CURRICULUM VITAE

Name:	John Kenneth Rose
Date of Birth:	July 21, 1947
Place of Birth:	Northampton, Massachusetts
Citizenship:	U.S.
Education:	
1965-1969	Brandeis University, Waltham, Massachusetts. B.A. in Biology
1969-1973	Stanford University, Stanford, California Ph.D. Biology and Biochemical Genetics
Positions held:	
1969-1973	Predoctoral trainee of the U.S. Public Health Service with Dr. Charles Yanofsky, Stanford University
1974-1975	Postdoctoral Fellow, Massachusetts Institute of Technology in the laboratories of Drs. Harvey Lodish and David Baltimore
1976-1978	Research Associate, Massachusetts Institute of Technology, with Dr. David Baltimore
1979-1982	Assistant Professor, The Salk Institute
1982-1986	Associate Professor, The Salk Institute
1986-2019	Professor of Pathology and Cell Biology Yale University School of Medicine
2019-present	Emeritus Professor of Pathology, Senior Research Scientist Yale University School of Medicine
Professional Activities:	
1980-2011	Editorial Board Member, *Journal of Virology*
1988-1994	Editor of *Virology* for negative-strand RNA viruses
1994-2014	Editorial Board Member, *Virology*
1987-1992	Director of Graduate Studies in Experimental Pathology
1991	Co-chairman, Gordon Conference on Animal Cells and Viruses
1992-2000	Director, Yale Medical School HIV research facility
1994-1998	Member, NIH ARR-1 AIDS Study Section
1994-1999	Co-director, Yale Graduate Program in Microbiology
2005-2015	Director, Program in Virology and Vaccine Development, Yale University
Honors:	Two National Institutes of Health MERIT awards

Research Interests: Structure and function of viral glycoproteins. Vaccine development employing vectors based on recombinant RNA viruses. Specific targeting of viral vectors. Assembly of enveloped viruses.

Publications

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2. Mosteller, R.D., Rose, J.K. & Yanofsky, C. 1970. Transcription initiation and degradation of trp mRNA. Cold Spring Harbor Symp. Quant. Biol. **35:**461-466.
3. Rose, J.K. & Yanofsky, C. 1971. Transcription of the operator proximal and distal ends of the tryptophan operon: evidence that trp E and trp A and the delimiting structural genes. J. Bacteriol. **108**:615-618.
4. Rose, J.K. & Yanofsky, C. 1972. Metabolic regulation of the tryptophan operon of Escherichia coli: Repressor-independent regulation of transcription initiation frequency. J. Mol. Biol. **69**:103-118.
5. Rose, J.K., Squires, C.L., Yanofsky, C., Yang, H.-L. & Zubay, G. 1973. Regulation of in vitro transcription of the tryptophan operon by purified RNA polymerase in the presence of partially purified repressor and tryptophan. Nature New Biol. **245**:133-137.
6. Squires, C.L., Rose, J.K., Yanofsky, C., Yang, H.-L. & Zubay, G. 1973. Tryptophanyl-tRNA and tryptophanyl-tRNA synthetase are not required for in vitro repression of the tryptophan operon. Nature New Biol. **245**:131-133.
7. Rose, J.K. & Yanofsky, C. 1974. Interaction of the operator of the tryptophan operon with repressor. Proc. Natl. Acad. Sci. USA **71**: 3134-3138.
8. Rose, J.K. & Knipe, D. 1975. Nucleotide sequence complexities, molecular weights and poly(A) content of the vesicular stomatitis virus mRNA species. J. Virol. **15**:994-1003.
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10. Rose, J.K. 1975. Heterogeneous 5'-terminal structures occur on vesicular stomatitis virus mRNAs. J. Biol. Chem. **250**:8098-8104.
11. Hewlett, M.J., Rose, J.K. & Baltimore, D. 1976. 5'-terminal structure of poliovirus polyribosomal RNA is pUp. Proc. Natl. Acad. Sci. USA **73**:327-330.
12. Rose, J.K. & Lodish. H.F. 1976. Translation in vitro of vesicular stomatitis virus mRNA lacking 5'-terminal 7-methylguanosine. Nature **262**:32-37.
13. Rose, J.K., Hasletine, W.A. & Baltimore, D. 1976. The 5' terminus of Moloney murine leukemia virus 35S RNA is m7G5'ppp5'GmpCp. J. Virol. **20:**324-329.

14. Lodish, H.F. & Rose, J.K. 1977. Relative importance of 7-methylguanosine in ribosome binding and translation of vesicular stomatitis virus mRNA in wheat germ and reticulocyte cell-free systems. J. Biol. Chem. **252**:1181-1188.
15. Rose, J.K., Lodish, H.F. & Brock, M.L. 1977. Giant heterogeneous poly(A) on vesicular stomatitis virus mRNA synthesized *in vitro* in the presence of S-adenosylhomocysteine. J. Virol. **21:**683-693.
16. Freeman, G.J., Rose, J.K., Clinton, G.M. & Huang, A.S. 1977. RNA synthesis of vesicular stomatitis virus VII. Complete separation of the messenger RNAs of vesicular stomatitis virus by duplex formation. J. Virol. **21:**1094-1104.
17. Rose, J.K. 1977. Nucleotide sequences of ribosome recognition sites in messenger RNAs of vesicular stomatitis virus. Proc. Natl. Acad. Sci. USA **74**:3672-3676.
18. Pettersson, R.F., Flanegan, J.B., Rose, J.K. & Baltimore, D. 1977. 5'-terminal nucleotide sequences of polio virus polyribosomal RNA and virion RNA are identical. Nature (London) **268**:270-272.
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