

LORRAINE CHENG RESUME

(1) Education

Chemistry – Aurora College for Women, China
B.S., Nutrition, Cornell University
M.S., Nutrition, Cornell University
(Thesis: The Effect of Certain Amino Acids on the Utilization of B-Alanine by Yeast.)

(2) Membership

New York Academy of Sciences
American Chemical Society
Drug Information Association

(3) Experience

1979 – 1994 Director, Scientific Literature Dept./Manager, Scientific Information Services Dept.

Manage a department consisting of 10 multidisciplinary professionals and 9 support personnel. Professional functions include indexing and abstracting articles on Roche products; retrieval and analysis of scientific and technical information relevant to research, development, manufacturing, marketing and licensing of drugs and chemical for the entire corporation; preparation of critical analyses and reviews in selected research areas; participation in research project groups and project management teams; and responding to regulatory and external issues by providing information required in situations such as congressional hearings, FDA approvals, and defense of patent challenges and product litigations. Responsible for budget administration and resource allocation, monitoring staff performance and following up with appropriate actions, ensuring quality of departmental products (searches, reports, manuscripts, bulletins, bibliographies, in-house databases, translations, etc.), initiating new services, and coordinating intra- and interdepartmental projects.

Research, evaluate, recommend, and implement new computer technology for both scientific information processing and office automation.

Serve as secretary of the Vitamin Research Coordinating Committee and the Oncology Research Project Group. Other research committees served include: Corporate Literature Database Systems Evaluation Project Team, Nutley China Committee, Molecular Oncology Research Project Group, Carbohydrate-Lipid Research Project Group, Nutrition Research Project Group, Metabolism Research Project Group, and Smoking and Health Research Committee.

- 1974 – 1979 Assistant Director
Scientific Literature Department
Hoffman-La Roche, Inc.
Nutley, NJ
- 1969 – 1974 Senior Information Scientist
Hoffman-La Roche, Inc.
Nutley, NJ
- 1963 – 1969 Literature Scientist
Hoffman-La Roche, Inc.
Nutley, NJ
- 1962 – 1963 Literature Scientist
Schering Corp.
Bloomfield, NJ
- 1956 – 1962 Research Biochemist
Department of Radiobiochemistry
Chas. Pfizer & Co., Inc.
Maywood, NJ

Research involved studies on the modes of action of drugs (tetracyclines in particular) using radioisotope techniques. Responsible for the supervision and coordination of several research projects in the laboratory. These involved the screening of new synthetic penicillins with penicillinase; studies on antibiotic synergism in vitro; and screening on potential anti-atherosclerosis compounds.

(4) Publications

Snell, J.F. and Cheng, Lorraine
Studies in Metabolic Spectra. II. Application of Metabolic Spectra to the Investigation of the Mode of Action of Oxytetracycline.
Antibiotics Annual 1957-1958, pp. 538-545, Medical Encyclopedia, Inc., New York, N. Y., 1958.

Snell, J.F. and Cheng, Lorraine
Studies in Metabolic Spectra. III. The Accumulation of D-Glutamic Acid in Oxytetracycline-treated E. coli.
Antib. & Chemot. 9: 156-159, 1959.

Cheng, Lorraine and Snell, J.F.
Studies in Metabolic Spectra. VI. An Evaluation of the Synergistic Action Between
PA 114 A and B In Vitro.
Antib. & Chemot. 10: 671-674, 1960.

Snell, J.F. and Cheng, Lorraine
Studies on Mode of Action of Tetracyclines II.
In *Developments in Industrial Microbiology*, Vol. 2.
Plenum Press, Inc., New York, pp. 107-132, 1961.

Cheng, Lorraine and Snell, J.F.
Studies in Metabolic Spectra. IV. Effects of Tetracyclines, some of their
Derivatives, and Chloramphenicol on Accumulation of Glutamic Acid in
Escherichia coli.
J. Bacteriol. 83: 711-719, 1962.

Sullivan, A.C., Cheng, Lorraine and Hamilton, J.G.
Agents for the Treatment of Obesity.
Annu. Rep. Med. Chem. 11: 200-208, 1976.
(Review, 96 references).

Hamilton, J.G., Cheng, Lorraine and Sullivan, A.C.
Disorders of Lipid Metabolism: Etiology and Therapy.
Annu. Rep. Med. Chem. 11: 180-189, 1976.
(Review 115 references).

Sullivan, A.C., Cheng, Lorraine and Hamilton, J.G.
Recent Advances in the Etiology and Treatment of Disorders of Lipid Metabolism.
Annu. Rep. Med. Chem. 12: 191-200, 1977.
(Review, 131 references).

Sullivan, A.C. and Cheng, Lorraine
Appetite Regulation and Its Modulation by Drugs.
Nutrition Foundations Monograph, Nutrition and Drug Interrelationships.
Academic Press, pp. 21-82, 1978.
(Review, 379 references).

Cheng, Lorraine
Urinary Tract Calculi in Man and Laboratory Animals: Incidence, Composition and
Etiology.
J. Environ. Pathol. Toxicol. 4: 317-349, 1980.
(Review, 288 references).

Cheng, Lorraine
Pheochromocytoma in Rats: Incidence, Etiology, Morphology and Functional
Activity.

J. Environ. Pathol. Toxicol. 4: 219-228, 1980.
(Review, 50 references).

Levander, O.A. and Cheng, Lorraine (eds.)
Micronutrient Interactions: Vitamins, Minerals and Hazardous Elements.
Ann. N.Y. Acad. Sci. 355: 1980.

Sullivan, A.C. Baruth, H.W. and Cheng, Lorraine
Recent advances in the Design and Development of Antiobesity Agents.
Ann. Rep. Med. Chem. 15 : 172-182, 1980.

Sullivan, A.C., Triscari, J. and Cheng, Lorraine
Appetite Regulation by Drugs and Endogenous Substances.
In: M. Winick (ed.), Nutrition and Drugs. (Curr. Concepts in Nutrition, Vol. 12)
A Wiley-Interscience Publ., John Wiley & Sons, N.Y., pp. 139-167, 1983.
(Review, 235 references).

Sullivan, A.C. Nauss-Karol, C. and Cheng, Lorraine
Pharmacological Treatment, I.
In: M.R.C. Greenwood (ed.), Obesity. (Contemporary Issues in Clinical Nutrition,
Vol. 4). Churchill Livingstone, New York, pp. 123-137, 1983.
(Review, 120 references).

Sullivan, A.C., Nauss-Karol, C. and Cheng, Lorraine
Pharmacological Treatment, II.
In: M.R.C. Greenwood (ed.), Obesity. (Contemporary Issues in Clinical Nutrition,
Vol. 4). Churchill Livingstone, New York, pp. 139-158, 1983.
(Review, 161 references).

Farrar, J. J., Benjamin, W.R., Cheng, Lorraine and Pawson, B.A.
Interleukin 2.
Ann. Rep. Med. Chem. 19: 191-200, 1984.
(Review, 79 references).

Cheng, Lorraine, Cohen, M., and Bhagavan, H.N.
Vitamin C and the Elderly.
In: R.R. Watson (ed.), CRC Handbook of Nutrition in the Aged.
CRC Press, Inc., Boca Raton, Fla., pp. 157-185, 1985.
(Review, 251 references).

Cohen, M., Cheng, Lorraine, and Bhagavan, H.N.
Vitamin C and the Elderly – An update.
In: R.R. Watson (ed.), CRC Handbook of Nutrition in the Aged. 2nd Edition.
CRC Press, Inc., Boca Raton, Fla., pp. 203-262, 1994.
(Review, 503 references).

