

CURRICULUM VITAE

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Personal:

Birthdate: November 30, 1949 Home Address: PO Box 315
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Nationality: U.S.A.

Education:

Columbia University B.S. (1971) Biology
State University of
New York at Stony Brook Ph.D. (1976) Molecular Biology

Professional Experience:

Julian Clarence Levi Professor of Life Sciences, Columbia University 1995-
Chairman; Department of Biological Sciences, Columbia University 1995-2001
Professor; Department of Biological Sciences, Columbia University 1987-
Associate Professor; Department of Biological Sciences, Columbia University 1985-1987.
Assistant Professor; Department of Biological Sciences, Columbia University 1980-1985.

Research Associate; Mass. Institute of Technology; Dr. M.L. Gelfer, supervisor. 1977-1980.
Graduate Research: Cold Spring Harbor Laboratory; Dr. R.F. Gesteland, supervisor. Thesis
project: "Properties of *in vivo* and *in vitro* synthesized abnormal polypeptides encoded by the
lacZ gene of *E. coli*," 1972-1976.
Research Assistant; Columbia University, Dr. G. Zubay, supervisor, 1970-1972.

Honors and Service:

1976-1977 Anna Fuller Fellowship
1995- Julian Clarence Levi Professor of Life Sciences
1996- 2006 NIH MERIT Award (mRNA splicing)
2002- Fellow, American Academy of Microbiology (elected)
2002- Board of Directors, Cold Spring Harbor Alumni Association
2005- ISI Highly Cited Researcher
2006- Fellow, American Academy of Arts and Sciences (elected)
2008- Fellow, American Association for the Advancement of Science (elected)

1983-1985 Editorial Board, Nucleic Acids Research
1984-2001 Editorial Board, Molecular and Cellular Biology
1988- Editorial Board, Genes and Development
1989-1992 Editorial Board, Techniques
1991-1995 Editorial Board, Mechanisms of Development
1991- Associate Editor, Gene Expression

1993-1998 Editorial Board, Journal of Virology
 1994- Editorial Board, RNA
 1997- Editorial Board, Molecular Cell
 2001- Editorial Board, BioMedCentral- Molecular Biology
 2003- Editor, Mol. Cell. Biol.
 2003- Editorial Board, BioMedCentral-Biology
 2006- Editorial Board, Recent Patents on DNA & Gene Sequences

1989 Co-organizer, RNA 3' End Formation Meeting, Oxford, England
 1990, 91 Co-organizer, RNA Processing Meeting, Cold Spring Harbor Lab
 1993, 97 Co-organizer, RNA 3' Ends: Formation and Function Meeting, Oxford, England
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 1997, 99 Co-organizer, Eukaryotic mRNA Processing Meeting, Cold Spring Harbor Lab

1988-1991 Member, ACS Microbiology and Virology Committee
 1989-1993 Member, NIH Molecular Biology Study Section
 1999-2002 Member, NIH Molecular Cytology (CDF2) Study Section (Chair, 2000-2002)

Publications:

1. Chambers, D. and Manley, J.L. (1973). On the nature of β -galactosidase synthesized by the DNA-directed cell-free system. *Mol. Gen. Genet.* **120**, 301-308.
2. Manley, J.L., Reiness, C.G., Zubay, G. and Gefter, M.L. (1973). Cell-free synthesis of Su+III tryosyl tRNA: characterization of the 4S product. *Arch. Biochem. Biophys.* **157**, 50- 54.
3. Manley, J.L. (1978). Synthesis and degradation of termination fragments of β -galactosidase *in vitro* and *in vivo*. *J. Mol. Biol.* **125**, 407-432.
4. Manley, J.L. and Gesteland, R.F. (1978). Suppression of amber nonsense codons in cell- free protein synthesis extracts not containing suppressor tRNA. *J. Mol. Biol.* **125**, 433-448.
5. Manley, J.L. (1978). Properties of internal reinitiation polypeptides synthesized *in vitro*. *J. Mol. Biol.* **125**, 449-466.
6. Roberts, R.J., Klessig, D.F., Manley, J.L. and Zain, B.S. (1979). The spliced mRNAs of adenovirus 2. *FEBS Symposium* **21**, 245-253.
7. Manley, J.L., Sharp, P.A. and Gefter, M.L. (1979). RNA synthesis in isolated nuclei: *in vitro* initiation of the adenovirus 2 major late mRNA precursor. *Proc. Natl. Acad. Sci. USA* **76**, 160-164.
8. Manley, J.L., Sharp, P.A. and Gefter, M.L. (1979). RNA synthesis in isolated nuclei: identification and characterization of adenovirus 2 encoded transcripts synthesized *in vitro*. *J. Mol. Biol.* **135**, 171-197.
9. Manley, J.L., Gefter, M.L. and Sharp, P.A. (1979). Synthesis and processing of adenovirus 2 RNA *in vitro*. *ICN-UCLA Symposia on Molecular Biology-Eukaryotic Gene Expression* **14**, 595-610.

10. Manley, J.L., Fire, A., Cano, A., Sharp, P.A. and Gefter, M.L. (1980). Specific DNA-dependent transcription of adenovirus 2 genes in whole-cell extracts. *Proc. Natl. Acad. Sci. USA* **77**, 3855-3859.
11. Sharp, P.A., Manley, J.L., Fire, A. and Gefter, M.L. (1980). Regulation of adenovirus gene expression. *N.Y. Acad. of Sci.* **354**, 1-15.
12. Manley, J.L., Handa, H., Huang, S.L., Sharp, P.A. and Gefter, M.L. (1980). Transcription of mammalian genes *in vitro*. *Miami Winter Symposium* **12**, 236-251.
13. Manley, J.L., Hu, S.L., Sharp, P.A. and Gefter, M.L. (1980). Synthesis of the Ad2 major late transcript *in vitro*: properties of the transcript and its promoter. *ICN-UCLA Symposium on Animal Virus Genetics* **18**, 353-368.
14. Proudfoot, N., Shatner, M., Manley, J., Gefter, M. and Maniatis, T. (1980). Expression of human globin genes. *Science* **209**, 1329-1336.
15. Handa, H., Kaufmann, R., Manley, J.L., Gefter, M.L. and Sharp, P.A. (1981). Accurate initiation of transcription of SV40 early and late genes in whole cell extract. *J. Biol. Chem.* **256**, 478-482.
16. Manley, J.L. and Gefter, M.L. (1981). Transcription of mammalian genes *in vitro*. In *Gene Amplification and Analysis* **2**, eds. Chirkjian, J.G. and Papas, T.S. (Elsevier-North Holland, N.Y., N.Y.), pp. 369-383.
17. Spritz, R.A., Jagadeeswaran, P., Biro, P.A., Elder, J.T., Choudary, P.V., de Riel, J.K., Manley, J.L., Gefter, M.L., Weissman, S.M. and Forget, B.G. (1981). Structure and functional characterization of cloned β^+ -thalassemic globin gene fragments. In *Organization and Expression of Globin Genes*, eds. Nienhuis, A.W. and Stamatoyarnopolis, G. (A.P. Liss, N.Y., N.Y.) pp.105-112.
18. Spritz, R.A., Jagadeeswaran, P., Choudary, P.V., Biro, P.A., Elder, J.T., de Riel, J.K., Manley, J.L., Gefter, M.L., Forget, B.G. and Weissman, S.M. (1981). Intervening sequence mutation in a cloned human β^+ -thalassemic globin gene. *Proc. Natl. Acad. Sci. USA* **78**, 2455-2459.
19. Spritz, R.A., Jagadeeswaran, P., Biro, A., Elder, J.T., de Riel, J.K., Forget, B.G., Weissman, S.W., Manley, J.L. and Gefter, M.L. (1981). Intervening sequence mutation in a cloned human β -thalassemic globin gene. *ICN-UCLA Symp. on Developmental Biology Using Purified Genes* **23**, 164-173.
20. Fire, A., Baker, C., Manley, J.L., Ziff, E. and Sharp, P.A. (1981). *In vitro* transcription of adenovirus genes. *J. Virol.* **40**, 703-719.
21. Hu, S.-L. and Manley, J.L. (1981). Definition of the Ad2 late promoter site. *Proc. Natl. Acad. Sci. USA* **78**, 820-824.

22. Manley, J.L., Gefter, M.L. and Sharp, P.A. (1982). RNA synthesis in isolated nuclei processing of the adenovirus 2 major late mRNA precursor *in vitro*. *J. Mol. Biol.* **159**, 581- 600.
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24. Fradin, A., Manley, J.L. and Prives, C. (1982). Methylation of simian virus 40 *Hpa II* site inhibits late, but not early, viral gene expression. *Proc. Natl. Acad. Sci. USA* **79**, 5142-5146.
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26. Jove, R. and Manley, J.L. (1982). Transcription initiation by RNA polymerase II is inhibited by S-adenosylhomocysteine. *Proc. Natl. Acad. Sci. USA* **79**, 5842-5846.
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28. Mitsialis, A., Manley, J.L. and Guntaka, R. (1983). Analysis of Rous sarcoma virus promoters using *in vitro* transcription. *Mol. Cell. Biol.* **3**, 811-818.
29. Manley, J.L., Fire, A., Samuels, M. and Sharp, P. (1983). *In vitro* transcription of mammalian genes using a whole cell lysate. *Methods in Enzymology, Recombinant DNA* **101**, 568-582.
30. Manley, J.L. (1983). Analysis of the expression of genes encoding animal mRNA by *in vitro* techniques. *Prog. in Nuc. Acid Res. and Mol. Biol.* **30**, 195-244.
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33. Manley, J.L. (1983). Accurate and specific polyadenylation of mRNA precursors in a soluble whole-cell lysate. *Cell* **33**, 595-605.
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46. Grass, D. and Manley, J.L. (1986). Effects of the adenovirus late promoter on SV40 transcription and replication. *J. Virol.* **57**, 129-137.
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58. Grass, D. and Manley, J.L. (1987). Selective translation initiation on bicistronic SV40 late mRNA. *J. Virol.* **61**, 2331-2335.
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64. Manley, J.L. (1988). Polyadenylation of mRNA precursors. *BBA Reviews on Gene Expression* **950**, 1-12.

65. Fu, X.-Y., Colgan, J. and Manley, J.L. (1988). Multiple *cis*-acting sequence elements are required for efficient splicing of small-t antigen mRNA. *Mol. Cell. Biol.* **8**, 3582-3590.
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67. Noble, J.C.S., Prives, C. and Manley, J.L. (1988). Alternative splicing of SV40 early pre-mRNA is determined by branch site selection. *Genes Dev.* **2**, 1460-1475.
68. Noble, J.C.S. and Manley, J.L. (1989). The mechanism and control of pre-mRNA splicing. In *Molecular Biology of Chromosome Function*, ed. Adolph, K. (Springer-Verlag, N.Y.), pp. 243-261.
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71. Noble, J.C.S., Ge, H. and Manley, J.L. (1989). Alternative splicing of SV40 early pre-mRNA: the role of the lariat branch site region. In *Common Mechanisms of Transformation by Small DNA Tumor Viruses*, ed. Villareal, L. (ASM Publications, Washington, D.C.), pp. 221-226.
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73. Connelly, S. and Manley, J.L. (1989). A CCAAT box sequence in the adenovirus major late promoter functions as part of an RNA polymerase II termination signal. *Cell* **57**, 561-571.
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