

BIOGRAPHICAL SKETCH

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NAME Hoffman, P.L.	POSITION TITLE Professor		
eRA COMMONS USER NAME (credential, e.g., agency login) PaulaHoffman			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Chicago, Chicago, IL	BA	1967	Biology
Yale University, New Haven, CT	MS	1969	Biochemistry
City University of New York, New York, NY	PhD	1974	Biomedical Sciences
Mt. Sinai School of Medicine			(Physiology)

A. Positions and Honors.

Research Technician, AMA-ERF Institute for Biomedical Research, Chicago, Illinois; March-September, 1967
 Research Associate, Mt. Sinai School of Medicine, New York, New York; 1974
 Assistant Professor, University of Illinois at the Medical Center, Department of Physiology and Biophysics; 1974-1980
 Visiting Scientist, Medizinisch-Chemisches Institut, University of Bern, Switzerland; 1978-1979
 Associate Professor, University of Illinois at the Medical Center, Department of Physiology and Biophysics; 1980-1984
 Chief, Section on Receptor Mechanisms, Laboratory of Physiologic and Pharmacologic Studies, National Institute on Alcohol Abuse and Alcoholism, Rockville, Maryland; 1984-1991
 Professor, Department of Pharmacology, University of Colorado Health Sciences Center, Denver, Colorado; 1991-Present
 Merit Scholar, 1963; Board of Education Scholarship (Philadelphia), 1963-1967; Lillian Gertrude Selz Award (University of Chicago), 1964; Phi Beta Kappa, 1966; NIH Traineeship (Yale), 1967-1969; NSF Predoctoral Fellowship, 1970-1972; CUNY Dissertation Year Fellowship, 1973; NIH-Swiss National Science Foundation Fellowship, 1978-1979; Roche Foundation Fellowship, 1978-1979; NIAAA Board of Scientific Counselors 1996-2000 (Chair, 1999-2000); Treasurer, International Society for Biomedical Research on Alcoholism, 1994-present.

B. Selected peer-reviewed publications (in chronological order) (from a total of more than 200).

Hoffman, P.L., Rabe, C.S., Moses, F. and Tabakoff, B. NMDA receptors and ethanol: inhibition of calcium flux and cyclic GMP production. *J. Neurochem.* 52:1937-1940 (1989).
 Hoffman, P.L., Moses, F. and Tabakoff, B. Selective inhibition by ethanol of glutamate-stimulated cyclic GMP production in primary cultures of cerebellar granule cells *Neuropharmacol.* 28:1239-1243 (1989).
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 Valverius, P., Crabbe, J.C., Hoffman, P.L. and Tabakoff, B. NMDA receptors in mice bred to be prone or resistant to ethanol withdrawal seizures. *Eur. J. Pharmacol.* 184:185-189 (1990).
 Gulya, K., Grant, K.A., Valverius, P., Hoffman, P.L. and Tabakoff, B. Brain regional specificity and time course of changes in the NMDA receptor-ionophore complex during ethanol withdrawal. *Brain Res.* 547:129-134 (1991).
 Devor, E.J., Cloninger, R., Hoffman, P.L. and Tabakoff, B. A genetic study of platelet adenylate cyclase activity: Evidence for a single major locus effect in fluoride-stimulated activity. *Am. J. Hum. Genet.* 49:372-377 (1991).
 Iorio, K.R., Reinlib, L., Tabakoff, B. and Hoffman, P.L. Chronic exposure of cerebellar granule cells to ethanol results in increased NMDA receptor function. *Mol. Pharmacol.* 41:1142-1148 (1992).
 Snell, L.D., Tabakoff, B. and Hoffman, P.L. Radioligand binding to the N-methyl-D-aspartate receptor/ionophore complex: alterations by ethanol *in vitro* and by chronic *in vivo* ethanol ingestion. *Brain Res.* 602:91-98 (1993).
 Hellevoet, K., Yoshimura, M., Kao, M., Hoffman, P.L., Cooper, D.M.F. and Tabakoff, B. A novel adenylyl cyclase sequence cloned from the human erythroleukemia cell line. *Biochem. Biophys. Res. Comm.* 192:311-318 (1993).

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- Szabó, G., Tabakoff, B. and Hoffman, P.L. The NMDA receptor antagonist, dizocilpine, differentially affects environment-dependent and environment-independent ethanol tolerance. *Psychopharmacol.* 113:511-517 (1994).
- Snell, L.D., Tabakoff, B. and Hoffman, P.L. Involvement of protein kinase C in ethanol-induced inhibition of NMDA receptor function in cerebellar granule cells. *Alcoholism: Clin. Exp. Res.* 18:81-85 (1994).
- Snell, L.D., Iorio, K.R., Tabakoff, B. and Hoffman, P.L. Protein kinase C activation attenuates N-methyl-D-aspartate induced increases in intracellular calcium in cerebellar granule cells. *J. Neurochem.* 62:1783-1789 (1994).
- Tabakoff, B., Whelan, J.P., Ovchinnikova, L., Nhamburo, P., Yoshimura, M. and Hoffman, P.L. Quantitative changes in G proteins do not mediate ethanol-induced down-regulation of adenylyl cyclase in mouse cerebral cortex. *Alcoholism: Clin. Exp. Res.* 19:187-194 (1995).
- Hellevoet, K., Yoshimura, M., Mons, N., Hoffman, P.L., Cooper, D.M.F. and Tabakoff, B. The characterization of a novel human adenylyl cyclase which is present in brain and other tissues. *J. Biol. Chem.* 270:11581-11589 (1995).
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- Tabakoff, B. and Hoffman, P.L. Alcohol addiction: an enigma among us. *Neuron* 16:909-912 (1996).
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Program Director/Principal Investigator (Last, First, Middle):

Miller, M.W., Bruns M. and Hoffman, P.L. Neuronal survival is compromised by ethanol: extracellular mediators. In: *Development of the Central Nervous System: Effects of Alcohol and Cocaine.*, M. Miller, ed., Oxford University Press, New York (2006).

Bhave, S.V., Hornbaker, C., Phang, T.L., Saba, L., Lapadat, R., Kechris, K., Gaydos, J., Mc Goldrick, D., Dolbey, A., Leach, S., Soriano, B., Ellington, A., Ellington, E., Jones, K., Mangion, J., Belknap, J.K., Williams, R.W., Hunter, L.E., Hoffman, P.L. and Tabakoff, B. The PhenoGen Informatics website: tools for analyses of complex traits. *BMC Genetics* 8:59 (2007).