Heidelberg, W. Germany)  
Max-Planck-Institut für Biologie (Tübingen, W. Germany)  
The Worcester Foundation (Shrewsbury, MA)
- 1976: Marine Biological Labs (Woods Hole, MA)  
Duke University (Durham, NC)  
University of North Carolina (Chapel Hill, NC)  
1st International meeting of Cell Biology (Boston, MA)  
Columbia University (New York, NY)
- 1977: Marine Biological Labs (Woods Hole, MA)  
New England Ribosome Club, Harvard University (Boston, MA)  
Princeton University (Princeton, NJ)  
University of Rhode Island (Kingston, RI)
- 1978: Marine Biological Labs (Woods Hole, MA)  
American Society for Cell Biology (San Antonio, TX)
- 1979: Marine Biological Labs (Woods Hole, MA)  
German Cell Biology meeting (Berlin) (joint author on papers by Renate and Reiner Renkawitz)  
Jackson Lab (Bar Harbor, ME)  
Brown University faculty colloquium (Providence, RI)  
American Society for Cell Biology (Toronto, Canada)
- 1980: Marine Biological Labs (Woods Hole, MA)  
University of Göttingen (Germany)  
Central Institute of Genetics, Academy of Sciences (Gatersleben, E. Germany)  
International Congress of Cell Biology (Berlin) - 3 papers  
Max-Planck-Institut für Biologie (Tübingen, W. Germany)  
Institute of Molecular and Cell Biology, CNRS (Strasbourg, France)  
Institute of Experimental Research on Cancer (Lausanne, Switzerland)  
University of Geneva (Switzerland)  
University of Massachusetts (Amherst, MA)
- 1981: Marine Biological Labs (Woods Hole, MA)  
14th FEBS meeting (Edinburgh, Scotland - invited main platform speaker)  
Evolution of the Eukaryotic Genome and its components (Dalhousie University, Halifax, Nova Scotia) - invited main speaker  
Structure and Possible Functions of Highly Repeated DNA Sequences in the Eukaryotic Genome (Montpellier, France) - EMBO Workshop  
7th EMBO Annual Symposium: Ribosome Structure and Function (Heidelberg, W. Germany)  
Duke University (Durham, NC)
- 1982: University of North Carolina (Genetics Program) (Chapel Hill, NC)  
Duke University (Durham, NC)

- University of North Carolina (Anatomy Dept.) (Chapel Hill, NC)  
Sigma Xi chapter of Northern Westchester, IBM (Yorktown Heights, NY)  
American Society for Cell Biology (Baltimore, MD)
- 1983: Arizona State University (Tempe, AZ)  
University of Mississippi Medical Center (Jackson, MS)  
Tougaloo College (Tougaloo, MS)  
Cornell University (Ithaca, NY)  
American Society for Cell Biology (San Antonio, TX)
- 1984: Pfizer (Groton, CT)
- 1985: Rice University (Houston, TX)  
Clemson University (Clemson, SC)  
University of Chicago (Chicago, IL)  
University of Virginia (Charlottesville, VA)  
American Society for Cell Biology (Atlanta, GA)
- 1986: Brown University - Chemistry Dept. (Providence, RI)  
American Society for Cell Biology (Washington, DC) - Main Symposium Chair and Speaker
- 1987: Northeastern University (Boston, MA)  
Cold Spring Harbor Symposium -main platform speaker (Cold Spring Harbor, NY)  
Friday Evening Lecturer at the Marine Biological Labs (Woods Hole, MA)  
Worcester Polytechnic Institute (Worcester, MA)  
American Society for Cell Biology, (St. Louis, MO)
- 1988: University of Connecticut (Storrs, CT)  
State University of New York (Stony Brook, NY)  
4th International Congress of Cell Biology - main platform speaker (Montreal, Canada)
- 1989: American Society for Biochemistry and Molecular Biology and the American Society for Cell Biology (San Francisco, CA)  
Rhode Island College (Providence, RI)  
American Society for Microbiology conference on Ribosomes (Glacier, MT)  
American Society for Cell Biology summer conference (Airlie House Virginia)  
University of Texas (San Antonio, TX)  
American Society for Cell Biology (Houston, TX)  
C.S.I.R.O. (Canberra, Australia)  
University of Otago (Dunedin, New Zealand)  
University of Auckland (Auckland, New Zealand)
- 1990: Hoffmann-LaRoche (Nutley, NJ)  
Animal Cells and Viruses Gordon Conference (Tilton, NH)  
Harvard University (Biological Labs; Cambridge, MA)  
American Society for Cell Biology (San Diego, CA)  
31st *Drosophila* meeting - main platform talk from my lab given by B. Bienz-Tadmor (Asilomar, CA)
- 1991: Harvard University (Mass General Hospital; Boston, MA)  
Cold Spring Harbor meeting on Synthesis of Ribosomes (Cold Spring Harbor, NY)  
American Society for Cell Biology (Boston, MA)
- 1992: Tufts University Medical School (Boston, MA)  
5th International Congress on Cell Biology - main platform speaker and session chair (Madrid, Spain)  
American Society for Cell Biology (Denver, CO)  
Regulation of Eukaryotic DNA replication meeting (McGill University, Montreal, Canada)
- 1993: Purdue University (**Carling Endowed Lecture**) (West Lafayette, IN)  
Baylor College of Medicine (**Joseph L. Melnick Distinguished Guest Lecturer**) (Houston, TX)

- University of Mississippi Medical School (Jackson, MS)  
American Society for Cell Biology - main symposium chair and speaker (New Orleans, LA)  
Cold Spring Harbor Symposium on DNA and Chromosomes (Cold Spring Harbor, NY)  
Cold Spring Harbor Meeting on DNA Replication (Cold Spring Harbor, NY)
- 1994: Tufts University Medical School (Boston, MA)  
Brandeis University (Waltham, MA)  
IRBM (Rome, Italy)  
University of Pisa (Italy)  
DIBIT, Hospedale San Rafaele (Milan, Italy)  
ETH (Zurich, Switzerland)  
Cold Spring Harbor Meeting on Ribosome Synthesis and Nucleolar Function  
Eukaryotic DNA Replication Meeting at McGill University - platform speaker (Montreal, Canada)  
American Society for Cell Biology (San Francisco, CA)
- 1995: Lehigh University (**Howard Hughes Lecturer**) (Bethlehem, PA)  
Wright State University (Dayton, Ohio)  
Carnegie Institution of Washington, Department of Embryology (Baltimore, MD)  
International Meeting on Structure and Function of Ribosomes - session co-chair and invited speaker (Victoria, British Columbia, Canada)  
Gordon Conference on Plasmid and Chromosome Dynamics (Plymouth, N.H.)  
Marine Biological Laboratory meeting on the Nucleus - session chair and invited speaker (Woods Hole, MA)  
Cold Spring Harbor meeting on DNA Replication - session chair and invited speaker (Cold Spring Harbor, N.Y.)  
American Society for Cell Biology (Washington, D.C.).
- 1996: Trinity University (**Distinguished Scientist Lecturer**) (San Antonio, Texas)  
RNA Society First Annual Meeting - Workshop co-chair and speaker (Madison, WI)  
International Conference on Regulation of Eukaryotic DNA Replication – McGill University (Montreal, Canada)
- 1997: RNA Society Second Annual Meeting (Banff, Canada)  
CNRS Conference Jacques Monod on Replication in Prokaryotes and Eukaryotes (Aussois, France)  
Gordon Conference on Plasmid and Chromosome Dynamics (Plymouth, NH)  
International Meeting on the Ribosome: its nucleolar synthesis and structure (**plenary speaker**) (Noordwijkerhout, The Netherlands)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication (**lead speaker**) (Cold Spring Harbor, NY)  
University of Rochester (Rochester, NY)  
State University of New York Health Science Center at Syracuse (Syracuse, NY)  
Mt. Sinai School of Medicine (New York, NY)
- 1998: *Chromosoma* International Meeting on Chromosomes (Guanacaste, Costa Rica)  
RNA Society Third Annual Meeting (Madison, WI; 2 talks)  
International Conference on Regulation of Eukaryotic DNA Replication-McGill University (St. Sauveur, Canada; 2 talks)  
Cold Spring Harbor Laboratory meeting on Dynamic Organization and Nuclear Function (Cold Spring Harbor, NY)  
University of California (Los Angeles, CA)  
University of Massachusetts Medical School (Worcester, MA)
- 1999: FASEB conference on Chromatin and Transcription (Snowmass, CO; declined)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication
- 2000: Louisiana State University (Baton Rouge, LA)  
University of Connecticut Medical School (Farmington, CT)

- Molecular Genetics Gordon Conference (New London, CT)  
Fifth International Conference on Ribosome Biogenesis and Nucleolar Function (Granlibakken, CA)  
Cold Spring Harbor Laboratory meeting on Dynamic Organization and Nuclear Function (Cold Spring Harbor, NY) - talk given by T.S. Lange of my lab  
Replication 2000 Meeting (Salk Institute, San Diego, CA) - talk given by A.-K. Bielinsky of my lab  
Weimar Conference on Genetics: Regulation of Genome Replication and Genome Repair (Weimar, Germany) - talk given by A.-K. Bielinsky of my lab  
Clemson University (Clemson, S.C.)  
The University of Texas - Southwestern Medical School (Dallas, TX)
- 2001: Carnegie Institution of Washington, Department of Embryology (Baltimore, MD)  
University of Maryland - Baltimore County (MD)  
University of Mississippi Medical School (Jackson, MS)  
Yale University (New Haven, CT)  
Eli Lilly Co. (Indianapolis, IN)  
University of Michigan (Ann Arbor, MI)  
International Conference on Regulation of Eukaryotic DNA Replication – McGill University (St. Sauveur, Canada)  
*Chromosoma* International Meeting on Chromosomes (Rio de Janeiro, Brazil) - talk given by A.-K. Bielinsky of my lab  
Marie Curie Research Institute Workshop on Interphase DNA Replication and Gene Regulation (Oxford, U.K.) - talk given by A.-K. Bielinsky of my lab  
Cold Spring Harbor Laboratory Symposium on the Ribosome (Cold Spring Harbor, NY)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication (Cold Spring Harbor, NY)  
American Society for Cell Biology (Washington, DC)
- 2002: EMBO workshop on the Nucleus (Prague, Czech Republic)  
University of Geneva (Geneva, Switzerland)  
Seventh Annual Meeting of the RNA Society (Madison, WI)
- 2003: 6<sup>th</sup> International Conference on Ribosome Synthesis (Arcachon, France)  
Symposium on Nuclear Dynamics (Joe Gall 75<sup>th</sup> birthday symposium)(Baltimore, MD)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication (Cold Spring Harbor, NY)  
Case Western Reserve University (Cleveland, Ohio)
- 2004: Marine Biological Laboratory (Woods Hole, MA)
- 2005: University of Rhode Island (Kingston, RI)  
19th Wilhelm Bernhard Cell Nucleus Workshop (Münsterschwarzach, Germany)
- 2007: Ribosomes: From Structure to Gene Expression and Beyond (Natl. Acad. Sciences; Irvine, CA)  
20<sup>th</sup> Wilhelm Bernhard International Conference on the Cell Nucleus (St. Andrews, Scotland)  
EMBO Conference on Nuclear Structure and Dynamics (Montpellier, France)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication (Cold Spring Harbor, NY)
- 2009: EMBO Conference: 8<sup>th</sup> International Conference on Ribosome Synthesis (Regensburg, Germany)(also served as session chair in addition to my talk)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance (Cold Spring Harbor, NY)
- 2010: University of Virginia (Charlottesville, VA)
- 2011: Weill Cornell Medical College (New York, NY)
- 2012: 9th International Conference on Ribosome Synthesis (Banff, Canada)
- 2013: Drexel University Symposium on Ribosomes and Antibiotics (Philadelphia, PA)



- American Society for Biochemistry and Molecular Biology annual meeting; (Boston, MA)  
Symposium to honor Joe Gall on his 85<sup>th</sup> birthday (Baltimore, MD)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication  
and Genome Maintenance (Cold Spring Harbor, NY)  
Georgia Tech (Atlanta, GA)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication (Cold Spring Harbor, NY)  
Brown University Center for Computational and Molecular Biology (CCMB)(Providence, RI)
- 2014: Monsanto (Mystic, CT)  
Brown University Technology Ventures Office Symposium (Providence, RI)
- 2015: 19<sup>th</sup> Annual Buffalo DNA Replication and Repair Symposium (Buffalo, NY)  
Lehigh University (Bethlehem, PA)  
Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication and Genome Maintenance  
(Cold Spring Harbor, NY)  
13<sup>th</sup> annual Discovery on Target Meeting --- Symposium: “*Developing CRISPR-based Therapies*”  
(Boston, MA)
- 2016: SDB New England regional meeting (Woods Hole, MA)  
ASCB regional meeting: Boston Area Mitosis and Meiosis Community (Cambridge, MA)  
GSA annual meeting: Allied Genetics Conference, ecdysone workshop (Orlando, FL)  
Boston area *Drosophila* meeting - University of Massachusetts ((Boston, MA)  
Chromosome Pairing annual Hoedown meeting - Harvard Medical School (Boston, MA)  
ASCB annual meeting (San Francisco, CA)
- 2017: GSA 58<sup>th</sup> annual *Drosophila* research conference, ecdysone workshop (San Diego, CA)  
ASCB regional Chromosome and Cytoskeletal Dynamics meeting, Univ Mass. (Amherst, MA).  
Chromosome Pairing annual Hoedown meeting – Bowdoin College (Brunswick, ME)  
Cold Spring Harbor Symposium on Quantitative Biology (Cold Spring Harbor, NY)  
Cold Spring Harbor Meeting on Eukaryotic DNA Replication (Cold Spring Harbor, NY)  
Chromosome Pairing Meeting - Bowdoin College (Brunswick, Maine)  
American Society for Cell Biology session on Emerging Model Organisms (Philadelphia, PA)  
American Society for Cell Biology annual meeting (Philadelphia, PA)
- 2019: 6<sup>th</sup> annual Boston Area Mitosis Meeting (BAMM) - Whitehead Institute (Cambridge, MA)  
ASBMB Symposia: Emerging roles for the nucleolus - Stowers Institute (Kansas City, MO)  
AAMC 25<sup>th</sup> Graduate Research Education and Training (GREAT) mtg, keynote speaker (Seattle,  
WA)
- 2020 Joseph G. Gall Retirement Symposium - Carnegie Institution – Dept. Embryology (Baltimore MD)
- 2021 Cold Spring Harbor Meeting on Eukaryotic DNA Replication (virtual; Cold Spring Harbor, NY)  
ASBMB Symposia: Emerging roles for the nucleolus (virtual)  
ASCB annual meeting; panelist for WICB (50<sup>th</sup> anniversary)(virtual)
- 2022 Brown University Breast Cancer Translational Research Disease Group (invited talk; virtual)  
MIT/Whitehead Institute invited seminar (Cambridge, MA)  
RNA Society annual meeting (Boulder, CO)(recipient of the senior mentor award)  
Gordon conference on centromeres (Mount Snow, West Dover, VT)  
First international zoom conference on *Bradysia (Sciara)* (virtual; I was the meeting organizer)
- 2023 Genetics Society of America *Drosophila* meeting (Chicago, IL)(2 invited talks)  
Polyploidy 2023 (St. Augustine, FL)(keynote speaker)

**Invited Talks on Graduate Education**

- 1997: AAMC Graduate Research Education and Training Meeting (Leesburg, VA)

- Leadership Alliance Symposium (Washington, DC)
- 1998: Testified on biomedical graduate education before the Committee on National Needs for Biomedical and Behavioral Scientists, National Research Council (Washington, DC)  
Meeting of Association of Neuroscience Departments and Programs (Washington, DC)
- 1999: Wayne State University (Detroit, MI, declined)  
AAMC Graduate Research Education and Training Meeting (Hamilton, Bermuda)
- 2000: Meeting of Association of Medical and Graduate Departments of Biochemistry (St. Lucia)
- 2001: Tougaloo College 25<sup>th</sup> year MARC celebration (Jackson, MS)  
National Academy of Sciences Meeting on Postdoctoral Education (Washington, DC)  
University of Michigan (Ann Arbor, MI)  
New York University Conference on Biomedical Ph.D. Careers (New York, NY)
- 2002: Scientific Work Force Project; National Bureau for Economic Research (Cambridge, MA)  
AAMC Graduate Research Education and Training Meeting (Westminster, CO)
- 2003: Cornell Meeting on Science and the University (Ithaca, NY)  
American Society for Biochemistry and Molecular Biology (San Diego, CA)  
National Institutes of Health (Bethesda, MD)
- 2004: AAMC Graduate Research Education and Training Meeting (Austin, Texas)  
National Academy of Sciences Meeting on International Graduate Students (Washington, D.C.)
- 2005: National Academy of Science President's Circle (Woods Hole, MA)  
AAMC Graduate Research Education and Training Meeting (Sanibel, Ft. Myers, FL)
- 2007: American Society for Biochemistry and Molecular Biology (ASBMB)(Washington, DC)  
AAMC Graduate Research Education and Training Meeting (Providence, RI)
- 2019: NIGMS 2019 TWD Program Directors (Bethesda, MD)
- 2019: AAMC 25<sup>th</sup> Graduate Research Education and Training (GREAT) meeting;  
keynote speaker (S.A. Gerbi) History of the AAMC Graduate Research Education and Training (GREAT) Group. (Seattle) Sept 12-14, 2019

## 10. Service to the University, Profession and Community

### A. Service to the University

1. Ph.D. thesis committee member – in chronological order (\* denotes predoctoral students in my lab):

Kiah Edwards	*Anne Whitney Kerrebrock
Linda Robinson	*Barbara Stebbins-Boaz
Dan DeBorde	Matt Firpo
Don Colbert	*Nan Wu
Chris Osgood	*Chun Liang
Valeria Tedeschi	Heidi Hoffman
Sheldon Cooper	*Rafael Rivera-León
*Elizabeth Taparowsky	Andrea Nerozzi
*Albert Abbott	*Fyodor Urnov
*Richard Gourse	*Oxana Karpenko Pickeral
Ellen Woodland	*Michael Ezrokhi
Jeanne Lawrence	Caroline Savery
Chris Petropoulos	Young Yoon
Wilma Ross	*Michael Foulk
Terry Horowitz	*Eric Gustafson
Andrew Mendelsohn	Alec DeSimone

\*Susan DiBartolomeis  
Dan Romero  
Linda Moore  
Will Jacob  
Kathy Madden

\*Stephen Doris  
Lindsay Lovasco  
Michael Bronson  
Catherine Volle  
Yuko Hasegawa  
\*John Urban

2. Brown Graduate Program Activities and Leadership Positions

- a. Originator of training grant proposal in Medical Genetics (1974)
- b. Organized section on "Nucleic Acids" for Cellular and Molecular Biology training grant proposal (1976)
- c. Member of Biomed. committee for organization of Graduate Program in Molecular and Cell Biology (1976-1977)
- d. Member graduate student academic standing committee (1977-1981; 1982-1989)
- e. Asst. Director Graduate Program in Molecular and Cell Biology (7/1977-1981)
- f. Member, Graduate Council (2/1978 - 6/1979)
- g. Co-chairman of Cell and Molecular Biology Seminar Committee (1979/80; 1980/81)
- h. Reviewed the Graduate Program in Cell and Molecular Biology for the Fellows of The Brown Corporation (6/1981)
- i. Director of Graduate Program in Molecular and Cell Biology (7/1982-6/1987)
- j. Member, ex-officio, of MCB graduate program admissions committee (7/1982-6/1987)
- k. Program Director/PI of MCB Training Grant from NIH (7/1984-6/2010)
- l. MCB Graduate Program executive committee (7/1984-6/2010 ex officio)
- m. Asst. Director of Graduate Program in Molecular Biology, Cell Biology and Biochemistry (7/1987-6/1989)
- n. Member Dean's Fellowship Committee for entering Graduate Students (1989)
- o. Member of Brown University Research Council (7/1990-6/1994)
- p. Site visit team to Xavier College in New Orleans to establish link with our Ph.D. program (1991)
- q. Member of MD-PhD executive committee (2/1994)
- r. Member of BioMed Division Strategic Plan Subcommittee on Graduate Students (1995)
- s. Organizer of 21st Reunion Symposium of Graduate Program in Molecular Biology, Cell Biology and Biochemistry to honor Prof. Frank Rothman on his retirement (1997)
- t. Member of Advisory Committee for Perinatal Biology Postdoctoral Training Grant from NIH-NICHD (P.I.: Dr. Jim Padbury, Women and Infants Hospital) (1999-2004)
- u. Committee Member of Task Force on Brown-Marine Biological Lab Consortium for Graduate Education (2002-2003)
- v. Member of Provost's Committee on graduate student tuition (2003)
- w. Principal Investigator on Department of Education GAANN grant application for predoctoral training in Molecular and Cell Biology and Biochemistry (2003; 2005; 2006)
- x. Co-Principal Investigator on Howard Hughes Medical Institute grant application on predoctoral medical to graduate education (2005)
- y. Internal Advisory Panel for Brown NIGMS-R25 application "Initiative for Maximizing Student Diversity for BioMed Division Ph.D.s (2007 – present)
- z. Co-Principal Investigator of MCB Training Grant from NIH (7/2010-6/2020)
- aa. MCB Graduate Program liaison for external affairs (MBL; NIH)(7/2010-6/2020)
- bb. MCB Graduate Program representative at Brown fifth Year Master's degree Fair (2017; 2019)

3. Departmental Leadership Positions

- a. Member of MCDB Section Reorganization Committee (1990-1993)
- b. Vice-Chair of MCDB Section (Molecular, Cellular & Developmental Biology) (7/1990-1/1994)
- c. Member of Committee for Department Academic Plan for Section of Molecular, Cellular and Developmental Biology (1992-1993)
- d. Chair of MCDB Section (Molecular, Cellular and Developmental Biology) (2/1994-6/1994)
- e. Founding Chair of MCB Department (Molecular Biology, Cell Biology & Biochemistry) (7/94-8/04)

4. Recipient of Brown University Awards

- 2009: Elizabeth Leduc award for excellence in teaching in the life sciences
- 2009: BioMed Division Dean's award for the advancement of women faculty
- 2012: BioMed Division Dean's award for excellence in graduate and/or postdoctoral mentoring
- 2021: Distinguished Research Achievement Award from Brown University

Robert P. Brown Professor of Biology (endowed chair)	7/1990 -6/2000
Founding Chairman, Dept. Molecular Biology, Cell Biology and Biochemistry	7/1994- 8/2004
George Eggleston Professor of Biochemistry (endowed chair)	7/2000- present

5. Search Committees

- a. Member of Search Committee for chairman of Ob-Gyn, Providence Womens and Infants Hospital (1973-1974)
- b. Member Search Committee for Asst. Professor of Virology (Mol. Biol. Section 1977) (Peter Shank)
- c. Chair of Search Committee for Asst. Professor of Cell Biology (1978/1979) (Kenneth Miller)
- d. Member of Search Committee for Asst. Professor of Biochemistry (1987) (Paula Grabowski)
- e. Member of Search Committee for Asst. Professor, Dept. Medicine, Roger Williams Hospital (1988)
- f. Member of Search Committee for Director of Oncogene Lab, Roger Williams Hospital (1988)
- g. Member of Search Committee for Research Scientist in Gastroenterology/Pathology, Roger Williams Hospital (1988)
- h. Member of Search Committee for Asst. Professor in Evolutionary Genetics (1988)
- i. Member of Search Committee for Asst. Professor in Developmental Biology (1989)(Gary Wessel)
- j. Member of Search Committee for Dean of Faculty (1989) (Tom Anton)
- k. Member of Search Committee for Provost (1990) (Frank Rothman)
- l. Chair of Search Committee for Asst. Professor of Molecular Genetics (1990/1991) (Eric Hendrickson)
- m. Member of Search Committee for Dean of Biology (1991) - position cancelled at end of search.
- n. Chair of Search Committee for the Vice President for Research (2002) (Andy van Dam)
- o. Search Committee for Dean of Medicine and Biology (2003-2004) (Eli Adashi)
- p. Search Committee for Chair of Hematology/Oncology - RI Hospital (2004 - 2006)(P. Quesenberry)
- q. Search Committee for Dean of Medicine and Biology (2007-2008)(Ed Wing)
- r. Search Committee for Asst. Professor of Systems Biology (2008-2009)(Erica Larschan)
- s. Search Committee to recruit Dr. Franziska Michor (tenured Associate Professor)(2014)
- t. Search Committee for MCB department manager (2015)(Purvang Patel)

6. Mentor to Junior Faculty Members at Brown

- Lazaros Kochilas (Department of Pediatrics, Women and Infants Hospital, Brown Medical School)
- Thais Salazar-Mather (Department of Molecular Microbiology and Immunology, Brown University)
- Karen Almeida (Department of Chemistry, R.I. College)
- Benjamin Raphael (Department of Computer Science, Brown University)
- Rachel Altura (Department of Pediatrics, R.I. Hospital)
- Patrycja Dubielecka-Szczerba (Department of Medicine, R.I. Hospital)
- Jill Kreiling (Department of Molecular Biology, Cell Biology and Biochemistry)

7. Other University Activities

- a. Biomed. Sc.B. advisor (ca. 70 advisees/yr (1972-1977)
- b. Biomed. Freshman counselor (1973, 1974, 1980)
- c. Biomed. Undergraduate Curriculum Committee (1974-1977)
- d. Executive board member of Brown chapter of AAUP (1974-1977)
- e. Member of Brown University Institutional Biohazards Committee (1979-1981; 1982-1984)
- f. Panelist of Alumnae College Workshop at Brown on "The New Biology" (6/81)
- g. Lecture to Brown Alumni of Atlanta (3/1982)
- h. Participant in Brown University Workshop of the Carnegie Foundation for the Advancement of Teaching chaired by Dr. Frank Newman (1984)

- i. Participant in Brown University fundraising workshop in New York City (9/1984) and lab demonstration at Brown.
- j. Member of Flow Cytometer Committee (1987-1988)
- k. Reviewer for Early Identification Program Minority summer fellowships in Biology (1989)
- l. Speaker on "The New Biology" for Brown Parents' Weekend (10/1991)
- m. Wriston lecturer for Brown Associated Alumni (1991/1992)
- n. Member of committee for appointment for named and endowed chairs (11/1991-6/1994)
- o. Seminar on DNA Replication for the Brown University 101 Forum (1998)
- p. Talk on Evaluation of Teaching for a Brown University Teaching Forum (1999)
- q. Co-Chair, BioMed Division Blueprint Committee on BioMed Division structure (2002)
- r. Faculty Liaison for Brown Equestrian Team (2002-2004)
- s. Member of Research Advisory Committee for Vice President of Research (2003-2005)
- t. Member of URI-Brown committee garner NSF EPSCoR funding for R.I. (2004-2006)
- u. Member of committee to increase interactions between Brown and MBL (Institute X)(2008)
- v. Reviewer of Brown's NSF ADVANCE grant internal grant applications (2008-2010)
- w. Member of Brown University Endowed Chairs committee (2008-2011)
- x. Member of Illumina sequencing facility internal advisory group (2010-2011)
- y. Organizer and co-chair of Brown University Symposium on Cancer Collaborative Research (2011)
- z. MCB department external review section on peer departments (2011-2012)
- aa. Reviewer for Brown University Seed Grants (Office of the Vice President for Research)(2015; 2017; 2022)
- bb. Reviewer for Brown University UTRA (summer undergraduate) awards (2016)
- cc. Organizer of MCB Department Frank Rothman Commencement Forum (2016-present)
- dd. co-Organizer of MCB Department Mac V. Edds lecture in Developmental Biology (2016-present)
- ee. Affiliate member of Brown's Center for Computational Molecular Biology (CCMB)(~2016-present)
- ff. Undergraduate Advisor:
  - Sc.B. Biology Advisor (Daniel Golden; 2016-2018)
  - A.B. Biology Advisor (Ian Light; 2018-2020)
  - A.B. Biology Advisor (Dominique Carlo; 2018-2020)
- gg. MCB Dept committee to recommend external reviewers for Dr. Richard Freiman promotion (2019)
- hh. Member of Brown Honorary Degrees Committee (7/1/19-6/30/20)
- ii. Member of OVPR Brown Faculty Research Achievement Awards subcommittee (2/2020; 2/2022)
- jj. Member of MCB Department space committee (2/2020-present)
- kk. Sidney Frank Hall floor rep for BioMed Division COVID safety committee (5/2020-present)
- ll. Brown University Conflict of Interest Review Board (9/2020-6/2023)
- mm. member of Brown's Cancer Center (2021-present)
- nn. MCB Dept committee to recommend external reviewers for Dr. Nick Fawzi promotion (2022)
- o. MCB Dept committee chair for TPAC packages to hire 2 faculty (Juan Alfonzo and Federica Accornero) doing RNA research (2022-2023)

**B. Service to the Profession**

- 1. Scientific Meeting Organizer
  - a. American Society for Cell Biology annual meeting (Washington DC), 1986
  - b. Structure and Function of Ribosomes, Victoria (British Columbia, Canada), 1995
  - c. FASEB conference on Graduate Education (Bethesda, MD), 1996
  - d. International Conference on Chromosomes (Costa Rica), 1998
  - e. AAMC GREAT meeting on Graduate Education (Hamilton, Bermuda), 1999
  - f. International Conference on Chromosomes (Rio de Janeiro), 2001
  - g. Joe Gall 75<sup>th</sup> birthday Symposium (Baltimore, MD), 2003
  - h. Joe Gall 85<sup>th</sup> birthday Symposium (Baltimore, MD), 2013
  - i. Joe Gall 90<sup>th</sup> birthday tribute book (Baltimore, MD), 2018
  - j. Joe Gall retirement Symposium (zoom webinar; Baltimore, MD 2020)
- 2. Study Section Member:
  - NIH Cell Biology Study Section (3/78)

NSF Genetics Research Grants Review Panel (4/79-6/80)  
ACS Cell & Developmental Biology Study Section (6/79)  
NIH Cell & Molecular Biology Training Grant Study Section (12/79; 11/81, MBL Physiology Course)  
NIH Genetics Training Grant Study Section (7/80-6/84)  
NIH Molecular Cytology Study Section, special reviewer (3/96)  
NIH – Genome Institute Encyclopedia of DNA Elements (ENCODE) Study Section (6/04)  
NSF – Mechanisms of Inheritance (Genetics) Panel (3/16)  
NIH - Special Emphasis Panel (SEP) on cancer genetics and genomics (7/18)  
NSF – individual reviewer of grant applications and CAREER awards (ongoing)

3. Reviewer of Manuscripts for:

Biochemistry	Journal of Cell Biology
Biochimie	Journal of Cell Science
Biotechniques	Journal of Cellular Biochemistry
Canadian Journal of Biochemistry & Cell Biology	Journal of Molecular Biology
Cell	Journal of Molecular Evolution
Cell Motility and the Cytoskeleton	Journal of Structural Biology
Chromosoma	Molecular Biology and Evolution
Chromosome Research	Molecular Biology of the Cell
Current Opinions Genetics & Development	Molecular and Cellular Biology
Developmental Biology	Molecular Cell
eLife	Nature Communications
EMBO Journal	Nature Protocols
Experimental Cell Research	Nucleic Acids Research
F1000	Nucleus
FEBS Open	OncoTarget
Gene	PLoS Genetics
Genes and Development Genetics	PLoS One
Genetics	Proceedings of the National Academy of Science
Genome Research	Protein Expression and Purification
Hereditas	Proteins
Human Genetics	RNA
Insect Biochemistry	Science
Insect Molecular Biology	Transcription
Insect Physiology	
Journal of Biological Methods	

4. Editorial Boards:

(A) Member of *Chromosoma* editorial board (1989-2011)  
(i) editor-in-chief of special volume on the nucleolus (1997)  
(ii) member of steering committee for International Conference on Chromosomes in 1998 (Costa Rica) and in 2001 (Rio de Janeiro)  
(B) Member of *F1000* (faculty of 1000) (2012-2023)  
(C) Handling Editor for *PLoS Genetics* (2014)

5. External Reviewer of Grant Applications for:

Alberta Heritage Foundation for Medical Research (Canada)  
American Cancer Society  
American Chemical Society  
Cancer Research Campaign (England)  
Connecticut Sea Grant Program  
Fondation pour la Recherche Médicale (FRM)(France)  
Human Frontier Science Program (HFSP)  
International Human Frontiers Science Program  
John Templeton Foundation  
National Environment Research Council (England)

National Science Foundation (NSF)  
National Sciences and Engineering Research Council of Canada  
Medical Research Council (MRC)(United Kingdom)  
Petroleum Research Fund  
Sloan Foundation  
Soros Foundation (USA aid to USSR)  
Wellcome Trust (United Kingdom)

6. External Reviewer for Faculty Promotions/Renewals at Other Institutions:

- a) Faculty Promotions/Renewals (in chronological order)
- Sandra Wolin – Yale University (New Haven, CT)  
Pat DiMario – Louisiana State University (Baton Rouge, LA) – Assoc. Professor with tenure  
Gregory Matera – Case Western Reserve University (Cleveland, Ohio) – Assoc Prof., Full Prof.  
Michael McAlear – Wesleyan University (Middletown, CT)  
Janet Leatherwood – State University of New York (Stony Brook, NY)  
Brenda Peculis – National Institutes of Health (Bethesda, MD)  
Chris Pearson - Hospital for Sick Children (Toronto, Canada)  
Mel DePamphilis – National Institutes of Health (Bethesda, MD)  
Brian Calvi - University of Pennsylvania (Philadelphia, PA)  
Geoffrey Kapler - Texas A and M (Texas)  
Joan Politz - University of Massachusetts Medical School (Worcester, MA)  
Mirit Aladjem – National Institutes of Health (Bethesda, MD)  
Michael Weinreich – Van Andel Institute (Grand Rapids, MI)  
Brenda Peculis – University of Missouri (Columbia, MO)  
Brian Calvi – Indiana University (Bloomington, IN); also AAAS member nomination  
Fyodor Urnov – University of California – Berkeley (Berkeley, CA)  
Ji-Long Liu – MRC Functional Genomics Unit (Oxford, UK)  
Chun Liang – Hong Kong University of Science and Technology (Hong Kong, China)  
Katrin Karbstein – Scripps Research Institute (FL)  
Anton Petrov– Georgia Institute of Technology (Atlanta, GA)  
Wenge Zhu – George Washington University (Washington DC)  
Michael Weinreich – Van Andel Institute (Grand Rapids, MI)  
Igor Chesnokov – University of Alabama (Birmingham, AL) – Assoc. Prof., Full Professor  
Patrick DiMario – Louisiana State University (Baton Rouge, LA) – named Chair Full Professor  
Rebecca Page – University of Connecticut School of Medicine (Farmington, CT) – Full Professor  
Jack Bateman - Bowdoin College (Brunswick, ME) – Full Professor  
Debora Angeloni - Scuola Superiore Sant'Anna (Pisa, Italy) - Associate Professor  
Akiko Kumagai – California Institute of Technology (CA) – Research Professor  
Jared Nordman – Vanderbilt University (Nashville, TN) – Associate Professor with tenure  
Mukulika Ray – Brown University (Providence, RI) – Assistant Professor, Research
- b) Review of Institutions (in chronological order)
- University of Illinois Medical School Graduate Programs (Chicago, IL)  
National Institute of Child Health and Development (Bethesda, MD)  
Marine Biological Laboratory (Woods Hole, MA)(decennial review, 2005)  
Georgetown University (Washington DC)(2010)  
University of Virginia Integrated Graduate Program (Charlottesville, VA)(2010)  
University of Texas/Baylor/ Burroughs Welcome Graduate Program (Houston, TX)(2011)  
Marine Biological Laboratory (Woods Hole, MA)(Whitman Center, 2012)  
Wesleyan University (Middletown, CT)(2013)  
National Institutes of Health OITE: Office Intramural Training and Education (Bethesda, MD; 2014)  
Marine Biological Laboratory (Woods Hole, MA)(decennial review, 2015)  
Tufts University Department of Biology (2016)

7. Graduate Education and Research Funding:

- a) member of Basic Biomedical Service Panel advisory to the committee on a study of National Needs for Biomedical and Behavioral Research Personnel organized by the National Academy of Sciences (1/1978-12/1980; ad hoc: 11/1986; testimony 1998)
- b) member of NIH workshop on minority and women research and training (5/1978)
- c) participant in National Academy of Sciences workshop on predoctoral/postdoctoral training (1986; 1993; 2001)
- d) panelist for House Subcommittee on Appropriations to testify on predoctoral training support in USA (1989)
- e) panelist for Senate Subcommittee on Appropriations to testify on predoctoral training in USA (1991)
- f) panelist on training grants for NIGMS (NIH) Council (5/1994)
- g) member of ASCB (American Society for Cell Biology) public policy committee (1989-1997)
- h) FASEB (Federation of American Societies for Experimental Biology)
  - (i) Participant in consensus conference on indirect costs (1991)
  - (ii) Participant in FASEB consensus conference on FY 1994 Federal Research Funding (1992)
  - (iii) Member of FASEB Public Affairs Advisory Committee (1994-1997)
  - (iv) Participant in FASEB consensus conference on FY 1996 Federal Research Funding (1994)
  - (v) Participant in FASEB consensus conference on FY 1997 Federal Research Funding (1995)
  - (vi) Chair of FASEB subcommittee and organizer of FASEB consensus conference on graduate education (1996)
  - (vii) Co-author of FASEB Report on biomedical graduate education (1997)
- i) AAMC (Association of American Medical Colleges)
  - (i) Member of Advisory Panel on Biomedical Research (1994-1997)
  - (ii) Member of Graduate Research Education and Training (GREAT) steering committee (1994-2000)
  - (iii) Organizing committee for GREAT meetings on Predoctoral Education in Biomedical Sciences in Medical Schools (1994, 1995, 1996, 1999)
  - (iv) Invited speaker at AAMC GREAT meetings (Leesburg, VA, 1997; Hamilton, Bermuda, 1999; Providence, RI 2007; Seattle, WA, 2019 – keynote speaker) and session chair (Florida, 1995; Westminster, CO, 2001; Providence, RI 2007; Seattle, WA 2019)
  - (v) Member of Public Policy Subcommittee of GREAT group (1998 - ~2001)
  - (vi) Chair of the AAMC GREAT group (1999)
- j) External reviewer of PhD Graduate Programs at
  - University of Illinois Medical School (Chicago, IL) (2000)
  - University of Virginia Integrated Graduate Program(Charlottesville, VA)(2010)
  - University of Texas/Baylor/ Burroughs Wellcome Graduate Program (Houston, TX)(2011)
  - NIH Office of Intramural Training and Education (OITE)(Bethesda, MD)(2014)
- k) National Academies of Science Committee on “Bridges to Independence: Identifying opportunities for and challenges to fostering the independence of young investigators in the life sciences” (2004 - 2005)
- l) Member of External Advisory Committee for Burroughs Wellcome Gene-Environment Interaction Graduate Program (Houston, TX)(2011)
- m) Invited talks on biomedical graduate education - see listing under invited talks

8. External Ph.D. Examiner for:

- a) Sharyn Endow (Mentor: Joseph Gall), Yale University 1973
- b) James Calvet (Mentor: Hallie Krider), Univ. Conn. 1976
- c) Yigong Xing (Mentor: Jeanne Lawrence), Univ. Mass. Medical School (Worcester), 1993
- d) Rocco Savino (Mentor: Giuseppina Barsacchi), Scuola Normale Superiore, Pisa, Italy, 1994
- e) Yvonne Mark (Mentor: Harold Varmus, NIH); (M.M.S. degree), Washington DC, 1995
- f) Melanie North (Mentor: Lizabeth Allison), Univ. of Canterbury (New Zealand), 1996



- g) Christin Cretic (Mentor: Johannes Walter), Harvard Medical School, 2005
- h) Asa Segerstolpe (Mentor: Lars Wieslander), Stockholm University (Sweden), 2012
- i) Catherine Mageeney (Mentor: Vassie Ware), Lehigh University, PA, 2018
- j) Eleni Arch (Mentor: Arthur Forer), York University (Canada), 2022

C. Service to the Community

- 1. participant in History of Science German club (Prof. Erikson) (1972-1975)
- 2. co-district commissioner of Palmer River Pony Club (1972-1975); life member US Pony Clubs
- 3. member of Seekonk Taxpayers Association (1972-1978)
- 4. member of Seekonk League of Women Voters, and Observer for Seekonk Zoning and Conservation Commissions (1972-1979)
- 5. life member of U.S. Pony Clubs, Inc. (1972-present)
- 6. member of Yale Alumni (RI) Schools Committee (1973-1981; 1982-1987)
- 7. member of Yale Alumni (RI) Executive Committee (1974-1981)
- 8. member of Seekonk Land Conservation Trust (1974-present)
- 9. Panelist on Women in Science, for 8th graders, R.I. Office of Higher Education (6/1989)
- 10. American Cancer Society, R.I. Chapter- Member of Executive Board (1988-1994); Member of Nominations Committee (1991) and Communications Committee (1992-1994)
- 11. member of Rehoboth Land Conservation Trust (2010-present)
- 12. member of Rehoboth Garden Club (2011-present) – Chair of Civic Beautification

**11. Membership and Service in Professional Societies:**

1. American Society for Cell Biology (ASCB)

- 1973: (a) organized New England group travel to 13th annual meeting  
(b) invitational platform speaker at workshop on cytological methods
- 1974: (a) program committee member for 14th annual meeting  
(b) organized New England charter flight to 14th annual meeting
- 1976: (a) session cochairman for "Ribosomes & Protein Synthesis"  
(b) reviewer of abstracts on the "Nucleus" for 1st International Meeting of Cell Biology
- 1978: Reviewer of Nucleic Acids abstracts for 1978 meeting
- 1979: (a) organizer of group flight to Texas  
(b) reviewer of Nucleic Acids abstracts for 1979 meeting
- 1985: (a) member of 1985 Program Committee for National Meeting of ASCB (Atlanta, GA)  
(b) member of 1985 long range planning committee of ASCB
- 1986: Program Chairman for 1986 National Meeting of ASCB (Washington, DC)
- 1987: Member of 1987 Program Committee for national meeting of ASCB (St. Louis, MO)
- 1987-1988: Member of advisory committee for International Congress of Cell Biology (Montreal, Canada)
- 1988-1990: Member of Council of the ASCB
- 1988: ASCB representative to International Federation of Cell Biology Executive Council
- 1989: ASCB panel member for House Subcommittee on Appropriations (funding research and training)
- 1989-1997: Member ASCB public policy committee
- 1990: (a) Member ASCB Nominations Committee  
(b) Vice-chair, Women in Cell Biology
- 1990-1993: Member of Steering Committee of Women in Cell Biology
- 1991: (a) Chair, Women in Cell Biology  
(b) ASCB panel speaker for Senate Subcommittee on Appropriations (funding research and training)  
(c) Representative to FASEB consensus conference on indirect costs
- 1992: (a) President-elect of ASCB  
(b) Representative to regional meeting on NIH Strategic Plan  
(c) Representative to FASEB consensus conference on FY 1994 federal budget for research

1992-1993: Member of ASCB finance committee  
1993: **President** of ASCB  
1992-1994: Executive Committee of ASCB  
1994: (a) Past President of ASCB  
(b) Representative to FASEB consensus conference on FY 1996 federal budget for research  
(c) Chair of E.B. Wilson Award committee  
1994-1997: (a) Representative to FASEB Public Affairs Advisory Committee  
(b) Member of ASCB committee on FASEB affairs  
1995: Representative to FASEB consensus conference on FY 1997 Federal budget for research  
1996-present: Archives of the ASCB (I initiated the ASCB archives, and am responsible for acquisition of materials; I am interviewing all past Presidents of ASCB)  
1997: Member of Nominations Committee (for officers and council)  
2000: Member of E.B. Wilson Award Nominations Committee  
2006-2010 Member of ASCB 50<sup>th</sup> Anniversary Committee  
2010 Member of committee to select the Early Career Life Scientist Awardee  
2014: Member of E.B. Wilson Award Nominations Committee  
2016: Sandra Masur Senior Award from WICB (Women in Cell Biology)  
2017-present: Fellow of the ASCB

2. Genetics Society of America  
Chairman of Committee to prepare a booklet on Careers in Genetics (1984-1987)  
Chairman of *Sciara* Stock Collection Committee/*Sciara* Endowment Trust (2001 - present)  
Genetics Society of America (GSA) George Beadle award (2017)
3. Sigma Xi (previously)  
National Lecturer (1981-1983)
4. Society for Developmental Biology
5. American Society for Microbiology (previously)
6. American Association for Cancer Research (previously)
7. American Society for Biochemistry and Molecular Biology
8. RNA Society  
Co-chair of Nucleolus Workshop (1996)  
Nominated to run for President (1997)  
Originator and Co-organizer of student lunch discussion on careers (2002)  
RNA Society/Cold Spring Harbor Laboratory Press Distinguished Research Mentor award (2022)

## 12. Teaching

My major aim in teaching is to train the students to critically analyze experimental design and results, to know how to draw valid conclusions from experimental data, to understand the significance of new results vis a vis the body of scientific knowledge and theory at large, and finally to be able to independently design a good experiment. I believe that it is important to begin such training even at the college freshman level, and accordingly, I introduced this into my lectures in BioMed 11 (introductory biology) and BioMed 46 (elementary genetics) which are both freshman-sophomore courses. I have developed this approach most fully in the advanced undergraduate - beginning graduate level cell biology course which I inaugurated into the Brown curriculum (BioMed 104 = BioMed 105), as well as in the MCB graduate program core course (Bio 2030). Finally, this approach can be pursued in greatest depth in graduate level seminar courses (BioMed 221, BioMed 232, BioMed 234, BioMed 255) as well as in supervision of independent laboratory research. I take pride and delight in seeing the products of my teaching efforts -- students who are able to think for themselves and are ready to carry out independent research.

<b>Dates</b>	<b>Main Teaching</b>	<b>Guest Lectures</b>
Fall/1972 Spring/1973	Bio 11 Bio 232	Bio 145 (2 lectures)
Fall/1973 Spring/1974	Bio 11 Bio 234	
Fall/1974 Spring/1975	Bio 11 Bio 104	Bio 145 (2 lectures)
Fall/1975 Spring/1976	Bio 11 Bio 104	
Fall/1976 Spring/1977	Bio 11 Bio 104	Bio 131 (2 lectures)
Fall/1977 Spring/1978	Bio 11 Bio 104	Bio 12 (1 lecture)
Fall/1978 Spring/1979	Bio 255 Bio 293 (grad. Phys. Biochem.) No teaching (RCDA)	Bio 11 (1 lecture)
Fall/1979 Spring/1980	No teaching (RCDA) Bio 104	
Fall/1980	Bio 105	Bio 131 (1 lecture)

<b>Dates</b>	<b>Main Teaching</b>	<b>Guest Lectures</b>
Spring/1981	Bio 46	
Fall/1981	No teaching (sabbatical)	
Spring/1982	No teaching (sabbatical)	
Fall/1982	Bio 105	Bio 11 (1 lecture)
Spring/1983	No main teaching	Bio 46 (1 lecture)
Fall/1983	Bio 105	
Spring/1984	Bio 32	Bio 46 (1 lecture)
Fall/1984	Bio 105 Bio 151	
Spring/1985	Bio 293 (MCB trainer seminars) No main teaching since did double duty in fall term	
Fall/1985	Bio 105	
Spring/1986	Bio 293 (MCB trainer seminars) Bio 232	
Fall/1986	Bio 105	
Spring/1987	Bio 201 (MCB trainer seminars) No main teaching since did double duty in fall term	
Fall/1987	Bio 105 Bio 131	
Spring/1988	Bio 201 (MCB trainer seminars) No main teaching since did double duty in fall term	
Fall/1988	Bio 105	Bio 131 (1 lecture)
Spring/1989	Bio 201 (MCB trainer seminars) Bio 232	
Fall/1989	No teaching (sabbatical)	Bio 201A
Spring/1990	No teaching (sabbatical)	Bio 20 (1 lecture)
Fall/1990	Bio 105	Bio 201A (MCB trainer seminar)
Spring/1991	No main teaching	
Fall/1991	Bio 105	Bio 201A (MCB trainer seminar)
Spring/1992	Pfizer Cell Biology Course Bio 232	
Fall/1992	Bio 105	
Spring/1993	Bio 201A (course leader) No teaching since did double duty in fall term	
Summer/1993		Early Identification Program for Minorities (2 lectures)

<b>Dates</b>	<b>Main Teaching</b>	<b>Guest Lectures</b>
Fall/1993	Bio 105 Bio 201A (course leader)	
Spring/1994	No teaching since did double duty in fall term	
Fall/1994	Bio 105 Bio 201A (course leader)	
Spring/1995	No teaching since did double duty in fall term	
Fall/1995	Bio 105 Bio 201A (course leader)	
Spring/1996	No teaching since did double duty in fall term	
Fall/1996	Bio 201A (course leader, despite being on sabbatical)	
Spring/1997	No teaching (sabbatical)	
Fall/1997	Bio 105 Bio 201A (course leader)	
Spring/1998	No teaching since did double duty in fall term	
Fall/1998	Bio105 Bio 201A (course leader)	
Spring/1999	no teaching since did double duty in fall term	
Fall/1999	Bio 105 Bio 201A (course leader) Bio 221	
Spring/2000	No teaching since did triple duty in fall term	Bio 201B (1 lecture)
Fall/2000	Bio 105 Bio 201A (course leader)	
Spring/2001	No teaching since did double duty in fall term	Bio 201B (1 lecture)
Fall/2001	Bio 105 Bio 201A (course leader)	
Spring/2002	No teaching since did double duty in fall term	Bio 201B (1 lecture)
Fall/2002	Bio 105 Bio 201A (course leader)	

<b>Dates</b>	<b>Main Teaching</b>	<b>Guest Lectures</b>
Spring/2003	No teaching since did double duty in fall term	Bio 201B (1 lecture)
Fall/2003	Bio 105	
Spring/2004	Bio 201A (course leader) Bio 232	Bio 201B (1 lecture)
Fall/2004	Bio 105/205	
Spring/2005	Bio 201A (course leader) No teaching since did double duty in fall term	
Fall/2005	Bio 201A (course leader)	
Spring/2006	No teaching (sabbatical)	Bio 201B (1 lecture)
Fall/2006	Bio 105/205	
Spring/2007	Bio 201A (course leader) No teaching since did double duty in fall term	
Fall/2007	Bio 105/205	
Spring/2008	Bio 201A (course leader) No teaching since did double duty in fall term	
Fall/2008	Bio 105/205	IMSD module -how to read a paper
Spring/2009	Bio 201A (course leader) No teaching since did double duty in fall term	
Fall/2009	Bio 201A (course leader)	
Spring/2010	No teaching (sabbatical)	
Fall/2010	Bio 105/205	IMSD module –how to read a paper
Spring/2011		
Fall/2011	Bio 1050/2050	IMSD module –how to read a paper
Spring/2012	Bio 2210	
Fall/2012	Bio 1050/2050	IMSD module –how to read a paper
Spring/2013		
Fall/2013	Bio 1050/2050	IMSD module –how to read a paper
Spring/2014	Bio 2000D	

Dates	Main Teaching	Guest Lectures
Fall 2014	Bio 1050/2050 Bio 2030	IMSD module –how to read a paper Workshop on <i>Sciara</i> maintenance
Spring 2015	No teaching since did double duty in fall term	
Fall 2015	Bio 1050/2050 Bio 2030	IMSD module –how to read a paper
Spring 2016	No teaching since did double duty in fall term	
Fall 2016 Spring 2017	No teaching (sabbatical)	IMSD module –how to read a paper
Fall 2017	Bio 1050/2050 Bio 2030	IMSD module –how to read a paper
Spring 2018	No teaching since did double duty in fall term	
Fall 2018	Bio 1050/2050 Bio 2030	
Spring 2019	No teaching since did double duty in fall term	
Fall 2019	Bio 1050/2050 Bio 2000A	
Spring 2020	No teaching since did double duty in fall term	
Fall 2020	Bio 1050/2050 Bio 2000A	
Spring 2021	No teaching since did double duty in fall term	
Fall 2021	Bio 1050/2050 (double load)	
Spring 2022	No teaching since did double duty in fall term	Non-credit undergrad seminar on chromosomes (5 students)
Fall 2022	Bio 1050/2050 (double load)	Non-credit undergrad independent research
Spring 2023	No teaching since did double duty in fall term	Non-credit undergrad independent research

Main teaching during my career at Brown:

Bio 11 introductory biology-developmental biology component  
 Bio 32 introductory embryology

Bio 46	introductory genetics
Bio (104),105/205,1050/2050	advanced cell biology
Bio 131	developmental biology
Bio 151	molecular genetics
Bio 201/293	MCB trainer seminars (course leader)
Bio 2000	graduate seminar in current topics in MCDB (antibiotics; RNA)
Bio 2030	MCB graduate program core course (double credit)
Bio 220/221	graduate seminar in molecular biology/biochemistry
Bio 232/234	graduate seminar in developmental biology
Bio 255	graduate seminar in molecular genetics

Undergraduate Independent Study (Bio 1950, 1960)

1972/1973:	Tim Livermore (Honors), Kathy Kindle
1973/1974:	Jacqueline Hess (Honors), Johnye Ballenger Long (unofficial), Carol Liang (unofficial), Amy Paller (unofficial)
1974/1975:	Jeff Gilbard
1975/1976:	Carol Liang (Honors), Rhona Borts (Honors)
1976/1977:	Leslie Magnus (Honors)
1979/1980:	Brian Tague, Marlon Maus
1980/1981:	Brian Tague (Honors), Marlon Maus (Honors), Linda Folley
1981/1982:	none (on sabbatical)
1982/1983:	Jacqueline Levasseur (Honors); Kimberly Howard (Honors)
1983/1984:	Laurie Curry (Honors)
1984/1985:	Sarah Sliney
1985/1986:	Sarah Sliney (Honors), Janet Novak (Honors), Eric Mok
1986/1987:	Eric Mok (Honors)
1990/1991:	Adam Boxer (second reader for his Honors thesis; Grabowski Lab)
1991/1992:	Daniel Alam (Honors); Arshad Ahsanuddin (Honors)
1992/1993:	Jordana Friedman (Honors); Rachel Kleinman
1993/1994:	Maneesh Batra (Honors); Rachel Kleinman
1994/1995:	Rachel Kleinman, Yuki Young (Honors), Beth Ryder (Honors)
1995/1996:	Rachel Mitchell (second reader for her Honors thesis; Hendrickson Lab)
1997:	Irene Ho
1998/1999:	Irene Ho, Hannah Blitzblau (Honors), Lourdes Aleman (Honors) Megan Rokop (second reader for her Honors thesis; Mowry lab)
1999/2000:	Irene Ho (Honors), Hannah Cohen (Honors)
2000/2001:	Jennifer Hou (second reader for Honors thesis; Mowry lab)
2001/2002:	Mary Holt
2002/2003:	Genee Lee (Honors)
2003/2004:	Kelly Cockcroft; Elliot Lieberman (Honors)
2004/2005:	Elliot Lieberman (Honors); Lyam Vasquez (Leadership Alliance summer research)
2005/2006:	Shilpa Gowda (summer research)
2006/2007:	Christopher Burke (Honors); Alison Singer (Honors; Leduc graduation prize)
2007/2008:	Srividya Kalyanaraman, Elizabeth Schroeder, Julia Beamesderfer
2008/2009:	Elizabeth Schroeder (Honors), Julia Beamesderfer (Honors), Gerald Liew (Honors), Sue Hahn
2009/2010:	Aviva Loew (Honors), Lydia Williams, Deborah Smith, Dominic Wu (summer), Adrien Le Thomas (visiting undergrad from France)
2010/2011:	Lydia Williams (Honors), Maria del Carmen Escriba Perez (visiting student from Spain)
2011/2012:	Deborah Smith (Honors), David Winer
2012/2013:	Michael Sider (Senior Honors), Katherine Ely (Freshman), Beverly Naigles (Sophomore)
2013/2014:	Julia Borden (Senior Honors), Katherine Ely (Sophomore), Beverly Naigles (Junior)
2014/2015:	Samantha Paul (summer), Beverly Naigles (Senior Honors)
2015/2016:	Sevde Nur Karatas (summer undergrad from Turkey), Leo Kadota (Senior Honors and undergrad biology prize; academic accomplishment Master's degree graduation prize),



2016/2017	Audrey Lee (Senior Honors), Julia Leung (Senior Honors), Aisha Keown-Lang Aisha Keown-Lang, Benjamin Doughty (Senior Honors; biology prize at graduation)
2017/2018	Jacob Marglous, Wen-Ya (Winnie) Fan
2018/2019	Jacob Marglous, Wen-Ya (Winnie) Fan (Senior Honors; Biology prize at graduation), Pim Kijkool, Hanley Ma
2019/2020	Pim Kijkool, Hanley Ma, Jaison Jain (Elizabeth Leduc graduation award)
2020/2021	none
2021/2022	Sarah Kim (volunteer research, not for credit); Non-credit undergrad seminar on chromosomes (Aliyah Battle, Ava Filiss, Sarah Kim, Hanna Richman, Mariana Witmer)
2022/2023	Ava Filiss (independent research, not for credit)

Graduate Research Supervised in my Laboratory (BioMed 291-2, 295-6; 2980-1) (r = research rotation)

1974:	Mary Jane Potash (r)
1976/1977	Albert Abbott, Elizabeth Taparowsky
1977/1978:	Albert Abbott, Elizabeth Taparowsky, Richard Gourse, Jeanne Lawrence (r), Carol Liang (M.Ms.candidate)
1978/1979:	Dan Romero (r), Albert Abbott, Elizabeth Taparowsky, Richard Gourse
1979/1980:	Albert Abbott, Elizabeth Taparowsky, Richard Gourse, Michele Goyette-Boulay (MS)
1980/1981:	Albert Abbott, Elizabeth Taparowsky, Michele Goyette-Boulay (MS), Laurel Spear (r), Carol Liang (M.Ms.)
1981/1982:	Elizabeth Taparowsky, Carol Liang (M.Ms.)
1982/1983:	Anne Whitney, Susan DiBartolomeis
1983/1984:	Anne Whitney, Susan DiBartolomeis, Elizabeth DeStasio (r)
1984/1985:	Anne Whitney, Susan DiBartolomeis, Barbara Stebbins-Boaz
1985/1986:	Anne Whitney Kerrebrock, Susan DiBartolomeis, Barbara Stebbins-Boaz
1986/1987:	Anne Whitney Kerrebrock, Susan DiBartolomeis, Barbara Stebbins-Boaz
1987/1988:	Anne Whitney Kerrebrock, Susan DiBartolomeis, Barbara Stebbins-Boaz, A. Douglas Laird (r)
1988/1989:	Anne Whitney Kerrebrock, Susan DiBartolomeis, Barbara Stebbins-Boaz, Nan Wu
1989/1990:	Barbara Stebbins-Boaz, Nan Wu, Chun Liang, Rafael Rivera-Leon
1990/1991:	Nan Wu, Chun Liang, Rafael Rivera-León, Rick Clark (r), Fyodor Urnov
1991/1992:	Nan Wu, Chun Liang, Rafael Rivera-León, Fyodor Urnov, Sang Eun Lee (r)
1992/1993:	Nan Wu, Chun Liang, Rafael Rivera-León, Fyodor Urnov
1993/1994	Rafael Rivera-León, Fyodor Urnov, Michael Ezrokhi, Ongkar Khalsa (r)
1994/1995:	Rafael Rivera-León, Fyodor Urnov, Michael Ezrokhi, Ongkar Khalsa (r)
1995/1996:	Fyodor Urnov, Michael Ezrokhi
1996/1997:	Michael Ezrokhi, Oxana Karpenko (r)
1997/1998:	Michael Ezrokhi, Ekaterina Voronina (r)
2000/2001:	Michael Foulk (r), Daniel Rodriguez-Correa (r)
2001/2002:	Michael Foulk
2002/2003:	Michael Foulk, Eric Gustafson (r)
2003/2004:	Michael Foulk, Eric Gustafson, Lindsay Lovasco (r), Stephen Doris (r)
2004/2005:	Michael Foulk, Eric Gustafson, Stephen Doris
2005/2006:	Michael Foulk, Eric Gustafson, Stephen Doris, Michael Bronson (r)
2006/2007:	Michael Foulk, Stephen Doris
2007/2008:	Stephen Doris, Viet Le (r)
2008/2009:	Stephen Doris
2009/2010:	Leila Rieder (r), Adrien Le Thomas (visiting grad student from Paris, France), Marie Carmen Escriba (visiting grad student from Madrid, Spain)
2010/2011:	John Urban (r)
2011/2012	John Urban
2012/2013:	John Urban
2013/2014:	John Urban
2014/2015:	John Urban

2015/2016: John Urban

2016/2017: John Urban (Ph.D.), Leo Kadota (M.Sc), Audrey Lee (M.Sc.), Julia Leung (M.Sc.)

Students I have trained through completion of their Ph.D. (n=14)

\* indicates winner of Barry Rosen award for best Ph.D. thesis in molecular biology

- \* Richard Gourse, Ph.D. May, 1980 resulting in 4 papers and 4 abstracts. Jane Coffin Childs postdoctoral fellow with Dr. Masayasu Nomura, University of Wisconsin; Asst. Prof., University of Georgia (Athens); Asst., Assoc. and Full Prof. and Ira L. Baldwin Professor; University of Wisconsin (Madison); Chair of Department of Bacteriology, Fellow of American Academy of Microbiology (2003); fellow of AAAS (2003); NIH Merit award (2007)
- Albert Abbott, Ph.D. October, 1980 resulting in 2 papers and 2 abstracts. Rockefeller Foundation postdoctoral fellow with Dr. Richard Flavell, Plant Breeding Institute, Cambridge, England; Asst., Assoc. and Full Prof., Robert and Lois Coker Professor of Molecular Genetics; Clemson University (Clemson, South Carolina); retired.
- Elizabeth J. Taparowsky, Ph.D. June, 1982 resulting in 2 papers and 1 abstract. NIH postdoctoral fellow with Dr. Michael Wigler, Cold Spring Harbor Laboratory, NY; Asst., Assoc. and Full Prof., Associate Dean for Research and Graduate Education, Purdue University (Indiana); retired.
- \* Susan M. DiBartolomeis, Ph.D. June 1989 resulting in 3 papers and 6 abstracts. NIH postdoctoral fellow with Dr. Rob Jackson at the Worcester Foundation for Experimental Biology (Mass.); Asst. and Assoc. Prof., Millersville University (Pennsylvania); retired.
- \* Anne W. Kerrebrock, Ph.D. June 1989 resulting in 2 papers and 2 abstracts. NIH postdoctoral fellow with Dr. Terry Orr-Weaver at the Whitehead Institute, M.I.T. (Massachusetts); Manager of Eric Landers' lab (MIT); homemaker, high school teacher training; retired.
- Barbara Stebbins-Boaz, Ph.D. June 1990 resulting in 4 papers and 5 abstracts. NIH postdoctoral fellow with Dr. Joel Richter at the Worcester Foundation for Experimental Biology (Massachusetts); Asst. and Assoc. Prof., Biology Department Chair Willamette University (Oregon); retired.
- \* Chun Liang, Ph.D. June 1993 resulting in 4 papers and 15 abstracts. Postdoctoral fellow with Dr. Bruce Stillman at the Cold Spring Harbor Laboratory (New York); Asst. and Assoc. Prof., Center for Cancer Research Assoc. Director; Hong Kong University of Science and Technology
- Nan Wu, Ph.D. June 1994 resulting in 2 papers and 7 abstracts. Postdoctoral fellow with Dr. Allan DiAndrea at Harvard Medical School - Dana Farber (Massachusetts); Law degree from Georgetown University; patent lawyer and partner of Morgan Lewis and Bockius and then Cooley, Godward Kronish, San Francisco, CA; retired.
- Rafael Rivera-León, PhD June 1995, resulting in 2 papers and 5 abstracts. Postdoctoral fellow with Barbara Vold at Stanford University (California); Staff Scientist at Syva (Syntex), Stanford, CA
- \* Fyodor Urnov, PhD June 1996, resulting in 3 papers and 15 abstracts. Postdoctoral associate with Susan Gerbi at Brown University. Postdoctoral fellow with Alan Wolffe at NIH (MD); staff scientist - Sangamo (California); adjunct Asst., Assoc. and full Prof., Univ. CA – Berkeley; Associate Director at the Altius Institute for Biomedical Sciences (GlaxoSmithKline); Innovative Genomics Institute (IGI) Scientific Director of Technology and Translation (2019-).
- Michael Ezrokhi, Ph.D. June 1998, resulting in 5 papers and 17 abstracts. Staff scientist at R.I. Clinical Laboratory; VeroScience: Executive Team and Lead Scientist in charge of Molecular Biology.
- Michael Foulk, Ph.D. May 2007, resulting in 3 papers and 19 abstracts. Postdoctoral with Susan Gerbi (Brown); Instructor (Brown); Assistant Professor, Mercyhurst University, Erie, PA
- Stephen M. Doris, Ph.D. May 2010 resulting in 1 published paper, several papers in preparation and 18 abstracts. Postdoctoral with Susan Gerbi at Brown (2010). Postdoctoral with Fred Winston at Harvard Medical School. Arrakis Therapeutics staff scientist (2019-).
- \* John Urban, Ph.D. Dec. 2016 resulting in 4 published papers, several papers in preparation, 37 abstracts. Postdoctoral with Allan Spradling at the Carnegie Institution for Science (Baltimore, MD)

Postdoctoral Research Supervised

- 1972-1974 Sam Mowbray (jointly with Dr. Art Landy)
- 1976-1979 Juana Pincheira Vega (O.A.S. fellow from Chile)
- 1977-1978 Rainer Renkawitz (Univ. Düsseldorf; D.F.G. fellow from W. Germany)
- 1977-1978 Renate Renkawitz-Pohl (Univ. Düsseldorf;W. Germany)

1977-1980	Rein Brand (Netherlands)
1978-1981	Ranjana Srivastava (India)
1978-1982	Lloyd Matsumoto (Cal. Tech., UCLA)
1980-1981	Helmut Baumlein (E. Germany)
1981-1984	Marion Bona (D.F.G. fellow from W. Germany)
1981-1982	Stefania DeLucchini (Scuole Normale Superiore fellow from Italy)
1981-1985	Vassie Ware (Yale University)
1983	Catalina Fresquez (sabbatical visitor from Incarnate Word College, San Antonio, TX)
1983-1985	Judith Furlong (University of Glasgow, Scotland)
1984	Albert Abbott (previous predoctoral student of mine)
1985-1987	Claus Jeppesen (University of Copenhagen, Denmark)
1985-1987	Lynn Rothschild (Brown University)
1987-1990	Brigitta Bienz-Tadmor (Weizmann Inst., Israel)
1988-1990	Massimiliano Andreazzoli (University of Pisa, Italy)
1988-1991	Rocco Savino (Scuole Normale Superiore fellow from Italy)
1989	Francisco Lara (sabbatical visitor from the University of Sao Paulo, Brazil)
1989-1990	Barbara Stebbins-Boaz (previous predoctoral student of mine)
1990-1994	Youssef Hitti (Marquette University, Milwaukee, WI)
1991-1994	Amy Bertino (University of Cincinnati, Ohio)
1994-2003	Anton Borovjagin (Moscow State University, Russia)
1995-1998	Thilo Sascha Lange (University of Düsseldorf, Germany)
1995-1999	Victoria Lunyak (Petersburg Nuclear Physics Institute, St. Petersburg, Russia)
1995-2000	Anja-Katrin Bielinsky (University of Düsseldorf, Germany) – Leukemia Society of America Scholar and Asst. and Assoc. Prof., University of Minnesota (Minneapolis, MN)
1996-1998	Fyodor Urnov (previous predoctoral student of mine)
1996- 2000	Melanie North (University of Christchurch, New Zealand)
1998- 2001	Michael Ezrokhi (previous predoctoral student of mine)
2001- 2002	Federico Odreman (Intl. Ctr. for Genetic Engineering & Biotech., Trieste, Italy)
2001- 2003	Zaklina Strezoska (University of Illinois, Chicago, IL)
2002- 2003	John M. Waggener (Louisiana State University, Baton Rouge, LA)
2001- 2003- 2007	Yutaka Yamamoto (Biozentrum, Basel, Switzerland; University of Cambridge, Cambridge, U.K.); Postdoc 2001-2006; Investigator 2007-2009; Research Associate 2010-present
2005-2008	Janell Johnson (University of North Dakota)
2007- 2014	Brigitte de Saint Phalle (University of CA) – shared postdoc with Rudolf Oldenbourg (MBL) Michael Foulk (previous predoctoral student of mine); Postdoc 2007-2010; Research Associate 2011-2014, Adjunct Instructor 2008-2014
2010	Stephen M. Doris
2010- 2014	Raphyel Rosby (Louisiana State University)
2010- 2014	Cinzia Casella (University of Padua, Italy; DOD BCRP Postdoc Fellow)
2016- 2021	Miiko Sokka (University of Eastern Finland)
2018- 2021	Hemakumar Reddy Mutra (Jawaharlal Nehru University, New Delhi, India; NIEHS; Univ FL)

Previous Research Assistants (subsequent occupations listed)

Ingrid M. Mercer	(housewife; part-time research assistant in my lab)
Paula Bonazinga	(housewife)
Michele Goyette	post-doc with Eric J. Stanbridge, University of California-Irvine
Jacqueline Levasseur	marketing staff, Bristol-Meyers Oncology Division
Richard Gourse	Ph.D. Brown University; post-doc with A. Dahlberg & M. Nomura, Asst. Prof. - University of Georgia, Asst., Assoc. and Full Prof. - University of Wisconsin (Madison)
Brian Tague	Ph.D. University of California-San Diego; post-doc Harvard University Medical School; Asst. and Assoc. Prof., Wake Forest University (NC)
C. Graham Clark	Ph.D. Rockefeller University; post-doc NIH; senior staff scientist, now professor of Molecular Parasitology and Associate Dean of Education at London School of Hygiene and Tropical Medicine

Stephen R. Mayes	Ph.D. Imperial College, London; post-doc Imperial College, London; Consultant - Cambridge Technology Centre (England)
Ramon Tabtiang	undergraduate at Cambridge University, England; graduate student at UCSF (Cynthia Kenyon); postdoc at MIT (Robert Sauer); patent lawyer (Fish and Richardson)
Josephine Spitzer	(M.S., Indiana University); research staff associate at Pfizer
Heidi Smith	(M.S., Brown University); housewife
Shellee Morehead	(Ph.D., University of Utah; Postdoc and Asst. Prof. Bucknell University); housewife
Jacob E. Bliss	(BA, Roger Williams University, RI)

2022/2023 Research Group

Yutaka Yamamoto, MD, PhD	Research Associate Staff Scientist
Aaliyah Battle	Undergraduate Research Assistant
Ava Filiss	Undergrad Research Assistant
Hanna Richman	Undergraduate Research Assistant
Mariana Witmer	Undergraduate Research Assistant