

CURRICULUM VITAE OF SUSAN A. GERBI, PH.D.

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CURRICULUM VITAE

1. **Name:** Susan Alexandra Gerbi

2. **Business Address:** Brown University
69 Brown Street, J.W. Wilson Laboratory, room 321
Division of Biology and Medicine
Providence, Rhode Island 02912
(401) 863-2359

3. **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,
Tübingen, W. Germany 1970-1972

 - D. Honorary Degrees: Brown University, M.A. ad eundum 1980

4. **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

5. 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)
 - 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 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- present)
 - 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 (1991)
 - (iii) President (1993) 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 steering committee for International Meeting on Chromosomes (Guanacaste, Costa Rica, 4/1998; Rio de Janeiro, 5/2001)
 - i. Nominated to run for President of the RNA Society (1997)
 - j. Chair of AAMC Graduate Research Education and Training (GREAT) group (1999)
 - k. Listed in:
 - American Men & Women in Science, 13-16th 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.

6. **Extramural Grants with S. Gerbi as Principal Investigator**

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

	<u>Total Direct Cost</u>
1. Jane Coffin Childs Memorial Fund #306, 7/1973-6/1974 "Structural Aspects of Two Genetic Loci"	\$10,000
2. NIH-GM20261, 4/1974-3/1977, (years 1-3) "Fine Structure of Ribosomal RNA"	68,346
3. NIH-GM00036, 7/1975-6/1980 Research Career Development Award	full salary
4. NIH-GM22882, 5/1976-4/1979 "Chromosomes: Genetic Units in Heterochromatin"	61,800
5. ACS -NP227, 1/1977-12/1979 "Evolution and Replication of Satellite DNA"	87,500*
6. NIH-GM20261, 4/1977-3/1982, (years 4-8) "Fine Structure of Ribosomal RNA"	295,712
7. NSF-PCM 78-16006, 1978 "Support of research equipment: Hewlett-Packard Digitizer Calculator"	12,200
8. NIH-GM26070, 4/1979-3/1982 "Structure of Polytene Chromosomes"	195,445
9. ACS -CD76, 7/1980-6/1983 "Replication of Bovine Satellite DNA"; co PI: Dr. Lloyd Matsumoto	125,000*
10. NSF-PCM 80-22812, 1981 "Acquisition of equipment for research in molecular genetics" (Spinco ultracentrifuge), co-P.I.s: Drs. Arthur Landy and Peter Shank	23,400
11. NIH-GM08514, 9/1981-6/1982 National Research Service Award --Senior Postdoctoral Fellowship	1/2 salary + inst'l. allowance
12. NIH-GM20261, 4/1982-3/1987, (years 9-13) "Fine Structure of Ribosomal RNA"	525,046
13. NSF-PCM 81-17765, 6/1982-3/1986 "Gene Amplification: Sciarid DNA puffs"	150,000*
14. NIH-5T32-GM07601-04, 7/1982-6/1983 "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", 7/83	5,550
16. NIH-5T32-GM07601, 7/1984-6/1989, (years 6-10) "Training Grant in Cell and Molecular Biology" (Program Director)	865,262
17. ACS-NP524, 1/1986-12/1988 "Gene Amplification: Sciarid DNA puffs"	160,000*
18. NSF-DCB-8513511, 4/1986-9/1988 "Control of Chromosome Movement"	12,000*

19.	NIH-GM20261, 4/1987-3/1993, (years 14-18) "Fine Structure of Ribosomal RNA"	706,987
20.	NIH-GM35929, 3/1989-2/1994, (years 1-5) "Gene Amplification: Sciarid DNA Puffs"	687,888
21.	NIH-5T32-GM07601, 7/1989-6/1994, (years 11-15) "Training Grant in Molecular and Cell Biology and Biochemistry" (Program Director)	1,232,140
22.	ACS-NP811, 7/1992-6/1994 "Pre-rRNA Transcribed Spacer Role in Processing and U3 Nucleolar localization"	200,000*
23.	NIH-5T32-GM07601, 7/1994-6/1999, (years 16-20) "Training Grant in Molecular and Cell Biology and Biochemistry"	1,004,402
24.	NIH-GM35929, 7/1994-6/1998, (years 6-9) "Gene Amplification: Sciarid DNA puffs"	593,136
25.	NIH-GM20261, 12/1994-11/1999, (years 19-22) "Fine Structure of Ribosomal RNA"	827,886
26.	CTR - 3983 1/1995 - 12/1998, (years 1-3) "U3 snRNA and Ribosomal RNA processing"	253,056
27.	NIH-GM35929, 7/1998 - 11/2002 (years 10-13) "Gene Amplification: Sciarid DNA Puffs"	825,577
28.	NIH-5T32-GM07601, 7/1999-6/2004, (years 21-25) "Training Grant in Molecular and Cell Biology and Biochemistry"	1,142,400
29.	NIH-GM61945, 5/2001-4/2005 (years 1-4) "Biogenesis of Eukaryotic Ribosomes"	680,000
30.	NIH-GM35929, 12/2002-11/2006 (years 14-17) "Gene Amplification: Sciarid DNA Puffs"	900,000
31.	NIH-5T32-GM07601, 7/2005-6/2010, (years 26-30) "Training Grant in Molecular and Cell Biology and Biochemistry"	will be funded

Extramural Grants with S. Gerbi as Co-Principal Investigator

1.	NIH NCRR 1 P20 RR018728-02, 10/1/03 - 9/30/08 (years 1-5) "Perinatal Biology" (P.I.: James Padbury)	\$1,901,101
2.	NIH R01 EB 002583-10A1, 9/2004 - 6/2009 (years 1-5) "Development of New Automated Polarized Light Microscope" (P.I.: Rudolf Oldenbourg)	\$2,434,014

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)

7. 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/cm³). *Nucleic Acids Research* **10**: 1271-1281.
 21. E.J. Taparowsky and S.A. Gerbi (1982) Structure of 1.711b gm/cm³ 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 α and 28S β 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.
38. S.A. Gerbi, R. Savino, B. Stebbins-Boaz, C. Jeppesen and R. Rivera-Leon (1990) A role for U3 in the nucleolus? In *The Ribosome: Structure, Function and Evolution*, eds. W.E. Hill, A. Dahlberg, R.A. Garrett, P.B. Moore, D. Schlessinger and J.R. Warner. American Society for Microbiology, Washington, DC, pp. 452-469.
39. R. Savino and S.A. Gerbi (1990) *In vivo* disruption of *Xenopus* U3 snRNA affects ribosomal RNA processing. *The EMBO Journal* **9**: 2289-2308.
40. B. Stebbins-Boaz and S.A. Gerbi (1991) Structural analysis of the peptidyl transferase region in ribosomal RNA of the eukaryote *Xenopus laevis*. *Journal of Molecular Biology* **217**: 93-112.
41. M. Andreazzoli and S.A. Gerbi (1991) Changes in 7SL RNA conformation during the signal recognition particle cycle. *The EMBO Journal* **10**: 767-777.
42. B. Bienz-Tadmor, H.S. Smith and S.A. Gerbi (1991) (and **cover photo** for this issue of the journal) The promoter of DNA puff gene II/9-1 of *Sciara coprophila* is inducible by ecdysone in late prepupal salivary glands of *Drosophila melanogaster*. *Cell Regulation (Mol. Biol. Cell)* **2**: 875-888.
43. R. Savino and S.A. Gerbi (1991) Preribosomal RNA processing in *Xenopus* oocytes does not include cleavage within the external transcribed spacer as an early step. *Biochimie* (Wittmann memorial issue) **73**: 805-812 (1991); (erratum) **78**: 295.
44. B. Bienz-Tadmor, P. Tolia, B. Stebbins-Boaz, B. Mariani, S.A. Gerbi and F.C. Kafatos (1992) Chorion gene cis-regulatory DNA restricts tissue specificity of reporter gene expression in transformed *Drosophila*. *Chromosoma* **101**: 538-548.
45. R. Savino, Y. Hitti and S.A. Gerbi (1992) Genes for *Xenopus laevis* U3 small nuclear RNA. *Nucleic Acids Research* **20**: 5435-5442.
46. C. Liang, J.D. Spitzer, H.S. Smith, and S.A. Gerbi (1993) Replication initiates at a confined region during DNA amplification in *Sciara* DNA puff II/9A. *Genes and Development* **7**: 1072-1084.
47. N. Wu, C. Liang, S.M. DiBartolomeis, H.S. Smith and S.A. Gerbi (1993) Developmental progression of DNA puffs in *Sciara coprophila*: amplification and transcription. *Developmental Biology*. **160**: 73-84.
48. S.A. Gerbi, C. Liang, N. Wu, F.D. Urnov, H.S. Smith and J.D. Spitzer (1993) Ecdysone regulation of DNA amplification and transcription in DNA puff II / 9A of *Sciara coprophila*. *Cold Spring Harbor Symposium on Quantitative Biology* **58**: 487-494.
49. C. Liang and S.A. Gerbi (1994) Analysis of an origin of DNA amplification in *Sciara coprophila* using a novel three-dimensional gel method. *Molecular and Cellular Biology* **14**: 1520-1529.
50. S.A. Gerbi (1995) Small nucleolar RNA. *Biochimie et Biologie Cellulaire* **73**: 845-858.
51. S.A. Gerbi (1996) Expansion segments: regions of variable size that interrupt the universal core secondary structure of ribosomal RNA. In *Ribosomal RNA: Structure, Evolution, Processing and Function in Protein Synthesis*, eds: R.A. Zimmermann and A.E. Dahlberg. Telford - CRC Press, Boca Raton, FL. pp. 71-87.
52. S.A. Gerbi and F.D. Urnov (1996) Differential DNA replication in insect chromosomes. In *DNA Replication in Eukaryotic Cells*, ed: M. DePamphilis. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y., pp. 947-969.
53. S.A. Gerbi (1997) The nucleolus: then and now. *Chromosoma* **105** (Hadjiolov memorial issue): 385-387.
54. S.A. Gerbi and A. Borovjagin (1997) U3 snoRNA may recycle through different compartments of the nucleolus. *Chromosoma* **105** (Hadjiolov memorial issue): 401-406.
55. R. Rivera-León and S.A. Gerbi (1997) Delocalization of some small nucleolar RNPs after actinomycin D treatment to deplete early pre-rRNAs. *Chromosoma* **105** (Hadjiolov memorial issue): 506-514.

56. S.A. Gerbi and A.-K. Bielinsky (1997) Replication initiation point mapping. *METHODS: A companion to Methods in Enzymology* **13**: 271-280.
57. A.-K. Bielinsky and S.A. Gerbi (1998) Discrete start sites for DNA synthesis in the yeast ARSI origin. *Science* **279**: 95-98.
58. T.S. Lange, A. Borovjagin, E.S. Maxwell and S.A. Gerbi (1998) Conserved Boxes C and D are essential nucleolar localization elements of U8 and U14 snoRNAs. *EMBO Journal* **17**: 3176-3187.
59. T.S. Lange, A. V. Borovjagin and S.A. Gerbi (1998) Nucleolar localization elements in U8 snoRNA differ from sequences required for rRNA processing. *RNA* **4**: 789-800.
60. T.S. Lange, M. Ezrokhi, A. V. Borovjagin, R. Rivera-León, M.T. North and S.A. Gerbi (1998) (including **journal cover**) Nucleolar localization elements of *Xenopus laevis* U3 small nucleolar RNA. *Molecular Biology of the Cell* **9**:2973-2985.
61. A.V. Borovjagin and S.A. Gerbi (1999) U3 small nucleolar RNA is essential for cleavage at sites 1, 2 and 3 in pre-rRNA and determines which rRNA processing pathway is taken in *Xenopus* oocytes. *Journal of Molecular Biology* **286**: 1347-1363.
62. S.A. Gerbi, A.-K. Bielinsky, C. Liang, V.V. Lunyak, and F.D. Urnov (1999) Methods to map origins of replication in eukaryotes. In *Eukaryotic DNA Replication: a Practical Approach* (ed., S. Cotterill), Oxford University Press, pp. 1-42.
63. A.-K. Bielinsky and S.A. Gerbi. (1999) Chromosomal ARSI has a single leading strand start site. *Molecular Cell* **3**: 477-486.
64. T.S. Lange, M. Ezrokhi, F. Amaldi and S.A. Gerbi (1999) Box H and Box ACA are nucleolar localization elements of U17 snoRNA. *Molecular Biology of the Cell* **10**: 3877-3890.
65. A.V. Borovjagin and S.A. Gerbi (2000) The spacing between functional *cis*-elements of U3 snoRNA is critical for rRNA processing. *Journal of Molecular Biology* **300**: 57-74.
66. T.S. Lange and S.A. Gerbi (2000) Transient localization of U6 small nucleolar RNA in *Xenopus laevis* oocytes. *Molecular Biology of the Cell* **11**: 2419-2428.
67. A.-K. Bielinsky and S.A. Gerbi (2000) Where it all starts: eukaryotic origins of DNA replication. *Journal of Cell Science* **114**:643-651.
68. E.H. Mok, H.S. Smith, S.M. DiBartolomeis, A.W. Kerrebrock, L.J. Rothschild, T.S. Lange and S.A. Gerbi (2000) Maintenance of the DNA puff expanded state is independent of active replication and transcription. *Chromosoma* (W. Beerman Memorial Issue) **110**: 186-196.
69. A.V. Borovjagin and S.A. Gerbi (2001) *Xenopus* U3 snoRNA GAC-Box A' and Box A sequences play distinct functional roles in rRNA processing. *Molecular and Cellular Biology* **21**: 6210-6221.
70. S.A. Gerbi, A.V. Borovjagin, M. Ezrokhi and T.S. Lange (2001) Ribosome biogenesis: role of small nucleolar RNA in maturation of eukaryotic rRNA. *Cold Spring Harbor Symp. Quant. Biol.* **LXVI**: 575-590.
71. A.-K. Bielinsky, H. Blitzblau, E.L. Beall, M. Ezrokhi, H.S. Smith, M.R. Botchan and S.A. Gerbi (2001) Origin recognition complex binding to a metazoan replication origin. *Current Biology* **11**: 1427-1431.
72. S.A. Gerbi and A.-K. Bielinsky (2002) DNA replication and chromatin. *Current Opinion in Genetics and Development* **12**: 243-248.
73. F.D. Urnov, C. Liang, H.G. Blitzblau, H.S. Smith and S.A. Gerbi (2002) A DNase I hypersensitive site flanks an origin of replication and amplification in *Sciara*. *Chromosoma* **111**: 291-303 (A. Wolffe Memorial Issue).
74. V.V. Lunyak, M. Ezrokhi, H.S. Smith and S.A.. Gerbi (2002) Developmental changes in the *Sciara* II/9A initiation zone for DNA replication. *Molecular and Cellular Biology* **22**: 8426-8437.
75. S.A. Gerbi and T.S. Lange (2002) All snRNAs of the (U4/U6.U5) tri-snRNP localize to nucleoli;

identification of the NoLE of U6 snRNA. *Molecular Biology of the Cell* **13**: 3123-3137.

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118. A.V. Borovjagin and S.A. Gerbi (2000) The structure of *Xenopus* U3 small nucleolar RNA: the spacing between functional *cis*-elements of U3 snoRNA is critical for rRNA processing. Fifth annual meeting of the RNA Society, p. 238.
119. A.V. Borovjagin and S.A. Gerbi (2000) The role of U3 small nucleolar RNA for cleavage at sites A0, 1 and

- 2 in *Xenopus laevis* pre-ribosomal RNA. Fifth annual meeting of the RNA Society, p. 239.
120. M. Ezrokhi, A.V. Borovjagin, T.S. Lange and S.A. Gerbi (2000) Proteins of *Xenopus* box C/D and box H/ACA small nucleolar RNAs. Fifth annual meeting of the RNA Society, p. 323.
 121. T.S. Lange and S.A. Gerbi (2000) Transient nucleolar localization of U6 small nuclear RNA in *Xenopus laevis* oocytes. Fifth annual meeting of the RNA Society, p. 464.
 122. A.V. Borovjagin and S.A. Gerbi (2000) The role of U3 small nucleolar RNA for cleavage at sites A0, 1 and 2 in *Xenopus laevis* pre-ribosomal RNA. Fifth International Conference on Ribosome Biogenesis and Nucleolar Function (Granlibakken), p. 53.
 123. A.V. Borovjagin and S.A. Gerbi (2000) The structure of *Xenopus* U3 small nucleolar RNA: the spacing between functional *cis*-elements of U3 snoRNA is critical for rRNA processing. Fifth International Conference on Ribosome Biogenesis and Nucleolar Function (Granlibakken), p. 70.
 124. M. Ezrokhi, A.V. Borovjagin, T.S. Lange and S.A. Gerbi (2000) Proteins of *Xenopus* box C/D and box H/ACA small nucleolar RNAs. Fifth International Conference on Ribosome Biogenesis and Nucleolar Function (Granlibakken), p. 82.
 125. T.S. Lange and S.A. Gerbi (2000) Transient nucleolar localization of U6 small nuclear RNA in *Xenopus laevis* oocytes. Fifth International Conference on Ribosome Biogenesis and Nucleolar Function (Granlibakken), p. 98.
 126. A.-K. Bielinsky, M. Ezrokhi, E.L. Beall, H.S. Smith, M.R. Botchan and S.A. Gerbi (2000) Origin recognition complex binding to origin II/9A in *Sciara coprophila*. Replication 2000 Meeting (Salk Institute), p. 11.
 127. A.-K. Bielinsky, M. Ezrokhi, E.L. Beall, H.S. Smith, M.R. Botchan and S.A. Gerbi (2000) Initiation of replication at the *Sciara* II/9A origin. Dynamic organization of nuclear function (Cold Spring Harbor meeting), p. 33.
 128. A.V. Borovjagin and S.A. Gerbi (2000) The structure of *Xenopus* U3 small nucleolar RNA: the spacing between functional *cis*-elements of U3 snoRNA is critical for rRNA processing. Dynamic organization of nuclear function (Cold Spring Harbor meeting), p. 35.
 129. A.V. Borovjagin and S.A. Gerbi (2000) The role of U3 small nucleolar RNA for cleavage at sites A0, 1 and 2 in *Xenopus laevis* pre-ribosomal RNA. Dynamic organization of nuclear function (Cold Spring Harbor meeting), p. 36.
 130. M. Ezrokhi, A.V. Borovjagin, T.S. Lange and S.A. Gerbi (2000) Proteins of *Xenopus* box C/D and box H/ACA small nucleolar RNAs. Dynamic organization of nuclear function (Cold Spring Harbor meeting), p. 61.
 131. T.S. Lange and S.A. Gerbi (2000) Transient nucleolar localization of U6 small nuclear RNA in *Xenopus laevis* oocytes. Dynamic organization of nuclear function (Cold Spring Harbor meeting), p. 163.
 132. A.-K. Bielinsky, M. Ezrokhi, E.L. Beall, H.S. Smith, M.R. Botchan and S.A. Gerbi (2000) Initiation of replication at the *Sciara* II/9A origin. Weimar Conference on Genetics: Regulation of Genome Replication and Genome Repair, p. 29.
 133. S.A. Gerbi, A.K. Bielinsky, M. Ezrokhi, and H.S. Smith (2001) Origin recognition complex binding to origin II/9A in *Sciara coprophila*. Sixth international conference on Regulation of Eukaryotic DNA Replication, p.30.
 134. A.V. Borovjagin, T.S. Lange, M. Ezrokhi and S.A. Gerbi (2001) Ribosome biogenesis: role of *Xenopus* U3 small nucleolar RNA in rRNA processing. Cold Spring Harbor Laboratory Meeting on the Ribosome, p. 196.
 135. M. Ezrokhi, A.-K. Bielinsky, H.S. Smith and S.A. Gerbi (2001) ORC binding to the origin of replication and amplification of the fly *Sciara coprophila*. Cold Spring Harbor Meeting on Eukaryotic DNA Replication,

p. 71.

136. A.-K. Bielinsky, M. Ezrokhi, E.L. Beall, H.S. Smith, M.R. Botchan and S.A. Gerbi (2001) Origin recognition complex binding to origin II/9A in the fly *Sciara*. Cold Spring Harbor Meeting on Eukaryotic DNA Replication, p. 270.
137. A.V. Borovjagin and S.A. Gerbi (2001) *Xenopus* U3 snoRNA GAC-Box A' and Box A sequences play distinct functional roles in rRNA processing. *Molecular Biology of the Cell* 12: 102a.
138. S.A. Gerbi, A.V. Borovjagin and T.S. Lange (2001) All snRNAs of the [U4/U6.U5] tri-snRNP localize to nucleoli; Identification of the NoLE of U6 snRNA. *Molecular Biology of the Cell* 12: 140a.
139. A.K. Bielinsky, M. Ezrokhi, H. Blitzblau, E.L. Beall, H.S. Smith, M.R. Botchan and S.A. Gerbi (2001) Origin Recognition Complex binding to a metazoan replication origin. *Molecular Biology of the Cell* 12: 357a.
140. A.V. Borovjagin and S.A. Gerbi (2002) *Xenopus* U3 snoRNA GAC-Box A' and Box A sequences play distinct functional roles in rRNA processing. Seventh Annual Meeting of the RNA Society, p. 107.
141. T.S. Lange, A.V. Borovjagin and S.A. Gerbi (2002) The 3' end of U6 snRNA is an element for transient nucleolar localization. Seventh Annual Meeting of the RNA Society, p. 563.
142. S.A. Gerbi (2002) Initiation of DNA replication in multicellular eukaryotes. EMBO Workshop on the Nucleus.
143. S.A. Gerbi, A.V. Borovjagin, F.E. Odreman and T.S. Lange (2002) Nucleolar Localization of U4 snRNA is independent of U6 snRNA or Sm proteins but requires the 15.5 kD binding site. Cold Spring Harbor Laboratory Meeting on Dynamic Organization of Nuclear Function, p. 71.
144. A.V. Borovjagin and S.A. Gerbi (2003) Docking and function of *Xenopus* U3 snoRNA in rRNA processing. Experimental Biology (FASEB) – American Society for Biochemistry and Molecular Biology Meeting (San Diego, CA).
145. S.A. Gerbi and A.V. Borovjagin (2003) Docking and function of *Xenopus* U3 small nucleolar RNA in ribosomal RNA processing. 6th International Conference on Ribosomal Synthesis (Arcachon, France), p.30.
146. A.V. Borovjagin and S.A. Gerbi (2003) Docking and function of *Xenopus* U3 small nucleolar RNA in rRNA processing. Symposium on Nuclear Dynamics (Baltimore, MD).
147. F.D. Urnov, U. Scheer, H. Zentgraf, H.S. Smith and S.A. Gerbi (2003) Chromatin assembly at *Sciara* DNA amplification locus II/9A. Cold Spring Harbor Laboratory Meeting on Eukaryotic DNA Replication, p. 115.

Other

Patent filed by Brown University (invention disclosure 2000-7) for a new class of antibiotics based on the role of U3 snoRNA in rRNA processing.

8. **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 (Strassbourg, 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: 6th International Conference on Ribosome Synthesis (Arcachon, France)
Symposium on Nuclear Dynamics (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)
Philipps University (Marburg, Germany)
19th Wilhelm Bernhard Cell Nucleus Workshop (Münsterschwarzach, Germany)
University of Minnesota (Minneapolis, MN)

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 25th 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.)

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

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 of MCB Training Grant from NIH (7/84-)
 - l. Asst. Director of Graduate Program in Molecular Biology, Cell Biology and Biochemistry (7/1987-6/1989)
 - m. Member Dean's Fellowship Committee for entering Graduate Students (1989)
 - n. Member of Brown University Research Council (7/1990-6/1994)
 - o. Site visit team to Xavier College in New Orleans to establish link with our Ph.D. program (1991)
 - p. Member of MD-PhD executive committee (2/1994-)
 - q. Member of BioMed Division Strategic Plan Subcommittee on Graduate Students (1995)
 - r. Organizer of 21st Reunion Symposium of Graduate Program in Molecular Biology, Cell Biology and Biochemistry to honor Prof. Frank Rothman on his retirement (1997)
 - s. Member of Advisory Committee for Perinatal Biology Postdoctoral Training Grant from NIH-NICHD (P.I.: Dr. Jim Padbury, Women and Infants Hospital) (1999-)
 - t. Committee Member of Task Force on Brown-Marine Biological Lab Consortium for Graduate Education (2002-2003)
 - u. Member of Provost's Committee on graduate student tuition (2003)
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. Chairman of MCDB Section (Molecular, Cellular and Developmental Biology) (2/1994-6/1994)
 - e. Chairman of MCB Department (Molecular Biology, Cell Biology & Biochemistry) (7/1994-8/2004)
4. 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 - Rhode Island Hospital (2004 -)

5. 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 (2002)
- r. Faculty Liaison for Brown Equestrian Team (2002-)
- s. Member of Research Advisory Committee for Vice President of Research (2003-)

B. Service to the Profession

1. 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)

2. Reviewer of Manuscripts for:

- | | |
|---|--|
| Biochemistry | Journal of Cell Biology |
| Biotechniques | Journal of Cell Science |
| Canadian Journal of Biochemistry & Cell Biology | Journal of Cellular Biochemistry |
| Cell | Journal of Molecular Biology |
| Cell Motility and the Cytoskeleton | Journal of Molecular Evolution |
| Chromosoma | Journal of Structural Biology |
| Developmental Biology | Molecular Biology and Evolution |
| EMBO Journal | Molecular Biology of the Cell |
| Experimental Cell Research | Molecular and Cellular Biology |
| Gene | Molecular Cell |
| Genetics | Nucleic Acids Research |
| Hereditas | Proceedings of the National Academy of Science |
| Insect Biochemistry | Protein Expression and Purification |
| Insect Molecular Biology | RNA |

Science

3. Editorial Board Member of *Chromosoma* (1989-)
 - (a) editor-in-chief of special volume on the nucleolus (1997)

 - (b) member of steering committee for International Conference on Chromosomes in 1998 (Costa Rica) and in 2001 (Rio de Janeiro)
4. External Reviewer of Grant Applications for:
 - Alberta Heritage Foundation for Medical Research
 - American Cancer Society
 - American Chemical Society
 - Cancer Research Campaign (England)
 - Connecticut Sea Grant Program
 - International Human Frontiers Science Program
 - National Environment Research Council (England)
 - National Science Foundation
 - National Sciences and Engineering Research Council of Canada
 - Medical Research Council (Canada)
 - Medical Research Council (England)
 - Petroleum Research Fund
 - Soros Foundation (USA aid to USSR)
5. External Reviewer for Faculty Promotions/Renewals at Other Institutions
 - a) Faculty Promotions/Renewals
 - Sandra Wolin – Yale University (New Haven, CT)
 - Pat DiMario – Louisiana State University (Baton Rouge, LA)
 - Gregory Matera – Case Western Reserve University (Cleveland, Ohio)
 - 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)
 - b) Review of Institution
 - University of Illinois Medical School (Chicago, IL)
 - National Institute of Child Health and Development (Bethesda, MD)
 - Marine Biological Laboratory (Woods Hole, MA)
6. 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)

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: Archives of the ASCB (I initiated the ASCB archives, and am responsible for acquisition of materials)
- 1997: Member of Nominations Committee (for officers and council)
- 2000: Member of E.B. Wilson Award Nominations Committee

2. Genetics Society of America

Chairman of Committee to prepare a booklet on Careers in Genetics (1984-1987)

Chairman of Sciara Stock Collection Committee (2001 -)

3. Sigma Xi

National Lecturer (1981-1983)

4. Society for Developmental Biology

Dates	Main Teaching	Guest Lectures
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	
	Bio 293 (MCB trainer seminars)	
Spring/1985	No main teaching since did double duty in fall term	
Fall/1985	Bio 105	
	Bio 293 (MCB trainer seminars)	
Spring/1986	Bio 232	
Fall/1986	Bio 105	
	Bio 201 (MCB trainer seminars)	
Spring/1987	No main teaching since did double duty in fall term	
Fall/1987	Bio 105	
	Bio 131	
	Bio 201 (MCB trainer seminars)	
Spring/1988	No main teaching since did double duty in fall term	
Fall/1988	Bio 105	Bio 131 (1 lecture)
	Bio 201 (MCB trainer seminars)	
Spring/1989	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)
	Pfizer Cell Biology Course	
Spring/1992	Bio 232	
Fall/1992	Bio 105	
	Bio 201A (course leader)	
Spring/1993	No teaching since did double duty in fall term	
Summer/1993		Early Identification Program for Minorities (2 lectures)
Fall/1993	Bio 105	
	Bio 201A (course leader)	
Spring/1994	No teaching since did double duty in fall term	

Dates	Main Teaching	Guest Lectures
Fall/1994	Bio 105	
Spring/1995	Bio 201A (course leader) No teaching since did double duty in fall term	
Fall/1995	Bio 105	
Spring/1996	Bio 201A (course leader) 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	
Spring/1998	Bio 201A (course leader) No teaching since did double duty in fall term	
Fall/1998	Bio105	
Spring/1999	Bio 201A (course leader) no teaching since did double duty in fall term	
Fall/1999	Bio 105	
Spring/2000	Bio 201A (course leader) Bio 221 No teaching since did triple duty in fall term	Bio 201B (1 lecture)
Fall/2000	Bio 105	
Spring/2001	Bio 201A (course leader) No teaching since did double duty in fall term	Bio 201B (1 lecture)
Fall/2001	Bio 105	
Spring/2002	Bio 201A (course leader) No teaching since did double duty in fall term	Bio 201B (1 lecture)
Fall/2002	Bio 105	
Spring/2003	Bio 201A (course leader) 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)	

Main Teaching:

Bio 11	introductory biology-developmental biology component
Bio 32	introductory embryology
Bio 46	introductory genetics
Bio 104/105	advanced cell biology
Bio 131	developmental biology
Bio 151	molecular genetics
Bio 201/293	MCB trainer seminars
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 195, 196)

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)
2001/2002:	Mary Holt
2002/2003:	Genee Lee (Honors)
2003/2004:	Kelly Cockcroft; Elliot Lieberman (Honors)
2004/2005:	Elliot Lieberman (Honors)

Graduate Research Supervised in my Laboratory (BioMed 291-2, 295-6) (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

Students I have trained through completion of their Ph.D.

* 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., University of Wisconsin (Madison)
 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., Clemson University (Clemson, South Carolina)
 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., Purdue University (Indiana)
- * 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)
- * 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
 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. Prof., Willamette University (Oregon)
- * 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., 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); patent lawyer of Pillsbury, Madison and Sutro, San Francisco, CA
 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 2 in preparation) and 15 abstracts. Postdoctoral associate with Susan Gerbi at Brown University. Postdoctoral fellow with Alan Wolffe at NIH (Maryland); staff scientist at Sangamo (California); adjunct Asst. Prof., Univ. California-Berkeley
 Michael Ezrokhi, Ph.D. June 1998, resulting in 3 papers (and 2 in preparation) and 17 abstracts. Staff scientist at R.I. Clinical Laboratory

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 (D.F.G. fellow from W. Germany)
1977-1978	Renate Renkawitz-Pohl (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)
1995-2000	Anja-Katrin Bielinsky (University of Düsseldorf, Germany) – Leukemia Society of America Scholar and Asst. Prof., University of Minnesota (Minneapolis, MN)
1995-1999	Victoria Lunyak (Petersburg Nuclear Physics Institute, St. Petersburg, Russia)
1995-	Thilo Sascha Lange (University of Düsseldorf, Germany)
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-	Yutaka Yamamoto (Biozentrum, Basel, Switzerland; University of Cambridge, Cambridge, U.K.)
2003-	Janell Johnson (University of North Dakota)

Previous Research Assistants (subsequent occupations listed)

Ingrid M. Mercer	(housewife)
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; Assoc. Prof., Wake Forest University (NC)
C. Graham Clark	Ph.D. Rockefeller University; post-doc NIH; senior staff scientist at London School of Hygiene and Tropical Medicine
Stephen 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 University of California - San Francisco

Josephine Spitzer (M.S., Indiana University); research staff associate at Pfizer

Current Research Group

Thilo Sascha Lange	Assistant Professor (Research)
Yutaka Yamamoto	Postdoctoral Research Associate
Janell Johnson	Postdoctoral Research Associate
Michael Foulk	Graduate Student
Eric Gustafson	Graduate Student
Stephen Doris	Graduate Student (rotation - summer)
Heidi Smith	Research Assistant
Elliot Lieberman	Undergraduate Student (Honors Research)