

CURRICULUM VITAE

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EDUCATION:

University of Chicago; Chicago, Illinois
B.A.; Biology; 1967

Yale University; New Haven, Connecticut
M.S.; Biochemistry; 1969

City University of New York; New York, New York
Ph.D.; Biomedical Sciences (Physiology); 1974

AWARDS, FELLOWSHIPS, SCHOLARSHIPS:

1963	Merit Scholar
1963-1967	Board of Education Scholarship (Philadelphia)
1964	Lillian Gertrude Selz Award (University of Chicago)
1966	Phi Beta Kappa
1967-1969	NIH Traineeship (Yale)
1970-1972	NSF Predoctoral Fellowship
1973	CUNY Dissertation Year Fellowship
1978-1979	NIH-Swiss National Science Foundation Fellowship
1978-1979	Roche Foundation Fellowship
2008	Jellinek Memorial Award
2013	RSA Distinguished Researcher Award

PROFESSIONAL EXPERIENCE:

- 2014-present Adjoint Professor, Department of Pharmaceutical Sciences, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora CO
- 1991-present Professor, Department of Pharmacology, University of Colorado School of Medicine, Aurora, Colorado
- 1986-1991 Chief, Section on Receptor Mechanisms, Laboratory of Physiologic and Pharmacologic Studies, National Institute on Alcohol Abuse and Alcoholism, Rockville, Maryland
- 1984-1986 Chief, Section on Neurobiology, Laboratory for Studies of Neuroadaptive Processes, National Institute on Alcohol Abuse and Alcoholism, Rockville, Maryland
- 1984-1990 Visiting Associate Professor, Department of Physiology and Biophysics, University of Illinois at Chicago, Health Sciences Center, Chicago, Illinois
- 1980-1984 Associate Professor, Department of Physiology and Biophysics, University of Illinois at Chicago, Health Sciences Center, Chicago, Illinois
- 1978-1979 Visiting Scientist, Medizinisch-chemisches Institut, University of Bern, Bern, Switzerland
- 1974-1980 Assistant Professor, Department of Physiology and Biophysics, University of Illinois at Chicago, Health Sciences Center, Chicago, Illinois
- 1974 Research Associate, Mt. Sinai School of Medicine, New York, New York
- 1974 Biomedical Abstractor, Council for Tobacco Research USA, New York, New York
- 1971-1974 Editorial Assistant, Physiology Department, Mt. Sinai School of Medicine, New York, New York
- 1967 Research Technician, AMA-ERF Institute for Biomedical Research, Chicago, Illinois

PROFESSIONAL SOCIETIES:

- American Society for Pharmacology and Experimental Therapeutics (FASEB)
Subcommittee on Women in Pharmacology (1986-1988)
- Research Society on Alcoholism
Board of Directors (1985-1989; 1995-1999)
Program Committee (1981-1984, 1989, 1991, 1996, 1999; Chair, 2000; 2008)
Membership Committee (1983-1985)
Annual Meeting Coordinator (1987)
Chair, Finance Committee (1996-1997)
Chair, Subcommittee on Bylaws (1998 – 2000)
Award Committee (2014-present, Chair, 2015-).
- International Society for Biomedical Research on Alcoholism
Central Committee (1982-1983)
Program Committee (1982-1983; 1996; 2008)
Board of Directors (1994-present)
Treasurer (1994-present)
- American Society for Neurochemistry
Council (1991-1995)
Standing Rules Committee (1995 - 1997)
Program Committee (1995)
Chair, Local Organizing Committee (1998 meeting)
- American College of Neuropsychopharmacology
Biophysical Society
American Association for the Advancement of Science
Sigma Xi

PUBLICATIONS:

Papers:

1. Walter, R., Schwartz, I.L., Hechter, O., Dousa, T.P. and **Hoffman, P.L.**, Bromoacetyl oxytocin, an irreversible inhibitor of adenylate cyclase and a possible affinity label for hormone receptors. *Endocrinol.* 91:39-48 (1973).
2. **Hoffman, P.L.** and Walter, R., Action of chymotrypsin on intact oxytocin and a linear derivative. In: *Intracellular Protein Catabolism*, H. Hanson and P. Bohlen, eds., pp. 337-345, J. Ambrosius Barth, Germany (1976).
3. Walter, R. and **Hoffman, P.L.**, Physiology of purines and pyrimidines. In: *Best and Taylor's Physiological Basis of Medical Practice*, J.R. Brobeck, ed., 9th Edition, pp. 142-157, Williams and Wilkins, Baltimore (1973); Walter, R., Hoffman, P.L. and Holmes, E.W. In: *Best and Taylor's Physiological Basis of Medical Practice*, 10th Edition, pp. 140-155 (1979).
4. Walter, R. and **Hoffman, P.L.**, Conformational constraints within neurohypophyseal hormones influencing the action of chymotrypsin. *Biochim. Biophys. Acta* 336:294-305 (1974).
5. Surovec, D., **Hoffman, P.L.** and Walter, R., Comparison of some biological activities of arginine vasotocin and synthetic analogs. *Experientia* 30:823-824 (1974).
6. Walter, R., **Hoffman, P.L.**, Flexner, J.B. and Flexner, L.B., Neurohypophyseal hormones, analogs and fragments: Their effect on puromycin-induced amnesia. *Proc. Natl. Acad. Sci., USA* 72:4180-4184 (1975).
7. **Hoffman, P.L.** and Walter, R., Preparation of oxytocin labelled with ^{14}C in the tyrosine residue. *FEBS Lett.* 66:176-178 (1976).
8. **Hoffman, P.L.**, Walter, R. and Bulat, M., An enzymatically stable peptide with activity in the central nervous system: Its penetration through the blood-CSF barrier. *Brain Res.* 122:87-94 (1977).
9. Tabakoff, B. and **Hoffman, P.L.**, Tolerance and physical dependence: Noradrenergic and serotonergic correlates. In: *Currents in Alcoholism*, F.A. Seixas, ed., pp. 123-137, Grune and Stratton, New York (1977).
10. Tabakoff, B., **Hoffman, P.L.** and Moses, F., Neurochemical correlates of alcohol withdrawal: Alterations in serotonin turnover. *J. Pharm. Pharmacol.* 29:471-476 (1977).
11. Tabakoff, B. and **Hoffman, P.L.**, Measures of physical dependence and involvement of serotonin in withdrawal symptomatology. In: *Advances in Experimental Medicine and Biology*, M.M. Gross, ed., Volume 85A, pp. 547-558, Plenum Press, New York (1977).

12. Tabakoff, B., Ritzmann, R.F. and **Hoffman, P.L.**, Role of catecholamines in development of tolerance to barbiturates and ethanol. In: *Advances in Experimental Medicine and Biology*, M.M. Gross, ed., Volume 85B, pp. 155-168, Plenum Press, New York (1977).
13. **Hoffman, P.L.** and Tabakoff, B., Alterations in dopamine receptor sensitivity by chronic ethanol treatment. *Nature* 268:551-553 (1977).
14. Flexner, J.B., Flexner, L.B., **Hoffman, P.L.** and Walter, R., Dose-response relationships in attenuation of puromycin-induced amnesia by neurohypophyseal peptides. *Brain Res.* 134:139-144 (1977).
15. Walter, R. and **Hoffman, P.L.**, Proposed mechanisms of action of neurohypophyseal peptides in memory processes and possible routes for the biosynthesis of peptides with a C-terminal carboxamide group. In: *Neuropeptide Influences on the Brain and Behavior*, L.H. Miller, C.A. Sandman and A.J. Kastin, eds., pp. 109-126, Raven Press, New York (1977).
16. Tabakoff, B., **Hoffman, P.L.** and Ritzmann, R.F., Integrated neuronal models for development of alcohol tolerance and dependence. In: *Currents in Alcoholism*, F.A. Seixas, ed., Volume 2, pp. 97-118, Grune and Stratton, New York (1978).
17. Flexner, J.B., Flexner, L.B., Walter, R. and **Hoffman, P.L.**, ADH and related peptides: Effect of pre- or post-training treatment on puromycin amnesia. *Pharm. Biochem. Behav.* 8:93-95 (1978).
18. Tabakoff, B., **Hoffman, P.L.** and Ritzmann, R.F., Dopamine receptor function after chronic ingestion of ethanol. *Life Sci.* 23:643-648 (1978).
19. Tabakoff, B. and **Hoffman, P.L.**, Alterations in receptors controlling dopamine synthesis after chronic ethanol ingestion. *J. Neurochem.* 31:1223-1229 (1978).
20. **Hoffman, P.L.**, Ritzmann, R.F., Walter, R. and Tabakoff, B., Arginine vasopressin maintains ethanol tolerance. *Nature* 276:614-616 (1978).
21. Tabakoff, B. and **Hoffman, P.L.**, Development of functional dependence on ethanol in dopaminergic systems. *J. Pharmacol. Exp. Ther.* 208:216-222 (1979).
22. **Hoffman, P.L.**, Ritzmann, R.F. and Tabakoff, B., The influence of arginine vasopressin and oxytocin on ethanol dependence and tolerance. In: *Currents in Alcoholism*, M. Galanter, ed., Volume 5, pp. 5-16, Grune and Stratton, New York (1979).
23. **Hoffman, P.L.** and Tabakoff, B., Peptide-neurotransmitter interactions influencing ethanol tolerance. *Drug Alc. Dependence* 4:249-253 (1979).
24. **Hoffman, P.L.** and Tabakoff, B., Adaptive changes in the dopamine system produced by chronic ethanol feeding. *Drug Alc. Dependence* 4:255-260 (1979).
25. Tabakoff, B., Ritzmann, R.F. and **Hoffman, P.L.**, Malfunction of dopamine systems in ethanol-dependent animals. In: *Catecholamines: Basic and Clinical Frontiers*, E. Usdin, ed., pp. 713-715, Pergamon Press, New York (1979).

26. Rainbow, T.C., Flexner, J.B., Flexner, L.B., **Hoffman, P.L.** and Walter, R., Distribution, survival and biological effects in mice of a behaviorally active, enzymatically stable peptide: pharmacokinetics of cyclo(Leu-Gly) and puromycin-induced amnesia. *Pharm. Biochem. Behav.* 10:787-793 (1979).
27. **Hoffman, P.L.** and Tabakoff, B., Modification of dopamine receptor-mediated processes after chronic ethanol intoxication: A possible mechanism. In: *Advances in Experimental Medicine and Biology*, H. Begleiter, ed., Volume 126, pp. 21-42, Plenum Press, New York (1980).
28. Rainbow, T.C., **Hoffman, P.L.** and Flexner, L.B., Studies on memory: A reevaluation in mice of the effects of inhibitors on the rate of synthesis of cerebral proteins as related to amnesia. *Pharm. Biochem. Behav.* 12:79-84 (1980).
29. Tabakoff, B. and **Hoffman, P.L.**, Alcohol and neurotransmitters. In: *Alcohol Tolerance, Dependence and Addiction*, H. Rieger and J. Crabbe, eds., pp. 201-226, Elsevier/North-Holland, Amsterdam (1980).
30. **Hoffman, P.L.**, Wermuth, B. and von Wartburg, J.-P., Human brain aldehyde reductases: Relationship to succinic semialdehyde reductase and aldose reductase. *J. Neurochem.* 35:354-366 (1980).
31. **Hoffman, P.L.**, Wermuth, B. and von Wartburg, J.-P., Multiple aldehyde reductases of human brain. In: *Alcohol and Aldehyde Metabolizing Systems IV*, R.G. Thurman, ed., pp. 749-760, Plenum Press, New York (1980).
32. **Hoffman, P.L.**, Levental, M., Fields, J.Z. and Tabakoff, B., Receptor and membrane function in the alcohol tolerant/dependent animal. In: *Alcohol and Aldehyde Metabolizing Systems IV*, R.G. Thurman, ed., pp. 761-770, Plenum Press, New York (1980).
33. Walter, R., Flexner, L.B., Ritzmann, R.F., Bhargava, H.M. and **Hoffman, P.L.**, Central nervous system effects of posterior pituitary hormones, fragments and their derivatives on drug tolerance/dependence and behavior. In: *Polypeptide Hormones*, R.F. Beers, Jr. and E.G. Bassett, eds., pp. 321-336, Raven Press, New York (1980).
34. Walter, R., Flexner, L.B., Ritzmann, R.F., Tabakoff, B. and **Hoffman, P.L.**, Neurohypophyseal hormones and CNS adaptation. In: *The Role of Peptides in Neuronal Function*, J. Barker and T.G. Smith, Jr., eds., pp. 653-666, Marcel Dekker, New York (1980).
35. Black, R.F., **Hoffman, P.L.** and Tabakoff, B., Receptor-mediated dopaminergic function after ethanol withdrawal. *Alcohol. Clin. Exp. Res.* 4:294-297 (1980).
36. **Hoffman, P.L.** and Tabakoff, B., Receptor and neurotransmitter changes produced by chronic alcohol ingestion. In: *Advances in Neurotoxicology*, L. Manzo, ed., pp. 107-115, Pergamon Press, Oxford (1980).
37. Tabakoff, B., Urwyler, S. and **Hoffman, P.L.**, Anomalies in the function of dopamine systems in ethanol-withdrawn animals. In: *Addiction and Brain Damage*, D. Richter, ed., pp. 129-140, Croom Helm, London (1980).

38. Tabakoff, B., Melchior, C.L., Urwyler, S. and **Hoffman, P.L.**, Alterations in neurotransmitter function during the development of ethanol tolerance and dependence. *Acta Psychiat. Scand.* 62, Suppl. 286:153-160 (1980).
39. Walter, R., **Hoffman, P.L.**, Flexner, J.B. and Flexner, L.B., Time-dependency of neurohypophyseal peptide attenuation of puromycin amnesia in mice. *Int. J. Pept. Prot. Res.* 16:482-486 (1980).
40. **Hoffman, P.L.**, Ritzmann, R.F. and Tabakoff, B., Neurohypophyseal hormone influences on ethanol tolerance and acute effects of ethanol. *Pharm. Biochem. Behav.* 13, Suppl. 1:279-284 (1980).
41. Tabakoff, B., Urwyler, S. and **Hoffman, P.L.**, Ethanol alters kinetic characteristics and function of striatal morphine receptors. *J. Neurochem.* 37:518-521 (1981).
42. **Hoffman, P.L.** and Tabakoff, B., Centrally acting peptides and tolerance to ethanol. In: *Currents in Alcoholism*, M. Galanter, ed., Volume VIII, pp. 359-378, Grune and Stratton, New York (1981).
43. **Hoffman, P.L.** and Tabakoff, B., A critical appraisal of aldehyde reductase activities in brain. In: *Function and Regulation of Monoamine Enzymes - Basic and Clinical Aspects*, E. Usdin, N. Weiner and M. Youdim, eds., pp. 621-632, MacMillan Publishers, Ltd., London (1981).
44. Tabakoff, B., Melchior, C.L. and **Hoffman, P.L.**, Commentary on ethanol tolerance. *Alcohol. Clin. Exp. Res.* 6:252-259 (1982).
45. **Hoffman, P.L.**, Flexner, L.B., Flexner, J.B., Tabakoff, B., Ritzmann, R.F. and Walter, R., Influences of neurohypophyseal hormones and related peptides on adaptive phenomena in the central nervous system. In: *Changing Concepts of the Nervous System*, A. Morrison and P.L. Strick, eds., pp. 743-755, Academic Press, New York (1982).
46. **Hoffman, P.L.**, Neurohypophyseal hormones. In: *Biochemistry of Mammalian Reproduction*, L.J.D. Zaneveld and R.T. Chatterton, eds., pp. 513-526, John Wiley and Sons, New York (1982).
47. **Hoffman, P.L.** and Tabakoff, B., Effects of ethanol on Arrhenius parameters and activity of mouse striatal adenylate cyclase. *Biochem. Pharmacol.* 31:3101-3106 (1982).
48. Walter, R., **Hoffman, P.L.**, Church, A.C., Flexner, J.B. and Flexner, L.B., The cyclized C-terminal dipeptide of arginine vasopressin: Metabolic stability and antagonism of puromycin-induced amnesia. *Horm. Behav.* 16:234-244 (1982).
49. **Hoffman, P.L.**, Urwyler, S. and Tabakoff, B., Alterations in opiate receptor function following chronic ethanol exposure. *J. Pharmacol. Exp. Ther.* 222:182-189 (1982).
50. **Hoffman, P.L.**, Structural requirements for neurohypophyseal peptide maintenance of ethanol tolerance. *Pharm. Biochem. Behav.* 17:685-690 (1982).
51. Tabakoff, B. and **Hoffman, P.L.**, Alcohol interactions with brain opiate receptors. *Life Sci.* 32:197-204 (1983).

52. **Hoffman, P.L.**, Melchior, C.L. and Tabakoff, B., Vasopressin maintenance of ethanol tolerance requires intact brain noradrenergic systems. *Life Sci.* 32:1065-1071 (1983).
53. Tabakoff, B. and **Hoffman, P.L.**, Neurochemical aspects of tolerance to and physical dependence on alcohol. In: *Biology of Alcoholism*, B. Kissin and H. Begleiter, eds., Volume 7, pp. 199-252, Plenum Press, New York (1983).
54. Kiianmaa, K., **Hoffman, P.L.** and Tabakoff, B., Antagonism of the behavioral effects of ethanol by naltrexone in BALB/c, C57Bl/6 and DBA/2 mice. *Psychopharmacol.* 79:291-294 (1983).
55. **Hoffman, P.L.**, Luthin, G.R., Theodoropoulos, D., Cordopatis, P. and Tabakoff, B., Ethanol effects on striatal dopamine receptor-coupled adenylate cyclase and on striatal opiate receptors. *Pharm. Biochem. Behav.* 18, Suppl. 1:355-359 (1983).
56. **Hoffman, P.L.**, Melchior, C.L. and Tabakoff, B., Modulation of ethanol tolerance by neurohypophyseal hormones. *NIAAA Research Monograph No.13*, T.J. Cicero, ed., pp. 231-241, U.S. Government Printing Office, Washington, D.C. (1983).
57. Melchior, C.L., **Hoffman, P.L.** and Tabakoff, B., Influencing environment-dependent tolerance to ethanol. *NIAAA Research Monograph No. 13*, T.J. Cicero, ed., pp. 242-249, U.S. Government Printing Office, Washington, D.C. (1983).
58. Tabakoff, B., **Hoffman, P.L.** and Melchior, C.L., Evolving concepts in ethanol tolerance and dependence. *NIAAA Research Monograph No. 13*, T.J. Cicero, ed., pp. 47-57, U.S. Government Printing Office, Washington, D.C. (1983).
59. Tabakoff, B., Melchior, C.L. and **Hoffman, P.L.**, Factors in ethanol tolerance. *Science* 224:523-524 (1984).
60. **Hoffman, P.L.**, Chung, C.T. and Tabakoff, B., Effects of ethanol, temperature and endogenous regulatory factors on the characteristics of striatal opiate receptors. *J. Neurochem.* 43:1003-1010 (1984).
61. **Hoffman, P.L.** and Tabakoff, B., Neurohypophyseal peptides maintain tolerance to the incoordinating effects of ethanol. *Pharm. Biochem. Behav.* 21:539-543 (1984).
62. Hung, C.-R., Tabakoff, B., Melchior, C.L. and **Hoffman, P.L.**, Intraventricular arginine vasopressin maintains ethanol tolerance. *Eur. J. Pharmacol.* 106:645-648 (1984).
63. Tabakoff, B. and **Hoffman, P.L.**, The biological basis of alcohol tolerance and intoxication. In: *Biologie der Sucht*, W. Keup, ed., pp. 44-68, Springer-Verlag, Berlin (1985).
64. Tabakoff, B., Valverius, P., Borg, S., Lee, J.M., Jaffe, R., U'Prichard, D. and **Hoffman, P.L.**, Characteristics of receptors and enzymes in brains of human alcoholics. *Alcohol* 2:419-423 (1985).
65. Tabakoff, B., Lee, J.M., DeLeon-Jones, F. and **Hoffman, P.L.**, Ethanol inhibits MAO-B activity in human platelet and brain tissue. *Psychopharmacol.* 87:152-156 (1985).

66. **Hoffman, P.L.** and Tabakoff, B., Ethanol's action on brain biochemistry. In: *Alcohol and the Brain: Chronic Effects*, R.E. Tarter and D.H. van Thiel, eds., pp. 19-68, Plenum Press, New York (1985).
67. Tabakoff, B. and **Hoffman, P.L.**, Receptor-coupled adenylate cyclase systems in brain: Targets for alcohol action. *Substance Abuse* 6(2):17-23 (1985).
68. **Hoffman, P.L.** and Tabakoff, B., Ethanol does not modify opiate-mediated inhibition of striatal adenylate cyclase. *J. Neurochem.* 46:812-816 (1986).
69. Nhamburo, P.T., Salafsky, B.P., **Hoffman, P.L.** and Tabakoff, B., Effects of short-chain alcohols and norepinephrine on brain (Na⁺,K⁺)ATPase activity. *Biochem. Pharmacol.* 35:1987-1992 (1986).
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71. **Hoffman, P.L.**, Moses, F., Luthin, G.R. and Tabakoff, B., Acute and chronic effects of ethanol on receptor-mediated phosphatidylinositol 4,5-bisphosphate breakdown in brain. *Mol. Pharmacol.* 30:13-18 (1986).
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73. **Hoffman, P.L.**, Central nervous system effects of neurohypophyseal peptides. In: *The Peptides*, C.W. Smith, ed., Volume 8, pp. 239-295, Academic Press, New York (1987).
74. Tabakoff, B. and **Hoffman, P.L.**, Interactions of ethanol with opiate receptors: Implications for the mechanism of action of ethanol. In: *Brain Reward Systems and Abuse*, J. Engel and L. Oreland, eds., pp. 99-107, Raven Press, New York (1987).
75. **Hoffman, P.L.**, Valverius, P., Kwast, M. and Tabakoff, B., Comparison of the effects of ethanol on beta-adrenergic receptors in heart and brain. *Alcohol. Alcoholism Suppl.* 1:749-754 (1987).
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78. **Hoffman, P.L.**, Saito, T. and Tabakoff, B., Selective effects of ethanol on neurotransmitter receptor-effector coupling systems in different brain areas. *Ann. N.Y. Acad. Sci.* 492:396-397 (1987).
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82. **Hoffman, P.L.**, Tabakoff, B., Szabó, G., Suzdak, P.D. and Paul, S.M., Effect of an imidazobenzodiazepine, Ro15-4513, on the incoordination and hypothermia produced by ethanol and pentobarbital. *Life Sci.* 41:611-619 (1987).
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84. Khatami, S., **Hoffman, P.L.**, Shibuya, T. and Salafsky, B., Selective effects of ethanol on opiate receptor subtypes in brain. *Neuropharmacol.* 26:1503-1506 (1987).
85. Tabakoff, B. and **Hoffman, P.L.**, Biochemical pharmacology of alcohol. In: *Psychopharmacology - The Third Generation of Progress*, H.Y. Meltzer, ed., pp. 1521-1526, Raven Press, New York (1987).
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87. **Hoffman, P.L.**, Szabó, G. and Tabakoff, B., Vasopressin and alcohol tolerance. *Substance Abuse* 8(3):3-13 (1987).
88. Tabakoff, B. and **Hoffman, P.L.**, Tolerance and the etiology of alcoholism: Hypothesis and mechanism. *Alcohol. Clin. Exp. Res.* 12:184-186 (1988).
89. Szabó, G., **Hoffman, P.L.** and Tabakoff, B., Forskolin promotes the development of ethanol tolerance in 6-hydroxydopamine-treated mice. *Life Sci.* 42:615-621 (1988).
90. Tabakoff, B., **Hoffman, P.L.**, Lee, J.M., Saito, T., Willard, B. and DeLeon-Jones, F., Differences in platelet enzyme activity between alcoholics and nonalcoholics. *New Engl. J. Med.* 318:134-139 (1988).
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92. Tabakoff, B., **Hoffman, P.L.**, Valverius, P., Nhamburo, P.T. and Saito, T., Selectivity of ethanol's actions on brain receptor systems: Catecholamines and ethanol. *Australian Drug Alcohol. Rev.* 7:39-42 (1988).
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94. Szabó, G., Tabakoff, B. and **Hoffman, P.L.**, Ethanol tolerance is influenced by central vasopressin receptors. In: *Peptides*, B. Penke and A. Tökök, eds., pp. 293-295, Walter de Gruyter and Company, New York (1988).
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97. Saito, T., Hatta, S., Watanabe, M., Ishizawa, H., Tsuchiya, F., **Hoffman, P.L.** and Tabakoff, B., Ethanol's effects on receptor-adenylate cyclase system. In: *Biomedical and Social Aspects of Alcohol and Alcoholism*, K. Kuriyama, A. Takada and H. Ishii, eds., pp. 265-268, Elsevier Science Publishers, Amsterdam (1988).
98. **Hoffman, P.L.**, Dave, J.R., Ishizawa, H. and Tabakoff, B., Molecular biological techniques in alcohol research: Vasopressin and ethanol tolerance. In: *Biomedical and Social Aspects of Alcohol and Alcoholism*, K. Kuriyama, A. Takada and H. Ishii, eds., pp. 371-375, Elsevier Science Publishers, Amsterdam (1988).
99. Tabakoff, B. and **Hoffman, P.L.**, A neurobiological theory of alcoholism. In: *Theories of Alcoholism*, C.D. Chaudron and D.A. Wilkinson, eds., pp. 29-72, Addiction Research Foundation, Toronto (1988).
100. **Hoffman, P.L.**, Szabó, G. and Tabakoff, B., The effects of vasopressin and related peptides on tolerance to ethanol. In: *Peptide and Amino Acid Transport Mechanisms in the Central Nervous System*, L. Rakić, D.J. Begley, H. Davidson and B.V. Zloković, eds., pp. 147-156, Stockton Press, New York (1988).
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190. **Hoffman, P.L.**, Saba, L., Bhave, S.V., Kechris, K., Hu, W., Blednov, Y., Finn, D., Grahame, N and Tabakoff, B. Genetic determinants of alcohol consumption by mice. *Alcohol: Clin. Exp. Res.* 32:295A (2008).
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193. Clapp, P., Dell'Acqua, M.L. and **Hoffman, P.L.** Changes in NMDA receptor localization in hippocampal neurons after chronic ethanol exposure and withdrawal. *Alcohol: Clin. Exp. Res.* 32:155A (2008).
194. Tabakoff, B., Pronko, S., Couppis, M., Maragnoli, E. and **Hoffman, P.L.** Beyond the GPCRS: effector characteristics and ethanol's action. *Alcohol: Clin Exp. Res.* 32:317A (2008).
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210. Flink, S., Kechris, K., Saba, L., Grahame, N., Tabakoff, B. and **Hoffman, P.L.** Changes in brain gene expression during selective breeding for alcohol preference. *Alcohol: Clin. Exp. Res.* 35:259A (2011).

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215. Vanderlinden, L.M., Saba, L.M., Miles, M., **Hoffman, P.L.** and Tabakoff, B. Cross-brain regional transcriptional networks associated with alcohol consumption. *Alcoholism: Clin Exp Res* **37**:251A (2013).
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217. Saba, L., Printz, M., Tsukamoto, H., **Hoffman, P.** and Tabakoff, B. Using cell type-specific transcriptome expression to identify genetic interaction within and across cell types in rat liver. *Alcohol: Clin Exp Res* **37**:250A (2013).
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220. Vanderlinden, L., Saba, L.M., Koob, G., Printz, M., Richardson, H.N., Flodman, P., Tabakoff, B. and **Hoffman, P.L.** Is the alcohol deprivation effect genetically mediated? *Alcohol: Clin Exp Res* **38** Suppl. S1: 226A (2014).
221. Tabakoff, B., Saba, L., Flink, S., Vanderlinden, L., Mahaffey, S., Yu, Y. and **Hoffman, P.** Transcriptomics: seeking an endophenotype for addiction. *Alcohol: Clin Exp Res* **38** Suppl s1: 2A (2014).
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- Printz M., Flodman P., Koob, G., Richardson H.N., **Hoffman P.L.** and Tabakoff B. Extensive genetical genomic analysis illustrates neuroimmune network involvement in alcohol preference in rats. *Alcohol: Clin Exp Res* (2015).
223. Flink S.C., Saba, L.M., **Hoffman, P.L.** and Tabakoff, B. Small regulatory RNA in rat brain: miRNA transcripts associated with drinking behavior across the HXB RI panel and in males and females from the HXB parental strains. *Alcohol: Clin Exp Res* (2015).
224. Saba, L.M., **Hoffman, P.L.**, Vanderlinden, L.A., Pravenec, M., Tsukamoto, H. and Tabakoff, Genetic differences in alcohol metabolism. *Alcohol: Clin Exp Res* (2015).
225. Saba, L.M., Flink, S., **Hoffman, P.L.** and Tabakoff, B. Genetic differences in sex effects on brain RNA expression: implications for sex differences in genetic determinants of excessive alcohol consumption. *Alcohol: Clin Exp Res* (2015).
226. Saba, L. M., Vanderlinden, L., Pravenec, M., **Hoffman, P.L.**, and Tabakoff, B. Genetic sources of variation in the rate of alcohol metabolism and acetate production. *Alcohol: Clin Exp. Res.* (2016).
227. Saba, L., Vanderlinden, L., Homanics, G., Flink, S. and **Hoffman, P.L.**, Control of alcohol consumption by a long non-coding RNA. *Alcohol: Clin. Exp. Res.* (2016)
228. Vestal, B., Russel, P., **Hoffman, P.**, Tabakoff, B., Radcliffe, R., Saba L., and Kechris, K. miRNA driven transcriptional pathways associated with a predisposition to the hypnotic effects of ethanol in mice. *Alcohol: Clin. Exp. Res.* (2016)
229. Kechris, K., Saba, L., Rudra, P., Russell, P., Shi, W., Tabakoff, B., **Hoffman, P.** A microRNA eQTL study in a panel of recombinant inbred mouse strains. *Alcohol: Clin. Exp. Res.* (2016)
230. **Hoffman, P.L.**, Harrall, K.K., Saba, L.M., Tabakoff, B. The liver's genetic contribution to alcohol consumption. *Alcohol: Clin. Exp. Res.* (2017)
231. Smith, H.S., Saba, L.M., Vanderlinden, L., Pravenec, M, **Hoffman, P.L.**, Tabakoff, B. Dissecting a genetic link between glucose metabolism in brown adipose tissue and alcohol clearance. *Alcohol: Clin. Exp. Res.* (2017)
232. Saba, L.M., **Hoffman, P.L.**, Tabakoff, B. Transcriptional consequences of disrupting expression of long non-coding RNA associated with alcohol consumption in rats. *Alcohol: Clin. Exp. Res.* (2017)
233. Lusk, R., Vanderlinden, L. Pravenec, M., Saba, L.M., **Hoffman, P.L.**, Tabakoff, B. A systems genetic approach for elucidating the genetics of differential acetate exposure. *Alcohol: Clin. Exp. Res.* (2017)
234. Rudra, P., Shi, W.J., Russell, P., Tabakoff, B., Hoffman, P., Kechris, K., Saba, L. Predisposition to alcohol related phenotypes mediated by miRNA expression in a panel of recombinant inbred mouse strains. *Alcohol: Clin. Exp. Res.* (2017)

BOOKS EDITED:

1. Proceedings of the Milton M. Gross Memorial Symposium on Alcoholism. Editors: B. Tabakoff, C.L. Randall, P.L. Hoffman and M.A. Collins. Drug and Alcohol Dependence, Vol. 2, Number 5/6. Elsevier Sequoia, S.A., Lausanne, Switzerland (1977).
2. Proceedings of the Fifth Biennial International Symposium on Alcoholism. Editors: B. Tabakoff, P.L. Hoffman and R.A. Anderson, Jr. Pharmacol., Biochem. Behav., Vol. 13, Supplement 1 (1981).
3. Proceedings of the First Congress of the International Society for Biomedical Research on Alcoholism. Editors: R.G. Thurman and P.L. Hoffman. Pharmacol. Biochem. Behav., Vol. 18, Supplement 1 (1983).
4. Biological Aspects of Alcoholism. WHO Expert Series on Neuroscience, Volume 4. Editors: B. Tabakoff and P.L. Hoffman, Hogrefe and Huber Publishers, Göttingen, 1995.

OTHER PROFESSIONAL ACTIVITIES:

1. Mental Health Small Grants IRG, 1983
2. NIAAA Biomedical IRG, 1983 - 1987
3. NINDS NST IRG, 1992 - 1996
4. NIAAA Board of Scientific Counselors, 1996 - 2001; Chair: 1999 - 2001
5. NIAAA Extramural Scientific Advisory Board, 1998
6. NIAAA AA-4 Study Section, 2008 – 2012; Chair: 2010-2012
7. NIAAA ZAA1 GG(32) Fellowship Review Committee, 2016-present
8. American Heart Association Brain and Stroke Affiliate/Consortia Study Group, 2001
9. USAMRMC-PRMPP Review panel, 2003-2008
10. Scientific Advisory Board, Wake Forest University Alcohol Research Center, 1999 - 2004; Scripps Research Institute Alcohol Research Center, 1997-2002
11. Review of Research Grants for Veterans Administration; MRC Canada; The Wellcome Trust, England; Special Review Committees for NIAAA;
12. ZRG1 IFCN-C (02) M Member Conflict SEP: Alcohol, Drugs and Neurotoxicology 2014,2015; Alcohol and Motivated Behavior, 2016, 2017; NIAAA Training Grant Review Committee, 2015; ZAA1 DD (05) AA-4 member Conflict SEP, 2015.
12. Field Editor: Alcoholism: Clinical and Experimental Research, 2002 -present

13. Editorial Boards: Alcohol (1984-2001); Alcoholism: Clinical and Experimental Research (1985 - 1987, 1995 – 2004); Experimental Neurology (1990-2002); J. Pharmacology Experimental Therapeutics (1995 - 1999); The Cerebellum (2002 – present); Expert Reviews of Clinical Pharmacology (2008 -present)

INVITED PRESENTATIONS AT NATIONAL OR INTERNATIONAL CONFERENCES (1992 – present)

Research Society on Alcoholism; San Diego, California; 1992

Sixth Congress of the International Society for Biomedical Research on Alcoholism; Bristol, England; 1992

New York Academy of Sciences, The Neurohypophysis: A Window on Brain Function; Hanover, New Hampshire; 1992

American College of Neuropsychopharmacology; San Juan, Puerto Rico; 1992

Gordon Research Conference on Alcohol; Oxnard, California; 1993

86th Nobel Symposium, Toward a Molecular Basis of Alcohol Use and Abuse; Stockholm, Sweden; 1993

Winter Neuropeptide Conference, Breckenridge, Colorado; 1994

American Society for Neurochemistry; Albuquerque, New Mexico; 1994

Seventh Congress of the International Society for Biomedical Research on Alcoholism; Brisbane, Australia; 1994

Satellite Symposium, Alcohol-Related Disease: Brain and Liver; Gold Coast Hinterland, Australia; 1994

Research Society on Alcoholism; Steamboat Springs, Colorado; 1995

American Society for Neurochemistry; Santa Monica, California; 1995

Research Society on Alcoholism; Washington, DC; 1996

Autumn Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology; Dresden, Germany; 1996

Fourth Conference of the Hungarian Neuroscience Association, Plenary Speaker; Gödöllő, Hungary; 1997

NIAAA Conference, Genes and the Environment in Complex Diseases: A Focus on Alcoholism; Bethesda, Maryland; 1997

American Society for Neurochemistry; Denver, Colorado; 1998

NIDA Conference, The Glutamate Cascade: Common Pathways of Central Nervous System Disease States; Bethesda, Maryland; 1998

Ninth Congress of the International Society for Biomedical Research on Alcoholism; Copenhagen, Denmark; 1998

NIAAA Workshop on Preclinical Medications Development; Bethesda, MD; 1998

Research Society on Alcoholism; Santa Barbara, CA; 1999

Sixth International Congress on Amino Acids; Bonn, Germany; 1999

ASBMB Fall Symposium: Ethanol and Cell Signaling; Lake Tahoe, CA; 1999

Research Society on Alcoholism; Denver, CO; 2000

Tenth Congress of the International Society for Biomedical Research on Alcoholism; Yokohama, Japan; 2000
International Symposium on Recent Advances in Biomedical Research on Alcoholism; Taipei, Taiwan; 2000
Research Society on Alcoholism; Montreal, Canada; 2001
NIAAA Workshop on Potential use of Stem Cells in Alcohol-Related Conditions; Bethesda, MD; 2001
American College of Neuropsychopharmacology; Waikoloa, Hawaii; 2001
Research Society on Alcoholism/International Society for Biomedical Research on Alcoholism; San Francisco, CA; 2002
International Behavioral Neuroscience Society; Key West, FL; 2004
International Society for Biomedical Research on Alcoholism; Heidelberg/Mannheim, Germany; 2004
Research Society on Alcoholism; Santa Barbara, CA; 2005
International Society for Biomedical Research on Alcoholism; Sydney, Australia, 2006
Conference on Alcoholism and Stress; Volterra, Italy; 2008
Research Society on Alcoholism/International Society for Biomedical Research on Alcoholism; Washington, DC; 2008
International Society for Biomedical Research on Alcoholism; Paris, France, 2010
Research Society on Alcoholism; Orlando, FL 2013, Plenary Speaker
Winter Conference on Brain Research; Steamboat Springs, CO 2014
Gold Lab Symposium; Boulder CO 2016
International Society for Biomedical Research on Alcoholism; Berlin, Germany 2016

TEACHING EXPERIENCE:

University of Illinois Medical Center: Physiology to medical, graduate, nursing and pharmacy students: neuroendocrinology, endocrinology, CNS, autonomic nervous system, neurophysiology. Organizer of endocrine portion of physiology course for medical students and of physiology course for pharmacy students.

University of Colorado Health Sciences Center: Pharmacology (Endocrine; Antihypertensives; Diuretics) to medical, dental and graduate students. Director of Dental Pharmacology course; Director of Molecular Pharmacology course; Co-Director of Medical Pharmacology course; RCR Course (2013-present); Director and Discussion leader, Ethics in Research (2009; 2011-2014); Co-Director, Principles of Pharmacology (2014-2015)

Advanced graduate courses: Concepts in Alcohol Research; Physiology of the Endocrines, University of Illinois Medical Center.

Introduction to Pharmacology; Neuropharmacology; Graduate Pharmacology (Diuretics; Glutamate), University of Colorado Health Sciences Center.

TEACHING AWARD:

Department of Pharmacology, University of Colorado Health Sciences Center, 1993; Excellence in Teaching, Department of Pharmacology, University of Colorado Denver, 2015.

COMMITTEES (University of Colorado)

Medical Admissions Committee (1991 - 1992)

Institutional Animal Care and Use Committee (1994 – 1997; 2010-present); Chair (1999 - 2004)

Faculty Promotions Committee (1996 - 1999); Chair (1997 - 1999)

Graduate School Fellowship Selections Committee (1995 - 1997)

Search Committee: OLAR Director (2004)

Search Committee: Clinical Veterinarian (2006)

Postdoctoral Advisory Committee (2008 - 2015)

CCTSI Novel Methods Committee (2009- present)

RCR (Responsible Conduct of Research) Course Development (2011-present)

Misconduct/Investigation Committee (2014-2015)

Search Committee: Bioethics Faculty (2015-present)

Department of Pharmacology

Graduate Training Committee (1991 - 2005)

Promotions and Tenure Committee (1999 - present)

Faculty Search Committee (1999)

Seminar Committee (1997 - 2000)

Safety Committee (1996 - 2002)
Space Planning Committee (2007)