

MEMORIAL SLOAN-KETTERING CANCER CENTER

Curriculum Vitae and Bibliography

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Education: Indiana University
1949, B.A., Chemistry

Western Reserve University
1953, Ph.D., Biochemistry

Postdoctoral Training:
1953-1954 American Cancer Society, Postdoctoral Fellow
National Medical Research Council, Mill Hill, London, England

1955-1956 American Cancer Society, Postdoctoral Fellow
National Institutes of Health, Bethesda, Maryland

Positions and Appointments:
1956-1958 Instructor of Microbiology, Washington University, St. Louis, MO

1958-1960 Assistant Professor of Microbiology, New York University School of
Medicine, New York, New York
1960-1963 Associate Professor of Microbiology, New York University School of
Medicine, New York, New York
1963-1965 Professor of Molecular Biology, Albert Einstein College of Medicine,
Bronx, New York
1965-1984 Professor and Chairman Dept. of Developmental Biology and
Cancer, Albert Einstein College of Medicine, Bronx, New York
1984-Present Member, Sloan-Kettering Institute Professor, Sloan-Kettering Division of
the Cornell University Medical College, New York, New York
1989-Present Head, William Randolph Hearst Laboratory of Radiation Biology,

1991-2003 Memorial Sloan-Kettering Cancer Center, New York, New York
Vice-chairman, Sloan-Kettering Institute, Memorial Sloan-Kettering
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Scientific and Medical Societies:

American Society of Biological Chemists
New York Academy of Sciences
Member of the National Academy of Sciences
American Academy of Arts and Sciences

Honors and Awards:

1962 Eli Lilly Award in Biochemistry
1962 Sigma Xi Award
1963-1998 American Cancer Society Professorship
1964-1968 N000.I.H. Physiological Chemistry Study Section
1967 Charles Mickle Fellowship Award of Canada
1968 Guggenheim Fellowship Award
1971-1975; 1991-97 American Cancer Society Study Section
1972 Institut Pasteur Hazen Lectureship
1973-1975 Special Viral Cancer Program
1974 Member of the National Academy of Sciences
1980 Fogarty Scholar
1982 Louis and Bert Freeman Foundation Prize for Research
 in Biochemistry of the New York Academy of Science
1981-1984 N.I.H. Physiological Chemistry Study Section
1984-1989 Pfizer Science Award
1986-1995 John Simon Guggenheim Memorial Foundation
1991-1996 American Cancer Society Molecular Biology Study Section
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Editorial Boards:

1965-1970 Journal of Molecular Biology
1968-1971 Journal of Bacteriology

Languages:

Spoken: English
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Publications:

1. Muntz JA, Hurwitz J. Effect of potassium and ammonium Ions upon glycolysis catalyzed by extract of rat brain. Arch of Bioch and Biophys 1951; 32:124-136.
2. Muntz JA, Hurwitz J. The Effect of ammonium Ions upon Isolated reactions of the glycolytic scheme. Arch of Bioch and Biophys 1951; 32:137-149.
3. Hurwitz J. The enzymic phosphorylation of vitamin B6 derivatives and their effects on tyrosine decarboxylase. Biochim Biophys Acta 1952; 9:496-498.
4. Hurwitz J. The enzymatic phosphorylation of pyridoxal. J Biol Chem 1953; 205:935-947.
5. Hurwitz J. Inhibition studies on aldehyde oxidase. J Biol Chem 1955; 212:757-769.
6. Hurwitz J, Cooperstein SJ. Reduction of cytochrome oxidase by liver aldehyde oxidase. J Biol Chem 1955; 212:771-785.
7. Hurwitz J. Enzymatic phosphorylation of vitamin B6 analogues and their effect on tyrosine decarboxylase. J Biol Chem 1955; 217:513-525.
8. Hurwitz J, Weissbach A, Horecker BL, Smyrniotis PZ. Spinach phosphoribulokinase. J Biol Chem 1956; 218:769-783.
9. Horecker BL, Hurwitz J, Weissbach A. The enzymatic synthesis and properties of ribulose-1.5 diphosphate. J Biol Chem 1956; 218:785-794.
10. Weissbach A, Horecker BL, Hurwitz J. The enzymatic formation of phosphoglyceric acid from ribulose diphosphate. J Biol Chem 1956; 213:795-810.
11. Horecker BL, Hurwitz J, Smyrniotis PZ. Xylulose 5-phosphate and the formation of sedoheptulose 7-phosphate with liver transketolase. JACS 1956; 78:692-693.
12. Hurwitz J. Metabolism of vitamin B6 and its derivatives. Nutrition Symposium 1956; 13:49-64.
13. Hurwitz J, Jakoby WB, Horecker BL. On the mechanism of CO₂ fixation leading to phosphoglyceric acid. Biochim Biophys Acta 1956; 22:194-195.
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16. Heath EC, Hurwitz J, Horecker BL. Acetyl phosphate formation in the phosphorolytic cleavage of pentose phosphate. J. Am Chem Soc 1956; 78:5449.
17. Horecker BL, Hurwitz J, Heppel LA. The synthesis of ribose 5-pyrophosphate and ribose 5-triphosphate. J.A.C.S. 1957; 79:701-702.
18. Heppel LA, Hurwitz J, Horecker BL. Adenine deaminase of *azotobacter vinelandii*. JACS

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23. Hurwitz J, Weissbach A. The formation of 2-Keto-3-deoxyheptonic acid in extracts of *E. coli* B.I. identification. *J Biol Chem* 1959; 234:705-709.
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