

4-25-2011

**CURRICULUM VITAE
KARL YODER HOSTETLER**

EDUCATION

B.A. (Chemistry) cum laude, DePauw University, Greencastle, IN, 1961.

M.D., Western Reserve University, School of Medicine, Cleveland, OH, 1965.

APPOINTMENTS

Professor of Medicine, School of Medicine, University of California, San Diego, 1984-

Director, Endocrinology Clinic, San Diego VA Medical Center, 1995-

Staff Physician, San Diego VA Medical Center, 1973-2005; fee basis 2005-

Associate Member, Rebecca and John Moores Cancer Center, UCSD, 2003-

Founder and Director, Chimerix Inc., Durham, NC, 2002-2005; Consultant 2006-

Co-founder and Director, Triangle Pharmaceuticals, Inc., Durham, NC, 1995-98; Scientific Advisor 1995-1999

Founder, Director and Vice President, Research & Development, Vical Incorporated, San Diego, CA, 1987-1992;
Scientific Advisor 1992-1997.

Associate Professor of Medicine, School of Medicine, University of California, San Diego, 1979-1984

Assistant Professor of Medicine, School of Medicine, University of California, San Diego, 1973-1979

Clinical Investigator, Veterans Administration, 1983-1986

Acting Chief, Metabolism Section and Special Diagnostic and Treatment Unit, San Diego VA Medical Center, 1981-1983
San Diego VA Medical Center: Director, Metabolism Clinic, 1973-1983

U.S. Public Health Service Postdoctoral Trainee in Medicine (Lipid Biochemistry) with Dr. L.L.M. van Deenen, Utrecht, Holland, July 1970- December 1972.

Special Fellow in Endocrinology and Metabolism, Cleveland Clinic Foundation, July 1969- June 1970

Assistant Resident, Department of Medicine University Hospitals of Cleveland, July 1969

Assistant Physician, Department of Medicine, University Hospitals of Cleveland, July 1966- June 1969

U.S. Public Health Service Postdoctoral Trainee in Medicine, Case Western Reserve University, July 1966- June 1969

Intern, Department of Medicine, University Hospitals of Cleveland, July 1965- June 1966

Investigator, Marine Biological Laboratories, Woods Hole, Massachusetts, 1962-1964; 1966-1968

AWARDS

Fellow of the Japan Society for the Promotion of Science, 1986.

Distinguished Service Award, San Diego Federal Executive Association, 1984

Fellow of the John Simon Guggenheim Foundation, 1980-1981

Fogarty International Fellowship, 1980 (declined)

Service Award, American Diabetes Association, Southern California Affiliate, 1976

Invited Exchange Scientist, USSR Academy of Sciences, Shemyakin Institute of Bio-Organic Chemistry, Moscow, US - USSR Health Sciences Exchange Program, 1974.

Faculty Award for Excellence in Research, Western Reserve University, School of Medicine, 1965.

Albert Steuer Memorial Award, Western Reserve University, School of Medicine, 1965

Samuel T. Haas Scholarship, Western Reserve University, School of Medicine, 1964-1965

C. Glen Barber Scholarship, Western Reserve University, School of Medicine, 1961-1965

MEMBERSHIPS

Associate Editor, The Journal of Clinical Investigation, 1993-1997

International Society For Antiviral Research, 1992-

American Society of Microbiology, 1992-

Endocrine Society, 1989-

American Society for Bone and Mineral Research 1988-

Editorial Board, Journal of Lipid Research, 1985-1996

Western Association of Physicians, 1984-

Western Society Clinical Investigation, 1983-

American Society for Clinical Investigation, 1981-

American Association for the Advancement of Science, 1976-

American Society Biochemistry and Molecular Biology, 1976-

American Federation for Clinical Research, 1973-

MEDICAL LICENSURE

1965 - Licensed to practice in Ohio

1973 - Licensed to practice in California

1974 - Diplomate, American Board of Internal Medicine

1975 - Diplomate, American Board of Endocrinology & Metabolism

COMMUNITY SERVICE

Board of Directors, San Diego Chamber Orchestra, 1985-1988; 1997-98

Del Mar Hills School Site Council, 1984-1986

President, Riveria Del Mar Homeowners Association, 1984-1986

President, San Diego Chapter, American Diabetes Association, 1982-1983

Board of Directors of the American Diabetes Association (San Diego Chapter), 1976-1984

Board of Directors, American Diabetes Association (Southern California Affiliate) 1975-1984

Consulting Endocrinologist (voluntary); Saint Vincent DePaul Village Free Medical Clinic, San Diego, CA
1997-2007

PUBLICATIONS

1. Lazarow, A., Dixit, P.K., Lindall, A., Moran, J., Hostetler, K.Y. and Cooperstein, S.J.: Enzyme specialization of islet tissue in the structure and metabolism of the pancreatic islets, S.E., Brolin, B. Hellman, and H. Knutson, Eds. Oxford: Pergamon, 1964.
2. Hostetler, K.Y., Cooperstein, S.J., Landau, B.R. and Lazarow, A.: Pathways of glucose metabolism in the isolated islet of the goosfish *in vitro*. *Am. J. Physiol.*, 211:1057-1062, 1966.
3. Hostetler, K.Y. and Landau, B.R.: Estimation of the pentose cycle contribution of glucose metabolism in tissues *in vivo*. *Biochemistry*, 6:2961, 1967.
4. Hostetler, K.Y. and Haynes, R.C.: Effect of triamcinolone on acetate 14C incorporation into fatty acids in liver. *Fed. Proc.*, 27:2304, 1968.
5. Hostetler, K.Y., Williams, H.R., Shreeve, W.W. and Landau, B.R.: Conversion of specifically 14C-labeled lactate and pyruvate to glucose in man. *J. Biol. Chem.*, 244:2075-2077, 1969.
6. Hostetler, K.Y., Landau, B.R., White, R.J., Albin, M.S. and Yashon, D.: Contribution of the pentose cycle to the metabolism of glucose in the isolated, perfused brain of the monkey. *J. Neurochem.*, 17:33-39, 1970.
7. Hostetler, K.Y. and Williams, H.R.: Effects of hyperglycemia, tolbutamide and glucagon on the pathways of glucose oxidation in the goosfish islet, *in vitro*. *Diabetes*, 19:554-558, 1970.

8. Hostetler, K.Y. and Haynes, R.C., Jr.: Effect of L-epinephrine and triamcino lone on the incorporation of acetate-2-14C and 32Pi into phospholipids and neutral lipids in liver slices from adrenalectomized rats, *in vitro*. *Endocrinology*, 87:1351-1354, 1970.
9. Ter Schegget, J., van den Bosch, H., van Baak, M.A., Hostetler, K.Y. and Borst, P.: The synthesis and utilization of dCDP-diglyceride by a mitochondrial fraction from rat liver. *Biochim. Biophys. Acta*, 239:234-242, 1971.
10. Hostetler, K.Y., van den Bosch, H. and van Deenen, L.L.M.: Biosynthesis of cardiolipin in liver mitochondria. *Biochim. Biophys. Acta*, 239:113-119, 1971.
11. Victoria, E.J., van Golde, L.M.G., Hostetler, K.Y., Scherphof, G.L. and van Deenen, L.L.M.: Some studies on the metabolism of phospholipids in plasma membranes from rat liver. *Biochim. Biophys. Acta*, 239:443-457, 1971.
12. Landau, B.R., Marshall, J.S., Craig, J.W., Hostetler, K.Y. and Genuth, S.M.: Quantitation of the pathways of fructose metabolism in normal and fructose-intolerant subjects. *J. Lab. Clin. Med.*, 78:608-618, 1971.
13. Hostetler, K.Y. and van den Bosch, H.: Subcellular and submitochondrial localization of cardiolipin biosynthesis of cardiolipin and related phospholipids in rat liver. *Biochim. Biophys. Acta*, 260:380-386, 1972.
14. Hostetler, K.Y., van den Bosch, H. and van Deenen, L.L.M.: The mechanism of cardiolipin biosynthesis in liver mitochondria. *Biochim. Biophys. Acta*, 260:507-513, 1972.
15. Hostetler, K.Y., van den Bosch, H. and van Deenen, L.L.M.: Mechanism of cardiolipin biosynthesis in mitochondria. *Abstr. Comm. Meet. Fed. Eur. Biochem. Soc.*, 8:1114, 1972.
16. Poorthuis, B.J.H.M. and Hostetler, K.Y.: Biosynthesis of bis(monoacylglyceryl)-phosphate and acylphosphatidylglycerol in rat liver mitochondrial preparations. *J. Biol. Chem.*, 250:3297-3302, 1975.
17. Hostetler, K.Y., Galesloot, J.M., Boer, P. and van den Bosch, H.: Further studies on the formation of cardiolipin and phosphatidylglycerol in rat liver mitochondria: Effect of divalent cations and the fatty acid composition of CDP-diglyceride. *Biochim. Biophys. Acta*, 380:382-389, 1975.
18. Poorthuis, B.J.H.M. and Hostetler, K.Y.: Localization and properties of bis(monoacylglyceryl)phosphate synthesis in liver subcellular fractions. *Clin. Res.*, 24:119A, 1976.
19. Poorthuis, B.J.H.M. and Hostetler, K.Y.: Studies on the nucleotide diphosphate diacylglycerol specificity of acidic phospholipid biosynthesis in rat liver subcellular fractions. *Biochim. Biophys. Acta*, 431:408-415, 1976.
20. Poorthuis, B.J.H.M., Yazaki, P.J. and Hostetler, K.Y.: An improved two dimensional thin-layer chromatography system for the separation of phosphatidylglycerol and its derivatives. *J. Lipid Res.*, 17:433-437, 1976.
21. Poorthuis, B.J.H.M. and Hostetler, K.Y.: Studies on the subcellular localization and properties of bis(monoacylglyceryl)phosphate biosynthesis in rat liver. *J. Biol. Chem* 251:4596-4602, 1976.
22. Hostetler, K.Y. and Zenner, B.D.: Abnormal membrane phospholipid content in subcellular fractions from the Morris 7777 hepatoma. *Biochim. Biophys. Acta*, 441:231-238, 1976.
23. Hostetler, K.Y., Zenner, B.D. and Morris, H.P.: Increased mitochondrial CTP: Phosphatidic acid cytidyltransferase in 7777 hepatoma. *Biochem. Biophys. Res. Comm* 72:418-425, 1976.
24. Dyatlovitskaya, E.V., Hostetler, K.Y., Einisman, L.I. and Gorkova, N.P.: Biosynthesis of cardiolipin in the rat hepatoma 27 and the Jensen sarcoma. *Biokhimiya*, 41:1421-1425, 1976, (in Russian).

25. Hostetler, K.Y., Hoppel, C.L., Romine, J.S., Sipe, J.C., Gross, S. and Higginbottom, P.: Recurrent myoglobinuria due to a specific deficiency of carnitine palmitoyltransferase A in skeletal muscle mitochondria. *Clin. Res.*, 25:125A, 1977.
26. Poorthuis, B.J.H.M. and Hostetler, K.Y.: Lysosomal bis(monoacylglyceryl)phosphate synthesis requires a phospholipid acyl donor. *Fed. Proc.*, 36:3051, 1977.
27. Hostetler, K.Y., Hoppel, C.L., Romine, J.S., Sipe, J.C., Gross, S. and Higginbottom, P.: Lipid myopathy with recurrent myoglobinuria due to carnitine palmitoyltransferase A deficiency in skeletal muscle mitochondria. *Clin. Res.*, 25:496A, 1977.
28. Poorthuis, B.J.H.M. and Hostetler, K.Y.: Conversion of diphosphatidylglycerol to bis(monoacylglyceryl)phosphate by lysosomes. *J. Lipid Res.*, 19:309-315, 1978.
29. Hostetler, K.Y., Hoppel, C.L., Romine, J.S., Sipe, J.C., Gross, S. and Higginbottom, P.: Partial deficiency of muscle carnitine palmitoyltransferase with normal ketone production. *New Eng. J. Med.*, 298:553-557, 1978.
30. Hostetler, K.Y. and Yazaki, P.J.: Sphingomyelin hydrolysis by rat liver plasma membranes, *Fed. Proc.*, 37:3101, 1978.
31. Hostetler, K.Y., Zenner, B.D. and Morris, H.P.: Altered subcellular and submitochondrial localization of CTP: Phosphatidate cytidyltransferase in the Morris 7777 hepatoma. *J. Lipid Res.*, 19:553-560, 1978.
32. Matsuzawa, Y., Poorthuis, B.J.H.M. and Hostetler, K.Y.: Mechanism of phosphatidylinositol stimulation of lysosomal bis(monoacylglycerol)-phosphate synthesis. *J. Biol. Chem.*, 253:6650-6653, 1978.
33. Hostetler, K.Y. and Poorthuis, B.J.H.M.: Acidic phospholipids and lysosomal bis(monoacylglyceryl)phosphate synthesis: The role of phosphatidylinositol and lysophosphatidylglycerol, in "Cyclitols and Phosphoinositides," Frank Eisenberg, Jr. and William W. Wells, Eds, Academic Press, New York: 1978, pp. 585-597.
34. Hostetler, K.Y. and Yazaki, P.J.: The subcellular localization of neutral sphingomyelinase in rat liver. *J. Lipid Res.*, 20:456-463, 1979.
35. Matsuzawa, Y. and Hostetler, K.Y.: Isolation and characterization of lamellar bodies from the liver of rats treated with chloroquine or 4,4'-diethylaminoethoxy-hexestrol. *Fed. Proc.*, 38:1863, 1979.
36. Hostetler, K.Y., Zenner, B.D. and Morris, H.P.: Phosphatidylserine biosynthesis in mitochondria from the Morris 7777 hepatoma. *J. Lipid Res.*, 20:607-613, 1979.
37. Matsuzawa, Y. and Hostetler, K.Y.: Degradation of bis(monoacylglycerol)phosphate by an acid phosphodiesterase in rat liver lysosomes. *J. Biol. Chem.*, 254:5997-6001, 1979.
38. Hostetler, K.Y., Zenner, B.D. and Morris, H.P.: Phospholipid content of mitochondria and microsomal membranes from Morris hepatomas of varying growth rates. *Cancer Res.*, 39:2978-2983, 1979.
39. Matsuzawa, Y. and Hostetler, K.Y.: Mechanism of lysosomal hydrolysis of bis(monoacylglycerol)phosphate. *Proc. XI Int. Congress. Biochem.*, 11:377, 1979.
40. Matsuzawa, Y. and Hostetler, K.Y.: Studies on drug-induced lipidosis: Subcellular localization of phospholipid and cholesterol in the liver of rats treated with chloroquine or 4,4'-bis(diethylaminoethoxy)- α,β -diethyldiphenylethane. *J. Lipid Res.*, 21:202-214, 1980.

41. Matsuzawa, Y. and Hostetler, K.Y.: Properties of phospholipase C isolated from rat liver lysosomes. *J. Biol. Chem.* 255:646-652, 1980.
42. Matsuzawa, Y. and Hostetler, K.Y.: Inhibition of lysosomal phospholipase A and phospholipase C by chloroquine and 4,4'-bis(diethylaminoethoxy)- α,β -diethyldiphenylethane, *J. Biol. Chem.*, 255:5190-5194, 1980.
43. Hostetler, K.Y. and Yazaki, P.J.: Deficiency of carnitine palmitoyltransferase in transformed lymphoblasts from a patient having a deficiency of carnitine palmitoyltransferase in skeletal muscle. *Biochem. Biophys. Res. Comm.*, 94:270-277, 1980.
44. Poorthuis, B.J.H.M., van der Krift, T.P., Teerlink, T., Hostetler, K.Y. and Wirtz, K.W.A.: Phospholipid transfer activities in Morris hepatomas and the specific contribution of the phosphatidylcholine exchange protein. *Biochim. Biophys. Acta*, 600:376-386, 1980.
45. Hostetler, K.Y. and Hall, L.B.: Phospholipase C activity of rat tissues. *Biochem. Biophys. Res. Comm.*, 96:388-393, 1980.
46. Matsuzawa, Y. and Hostetler, K.Y.: Effects of chloroquine and 4,4'-bis(diethylaminoethoxy)- α,β -diethyldiphenylethane on the incorporation of [3H]glycerol into the phospholipids of rat liver lysosomes and other subcellular fractions, *in vivo*. *Biochim. Biophys. Acta*, 620:592-602, 1980.
47. Hostetler, K.Y. and Matsuzawa, Y.: Chloroquine and 4,4'-diethylaminoethoxy-hexestrol inhibit lysosomal phospholipase A and C. *Fed. Proc.*, 39:1347, 1980.
48. Hoppel, C., Genuth, S., Brass, E., Fuller, R., and Hostetler, K.Y. Carnitine and Carnitine palmitoyltransferase in metabolic studies, in *Carnitine Biosynthesis, Metabolism and Functions*, R.A. Frenkel and J.D. McGarry, Eds, Academic Press, New York: 1980, p. 287-305.
49. Hostetler, K.Y. and Hall, L.B.: Phospholipase C in rat tissues, *in vitro*. *Fed. Proc.*, 39:2033, 1980.
50. Hostetler, K.Y. and Yazaki, P.J.: Phospholipase A activity in human skin fibroblasts, *in vitro*. *Abstr. Comm. Meet. Fed. Eur. Biochem. Soc.*, 13:215, 1980.
51. Hostetler, K.Y. and Matsuzawa, K.: Studies on the mechanism of drug-induced lipodosis. Cationic amphiphilic drug inhibition of lysosomal phospholipases A and C. *Biochem. Pharm.*, 30:1121-1126, 1981.
52. Richman, D.D., Yazaki, P.J. and Hostetler, K.Y.: The intracellular distribution and antiviral activity of amantadine. *Virology*, 111:81-90, 1981.
53. Hostetler, K.Y. and Hall, L.B.: Aminoglycoside antibiotics inhibit lysosomal phospholipase A and C from rat liver *in vitro*. *Biochim. Biophys. Acta*, 710:506-509, 1982.
54. Hostetler, K.Y. and Hall, L.B.: Inhibition of kidney lysosomal phospholipases A and C by aminoglycoside antibiotics: Possible mechanism of aminoglycoside toxicity. *Proc. Nat. Acad. Sci. USA.* 79:1663-1667, 1982.
55. Hostetler, K.Y., Yazaki, P.J., and van den Bosch, H.: Purification of lysosomal phospholipase A: Evidence for multiple isoenzymes in rat liver. *J. Biol. Chem.*, 257:13367-13373, 1982.
56. Hostetler, K.Y. and Richman, D.D.: Studies on the mechanism of phospholipid storage induced by amantadine and chloroquine in Madin Darby canine kidney cells. *Biochemical Pharmacol.*, 31:3795-3799, 1982.

57. Hostetler, K.Y.: Polyglycerophospholipids: Diphosphatidylglycerol, phosphatidylglycerol and bis(monoacylglycero)phosphate, in "Phospholipids, Comprehensive Biochemistry," J.N. Hawthorne, Editor, Elsevier-North Holland, Amsterdam: 1982, p. 215-261.
58. Hostetler, K.Y., Intracellular phospholipid and cholesterol metabolism in Morris hepatomas, in "Membranes in Tumor Growth," T. Galeotti, A. Cittadini, G. Neri and S. Papa, Eds. Elsevier Biomedical, Amsterdam, 1982, p. 481-492.
59. Hostetler, K.Y. and Hall, L.B.: Inhibition of kidney lysosomal phospholipases by aminoglycosides: A possible mechanism in nephrotoxicity. *Clin. Res.*, 30:78A, 1982.
60. Hostetler, K.Y. and Richman, D.D.: Mechanisms of drug-induced lipodosis in cultured kidney cells. *Clin. Res.*, 30:487A, 1982.
61. Vanheusden, G.P.H., van der Krift, T.P., Hostetler, K.Y. and Wirtz, K.W.A.: Effect of nonspecific phospholipid transfer protein on cholesterol esterification in microsomes from Morris hepatomas. *Cancer Res.*, 43:4207-4210, 1983.
62. Hostetler, K.Y. and Pappu, A.: Inhibition of neutral and acidic phospholipase degradation by cationic amphiphilic drugs. *Fed. Proc.* 42:4947, 1983.
63. Pappu, A., Yazaki, P.J. and Hostetler, K.Y.: Inhibition of purified lysosomal phospholipase A₁ by beta adrenergic blockers. *Clin. Res.*, 31:252A, 1983.
64. Hostetler, K.Y. and Wolgast, D.M.: Kidney lysosomal phospholipase A₁ and aminoglycoside nephrotoxicity. *Clin. Res.*, 31:515A, 1983.
65. Fukunga, M., Miller, M.M., Hostetler, K.Y. and Deftos, L.J.: Effect of liposome entrapment on the hypocalcemic action of parenterally administered calcitonin. *Proceeding of the 65th Annual meeting of the Endocrine Society*, June 8-10, 1983, #1204.
66. Nalbone, G. and Hostetler, K.Y.: Phospholipase A activity in two populations of rat heart mitochondria. *Fed. Proc.* 42:869, 1983.
67. Reasor, M.J. and Hostetler, K.Y.: Chloroquine treatment does not cause phospholipid storage by depleting rat liver lysosomes of acid phospholipase A. *Biochim. Biophys. Acta*, 793:497-501, 1984.
68. Pappu, A. and Hostetler, K.Y.: Effect of cationic amphiphilic drugs on the hydrolysis of acidic and neutral phospholipids by liver lysosomal phospholipase A. *Biochem. Pharmacol.*, 33:1639-1644, 1984.
69. Fukanaga, M., Miller, M.M., Hostetler, K.Y. and Deftos, L.J.: Liposome entrapment enhances the hypocalcemic action of parenterally administered calcitonin. *Endocrinol.*, 115(2):757-761, 1984.
70. Hostetler, K.Y.: Molecular studies on the induction of cellular phospholipidosis by cationic amphiphilic drugs. *Fed. Proc.*, 43:2582-2585, 1984.
71. Reasor, M.J., and Hostetler, K.Y.: Chloroquine-induced phospholipidosis in rat liver: Effects on acid phospholipase A activity. *Toxicologist* 4:43, 1984.
72. Hostetler, K.Y., Pappu, A.S. and Witztum, L.J.: Reduced postheparin lipoprotein lipase in drug-induced hypertriglyceridemia in guinea pigs. *Clin. Res.* 32:85A, 1984.
73. Hostetler, K.Y., Reasor, M.J. and Frazee, B.W.: Mechanisms of amiodarone pulmonary toxicity. *Clin. Res.* 32:528A, 1984.

74. Hostetler, K.Y., Reasor, M.J. and Frazee, B.W.: Mechanisms of amiodarone toxicity: inhibition of phospholipase A. *Circulation* 70: Suppl II., 957, 1984.
75. Nalbhone, G. and Hostetler, K.Y.: subcellular localization of the phospholipases A of rat heart: Evidence for a cytosolic phospholipase A1. *J. Lipid Res.*, 26:104-114, 1985.
76. Hostetler, K.Y., Pappu, A.S. and Witztum, J.L.: Diethylaminoethoxyhexestrol causes severe hypertriglyceridemia in guinea pigs. *Biochim. Biophys. Acta* 833:165-169, 1985.
77. Pappu, A., Yazaki, P.J. and Hostetler, K.Y.: Inhibition of purified lysosomal phospholipase A1 by various beta adrenergic blockers. *Biochem. Pharmacol.*, 34:521-524, 1985.
78. Hostetler, K.Y., Reasor, M.J. and Yazaki, P.J.: Chloroquine-induced phospholipid fatty liver: Measurement of drug and lipid concentrations in rat liver lysosomes. *J. Biol. Chem.* 260:215-219, 1985.
79. Kubo, M. and Hostetler, K.Y.: Mechanism of cationic amphiphilic drug inhibition of purified lysosomal phospholipase A₁. *Biochemistry*, 24:6515-6520, 1985.
80. Hostetler, K.Y.: The role of phospholipases in human diseases, in "Phospholipids and Cellular Regulation" Vol. 1, J.F. Kuo, Ed., CRC Press, Atlanta, 1985, p. 181-206.
81. Kubo, M., Reasor, M.J. and Hostetler, K.Y.: Mechanisms of chloroquine toxicity: Inhibition of lysosomal phospholipase A. *Clin. Res.* 33:91A, 1985.
82. Reasor, M.J., Walker, E.J. and Hostetler, K.Y.: Amiodarone-induced phospholipidosis in rats. *Toxicologist*. 5:48, 1985.
83. Kubo, M. and Hostetler, K.Y.: Inhibition of lysosomal phospholipase A₁: role of drug binding to substrate. *Clin. Res.* 33:528A, 1985.
84. Kubo, M. and Hostetler, K.Y.: Measurement of gentamicin and propranolol binding to small unilamellar phospholipid vesicles. *Clin. Res.* 33:586A, 1985.
85. Kubo, M. and Hostetler, K.Y.: Drug-induced lipidosis: Mechanism of inhibition of phospholipase A₁ and the role of drug binding to substrate. *Proc. 13th Int. Cong. Biochem.* MO-631, 1985.
86. Hostetler, K.Y., Reasor, M.J., Walker, E.R., Yazaki, P.J. and Frazee, B.W. Role of phospholipase A inhibition in amiodarone pulmonary toxicity in rats. *Biochim. Biophys. Acta*, 875:400-405, 1986.
87. Kubo, M., Gardner, M.F. and Hostetler, K.Y. Binding of propranolol and gentamicin to small unilamellar phospholipid vesicles: contribution of ionic and hydrophobic forces. *Biochem. Pharmacol.* 35:3761-3765, 1986.
88. Hostetler, K.Y., Gardner, M.F. and Giordano, J. Purification of lysosomal phospholipase A and demonstration of proteins that inhibit phospholipase A in a lysosomal fraction from rat kidney cortex. *Biochemistry* 25:6456-6461, 1986.
89. Richman, D.D., Hostetler, K.Y., Yazaki, P.J. and Clark, S. Fate of influenza A virion proteins after entry into subcellular fractions of LLC cells and the effect of amantadine. *Virology*, 151:200-210, 1986.
90. Nalbhone, G., Hostetler, K.Y., Leonardi, J., M. Trotz., and H. Lafont. Partial characterization of rat heart cytosolic phospholipase A1: and demonstration of essential sulfhydryl groups. *Biochim. Biophys. Acta.* 877:88-95, 1986.

91. Hostetler, K.Y.: Phospholipid fatty liver: an acquired disease of impaired phospholipid catabolism, in *Lipids and Biomembranes: Past, Present and Future*, J.A.F. op den Kamp, B. Roelofsen and K.W.A. Wirtz Editors, Elsevier Science Publishers, Amsterdam, pp. 307-324, 1986.
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93. Hostetler, K.Y. and Jellison, E.J.: Propranolol inhibits phospholipase A of dog heart sarcoplasmic reticulum. *Clin. Res.* 34:89A, 1986.
94. Hostetler, K.Y. and Kubo, M.: Propranolol is a noncompetitive inhibitor of lipoprotein lipase. *Clin. Res.* 34:683A, 1986.
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96. Kubo, M. and Hostetler, K.Y. Metabolic basis of diethylaminoethoxyhexestrol-induced phospholipid fatty liver. *Am. J. Physiol.* 252:E375-379, 1987.
97. Kubo, M. and Hostetler, K.Y. Diethylaminoethoxyhexestrol inhibition of purified rat liver lysosomal phospholipase A₁: Role of drug binding to substrate. *J. Pharmacol. Exp. Therapeutics*, 240:88-92, 1987.
98. Kubo, M. and Hostetler, K.Y. Inhibition of purified bovine milk lipoprotein lipase by propranolol and other β -adrenergic blockers *in vitro*. *Biochim. Biophys. Acta.* 918:168-174, 1987.
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100. Hostetler, K.Y., Giordano, J.R. and Jellison, E.J. In vitro inhibition of lysosomal phospholipase A₁ of rat lung by amiodarone and desethylaminodarone. *Biochim. Biophys. Acta.* 959:316-321, 1988.
101. Richman, D.D., Mitsuya, H., Broder, S. and Hostetler, K.Y. Fusidic acid, HIV, and host cell toxicity. *Lancet*, i, 1051-1052, 1988.
102. Trotz, M., Hein, L., and Hostetler, K.Y. Solubilization and partial characterization of phospholipase A from rat heart sarcoplasmic reticulum. *Biochim. Biophys. Acta*, 962:248-257, 1988.
103. Hostetler, K.Y. and Jellison, E.J. Cardiac phospholipases A: subcellular localization, properties and effects of selected inhibitors. *Proceedings of the 2nd International Symposium on Lipid Metabolism in the Normoxic and Ischemic Heart*, Maastricht, September, 1988.
104. Hostetler, K.Y. and Jellison, E.J. Evidence that aminoglycoside inhibition of lysosomal phospholipase a occurs by substrate depletion. *Proceedings of the 14th International Congress of Biochemistry*, TU:222, 1988.
105. Hostetler, K.Y. and Jellison, E.J. Evidence that aminoglycoside inhibition of lysosomal phospholipase A occurs by substrate depletion. *J. Cell. Biochem. Suppl* 12E, S-319, 1988.
106. Kihara, S., Kubo, M., Ikeda, N., Yokoyama, S., Matsuzawa, Y., Tarui, S., Yamamoto, A. and Hostetler, K.Y. Inhibition of purified human postheparin lipoprotein lipase by beta adrenergic blockers *in vitro*. *Biochemical Pharmacology*, 38:407-411, 1989.

107. Hostetler, K.Y. and Jellison, E.J. Role of phospholipases in myocardial ischemia: effect of cardioprotective agents on the phospholipases A of heart cytosol and sarcoplasmic reticulum in vitro. *Mol. Cell Biochem.*, 88:77-82, 1989.
108. Hostetler, K.Y. and Richman, D.D. Inhibition of HIV replication by novel phospholipid derivatives of AZT and other antiretroviral nucleosides in vitro. *Proceedings of the 5th International Conference on AIDS, Th.C.O.18*, p. 536, 1989.
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