

Henry Ford Hospital Medical Journal

Volume 12 | Number 4

Article 10

12-1964

Edsel B. Ford Lecture 1964

Follow this and additional works at: <https://scholarlycommons.henryford.com/hfhmedjournal>



Part of the [Life Sciences Commons](#), [Medical Specialties Commons](#), and the [Public Health Commons](#)

Recommended Citation

(1964) "Edsel B. Ford Lecture 1964," *Henry Ford Hospital Medical Bulletin* : Vol. 12 : No. 4 , 477.

Available at: <https://scholarlycommons.henryford.com/hfhmedjournal/vol12/iss4/10>

This Part I is brought to you for free and open access by Henry Ford Health System Scholarly Commons. It has been accepted for inclusion in Henry Ford Hospital Medical Journal by an authorized editor of Henry Ford Health System Scholarly Commons.

EDSEL B. FORD LECTURE

1964

"PROTEIN SYNTHESIS" was the title of the Thirteenth Edsel B. Ford Lecture, given at 7 p.m., October 20, 1964 in the Henry Ford Hospital Auditorium. The subject was timely, for many current investigations are concerned with the process by which cells construct large protein molecules in a matter of minutes, and produce the same ones regularly. The lecturer pioneered in the use of C^{14} -labeled amino acids and cell-free systems for studying this phenomenon.

THE LECTURER

Dr. Paul C. Zamecnik, born in Cleveland, Ohio, was educated at Dartmouth College and the Harvard Medical School, receiving the M.D. degree in 1936. He engaged in medical research at the Collis P. Huntington Memorial Hospital in Boston, served his internship at the University Hospitals in Cleveland, Ohio, studied at the Carlsberg Laboratory in Copenhagen and at the Rockefeller Institute in New York. Since 1942 he has been associated with the Harvard Medical School and the Massachusetts General Hospital. At present, he is Collis P. Huntington Professor of Oncologic Medicine and Director of the John Collins Warren Laboratories. He is currently President of the American Association for Cancer Research. His particular interests have been: the mechanism of protein biosynthesis, and the protein metabolism of normal and malignant tissues.



LECTURER'S ADVANCE ABSTRACT

"The soluble or transfer ribonucleic acid is a macromolecule of relatively small size and many-splendored properties. It recognizes its own amino acid synthetase in a mysterious way, serves as an esterification site for a particular amino acid, and positions the amino acid correctly in a growing polypeptide chain, in association with messenger ribonucleic acid and ribosomes. An effort will be made to present the present front of the growing body of knowledge in these areas".

ADDED COMMENT

Students who attended this lecture will find the Harvey Lecture¹ by Dr. Zamecnik, and an extensive review² by Loftfield, to be excellent introductions to the subject of protein biosynthesis. In Figure 12 of the Harvey Lecture, six steps in this process are presented graphically. Requirements for individual steps are also discussed in detail in the review. Some of the unsolved problems in protein biosynthesis were the subject of a lecture³ by Dr. Zamecnik, delivered at a meeting of the Biochemical Society.

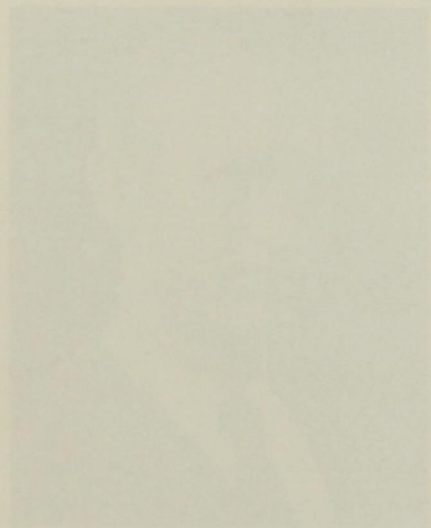
REFERENCES

1. Zamecnik, P. C.: Harvey Lectures, Series 54, 1958-59, p. 256, Academic Press, New York, 1960.
2. Loftfield, R. B.: Progress in Biophysics and Biophysical Chemistry 8:347, 1957.
3. Zamecnik, P. C.: Biochem. J., 85:257, 1962.

FOZEL & POED LECTURE

1954

FOZEL & POED LECTURE was the title of the 1954 lecture given by Dr. Fozel at the University of Amsterdam. The lecture was held on the 12th of December 1954. The subject of the lecture was the history of the Dutch language. The lecture was held in the lecture hall of the University of Amsterdam.



The lecture was held in the lecture hall of the University of Amsterdam. The subject of the lecture was the history of the Dutch language. The lecture was held on the 12th of December 1954. The lecture was held in the lecture hall of the University of Amsterdam.

The lecture was held in the lecture hall of the University of Amsterdam. The subject of the lecture was the history of the Dutch language. The lecture was held on the 12th of December 1954. The lecture was held in the lecture hall of the University of Amsterdam.

The lecture was held in the lecture hall of the University of Amsterdam. The subject of the lecture was the history of the Dutch language. The lecture was held on the 12th of December 1954. The lecture was held in the lecture hall of the University of Amsterdam.

The lecture was held in the lecture hall of the University of Amsterdam. The subject of the lecture was the history of the Dutch language. The lecture was held on the 12th of December 1954. The lecture was held in the lecture hall of the University of Amsterdam.