CURRICULUM VITAE

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Personal:

Birthdate: November 30, 1949
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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.

Postdoctoral Research: Mass. Institute of Technology; Dr. M.L. Gefter, supervisor. 1977-1980.
Graduate Research: Cold Spring Harbor Laboratory; Dr. R.F. Gesteland, supervisor. 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
2002-	Board of Directors, Cold Spring Harbor Alumni Association
2005-	ISI Highly Cited Researcher
2006-	Fellow, American Academy of Arts and Sciences
2006-2009	Senior Fellow, American Asthma Foundation
2007-	Edina High School Hall of Fame
2008-	Fellow, American Association for the Advancement of Science
2011-	Member, National Academy of Sciences
2013	Einstein Professorship, Chinese Academy of Sciences
2017-	Chair, Biochemistry Section, National Academy of Sciences

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
1991-2017	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
2003-2013	Editor, Molecular and Cellular Biology
2003-	Editorial Board, BioMedCentral-Biology
2006-2013	Editorial Board, Recent Patents on DNA & Gene Sequences
2010-	Editorial Board, Transcription
2012-	Senior Editor, eLife
2012-	Editorial Board, Methods

1989-2017	Co-organizer, RNA 3' End Formation Meetings, Oxford, England (8)
1990, 91	Co-organizer, RNA Processing Meeting, Cold Spring Harbor Lab
1997, 99	Co-organizer, Eukaryotic mRNA Processing Meeting, Cold Spring Harbor Lab
2017	Organizer, Keystone Symposium, mRNA Processing and Human Disease

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 ß-galactosidase synthesized by 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 and premature-termination fragments of beta-galactosidase *in vitro* and *in vivo*. *J. Mol. Biol*. **125**, 407-432.

4. Manley, J.L. and Gesteland, R.F. (1978). Suppression of amber mutants *in vitro* induced by low temperature. *J. Mol. Biol*. **125**, 433-447.

5. Manley, J.L. (1978). Synthesis of internal re-initiation fragments of beta-galactosidase *in vitro* and *in vivo*. *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 comparison of adenovirus 2 encoded transcripts synthesized *in vitro* and *vivo*. *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). DNA-dependent transcription of adenovirus 2 genes in soluble whole-cell extract. *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. *Ann. 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.

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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 ß$^{+}$-thalassemic globin gene. *Proc. Natl. Acad. Sci. USA* **78**, 2455-2459.

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22. Manley, J.L., Gefter, M.L. and Sharp, P.A. (1982). RNA synthesis in isolated nuclei: Processing of adenovirus serotype 2 late messenger RNA precursors. *J. Mol. Biol.* **159**, 581- 600.

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27. Manley, J.L. and Colozzo, M.T. (1982). Synthesis *in vitro* of an exceptionally long RNA transcript promoted by an Alul sequence. *Nature* **300**, 376-379.

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29. Manley, J.L., Fire, A., Samuels, M. and Sharp, P. (1983). *In vitro* transcription: whole-cell extract. *Methods in Enzymology, Recombinant DNA* **101**, 568-582.

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results in a replication- and transformation-defective virus. *Proc. Natl. Acad. Sci. USA* **80**, 7065-7069.

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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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