

Profiles.
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CHRISTIAN H. FIBIGER
LIST OF PUBLICATIONS

REFEREED PUBLICATIONS

(a) Journals

1. Fibiger, H.C. and S. Balagura. Tube feeding: intestinal factors in gastric loading. *Psychol. Sci.* 10:373-375 (1968).
2. Campbell, B.A., Lytle, L.D. and Fibiger, H.C. Ontogeny of adrenergic arousal and cholinergic inhibitory mechanisms in the rat. *Science* 166:637-638 (1969).
3. Klonoff, H., Fibiger, H.C. and Hutton, G. Neuropsychological patterns in chronic schizophrenia. *J. Nerv. Ment. Dis.* 150:291-300 (1970).
4. Campbell, B.A. and Fibiger, H.C. The effects of insulin on spontaneous activity during food deprivation. *J. Comp. Physiol. Psychol.* 71:341-346 (1970).
5. Fibiger, H.C. and Campbell, B.A. Effect of adrenal demedullation on starvation induced behavioral arousal. *Physiol. Behav.* 71:341-346 (1970).
6. Fibiger, H.C. and Campbell, B.A. The effect of para-chlorophenylalanine on spontaneous locomotor activity in the rat. *Neuropharmacology* 10:25-32 (1971).
7. Fibiger, H.C., Lytle, L.D. and Campbell, B.A. Cholinergic modulation of adrenergic arousal in the developing rat. *J. Comp. Physiol. Psychol.* 72:384-389 (1970).
8. Fibiger, H.C., Lynch, G.S. and Cooper, H.P. A biphasic action of central cholinergic stimulation on behavioral arousal in the rat. *Psychopharmacologia* 20:366-382 (1971).
9. Fibiger, H.C., Fox, M., McGeer, E.G. and McGeer, P.L. The effect of amantadine on spontaneous locomotor activity in the rat. *J. Pharm. Pharmacol.* 23:724-725 (1971).
10. McGeer, E.G., Fibiger, H.C. and Wickson, V. Differential development of caudate enzymes in the neonatal rat. *Brain Res.* 32:433-440 (1971).
11. Campbell, B.A. and Fibiger, H.C. Potentiation of amphetamine-induced arousal by starvation. *Nature* 233:424-425 (1971).
12. Fibiger, H.C., Lonsbury, B., Cooper, H.P. and Lytle, L.D. Early behavioural effects of intraventricular administration of 6-hydroxydopamine in the rat. *Nature* 236:209-211 (1972).
13. Fibiger, H.C., Mertz, P. and Campbell, B.A. The effect of para-chlorophenylalanine on aversion thresholds and reactivity to shock. *Physiol. Behav.* 8:259-263 (1972).

14. Fibiger, H.C., Trimbach, C. and Campbell, B.A. Enhanced stimulant properties of d-amphetamine after chronic reserpine treatment in the rat: Mediation by hypophagia and weight loss. *Neuropharmacology* 11:57-67 (1972).
15. Fibiger, H.C. and McGeer, E.G. Effect of acute and chronic methamphetamine treatment on tyrosine hydroxylase activity in brain and adrenal medulla. *Eur. J. Pharmacol.* 16:176-180 (1971).
16. McGeer, E.G., Fibiger, H.C., McGeer, P.L. and Wickson, V. Aging and brain enzymes. *Exp. Gerontol.* 6:391-396 (1971).
17. McGeer, P.L., McGeer, E.G., Fibiger, H.C. and Wickson, V. Neostriatal choline acetylase and cholinesterase following selective brain lesions. *Brain Res.* 35:308-314 (1971).
18. Fibiger, H.C., Pudritz, R.E., McGeer, P.L. and McGeer, E.G. Axonal transport in nigral neurons. *Nature* 237:177-179 (1972).
19. Fibiger, H.C., Pudritz, R.E. McGeer, P.L. and McGeer, E.G. Axonal transport in nigro-striatal and nigro-thalamic neurons: Effects of medial forebrain bundle lesions and 6-hydroxydopamine. *J. Neurochem.* 19:1697-1708 (1972).
20. McGeer, E.G., Fibiger, H.C. and McGeer, P.L. Brain enzymes in amantadine-treated rats. *Biochemical Med.* 6:189-191 (1972).
21. McGeer, E.G., Fibiger, H.C., McGeer, P.L. and Brooke, S. Temporal changes in amine synthesizing enzymes of rat extra-pyramidal structures after hemitransections or 6-hydroxydopamine administration. *Brain Res.* 52:289-300 (1973).
22. Fibiger, H.C., Fibiger, H.P. and Zis, A. Attenuation of amphetamine induced motor stimulation and stereotypy by 6-hydroxydopamine in the rat. *Br. J. Pharmacol.* 47:683-692 (1973).
23. Fibiger, H.C., Zis, A.P. and McGeer, E.G. Feeding and drinking deficits after 6-hydroxydopamine administration in the rat: Similarities to the lateral hypothalamic syndrome. *Brain Res.* 55:135-148 (1973).
24. Phillips, A.G. and Fibiger, H.C. Dopaminergic and noradrenergic substrates of positive reinforcement: Differential effects of d- and l-amphetamine. *Science* 179:575-577 (1973).
25. Hattori, T., Fibiger, H.C., McGeer, P.L. and McGeer, E.G. On the source of GABA containing terminals in the substantia nigra: Electron microscopic autoradiographic and biochemical studies. *Brain Res.* 54:103-114 (1973).
26. Fibiger, H.C., McGeer, E.G. and Atmadja, S. Axoplasmic transport of dopamine in nigro-striatal neurons. *J. Neurochem.* 21:373-385 (1973).

27. Corcoran, M.E., Fibiger, H.C., McGeer, E.G. and Wada, J.A. Potentiation of leptazol seizures by 6-hydroxydopamine. *J. Pharm. Pharmacol.* 25:497-499 (1973).
28. Phillips, A.G. and Fibiger, H.C. Substantia nigra: Self-stimulation and post-stimulation feeding. *Physiological Psychol.* 1:233-236 (1973).
29. Maler, L., Fibiger, H.C. and McGeer, P.L. Demonstration of the nigro-striatal projection by silver staining after nigral injections of 6-hydroxydopamine. *Exp. Neurol.* 40:505-515 (1973).
30. McGeer, P.L., McGeer, E.G. and Fibiger, H.C. Choline acetylase and glutamic acid decarboxylase in Huntington's chorea: A preliminary study. *Neurology* 23:912-917 (1973).
31. McGeer, P.L., McGeer, E.G. and Fibiger, H.C. Glutamic acid decarboxylase and choline acetylase in Huntington's chorea and Parkinson's disease. *Lancet*, Sept. 15, p. 623 (1973).
32. Fibiger, H.C. and McGeer, E.G. Increased axoplasmic transport of 3H-dopamine in nigro-neostriatal neurons after reserpine. *Life Sci.* 13:1565-1571 (1973).
33. Hattori, T., Fibiger, H.C., McGeer, P.L. and Maler, L. Analysis of the fine structure of the dopaminergic nigro-striatal projection by electron microscopic autoradiography. *Exp. Neurol.* 41:599-611 (1973).
34. Fibiger, H.C., Phillips, A.G. and Clouston, R.A. Regulatory deficits after unilateral electrolytic or 6-OHDA lesions of the substantia nigra. *Am. J. Physiol.* 225:1282-1287 (1973).
35. Phillips, A.G. and Fibiger, H.C. Deficits in stimulation-induced feeding after intraventricular administration of 6-hydroxydopamine in rats. *Behav. Biol.* 9:749-754 (1973).
36. Singh, V.K., Fibiger, H.C., McGeer, E.G. and McGeer, P.L. Analysis of proteins undergoing axonal transport in nigrostriatal neurons in the rat. *J. Neurochem.* 22:119-124 (1974).
37. Fibiger, H.C. and McGeer, E.G. Accumulation and axoplasmic transport of dopamine but not of amino acids by axons of the nigro-neostriatal projection. *Brain Res.* 72:366-369 (1974).
38. Fibiger, H.C., Phillips, A.G. and Zis, A.P. Deficits in instrumental responding after 6-hydroxydopamine lesions of the nigro-neostriatal dopaminergic projection. *Pharmacol. Biochem. Behav.* 2:87-96 (1974).
39. Singh, V.K., Fibiger, H.C. and McGeer, P.L. Effects of 6-hydroxydopamine on the nature of proteins undergoing axoplasmic transport in nigro-neostriatal neurons. *J. Neurochem.* 23:601-604 (1974).

40. Grewaal, D.S., Fibiger, H.C. and McGeer, E.G. 6-Hydroxydopamine and striatal acetylcholine levels. *Brain Res.* 73:372-375 (1974).
41. Zis, A.P., Fibiger, H.C. and Phillips, A.G. Reversal by L-DOPA of impaired learning due to destruction of the dopaminergic nigro-neostriatal projection. *Science* 185:960-962 (1974).
42. Fibiger, H.C. and Grewaal, D.S. Neurochemical evidence for denervation supersensitivity: The effect of unilateral substantia nigra lesions on apomorphine-induced increases in neostriatal acetylcholine levels. *Life Sci.* 15:57-63 (1974).
43. Corcoran, M.E., Fibiger, H.C., McCaughran, J.A. and Wada, J.A. Potentiation of amygdaloid kindling and metrazol-induced seizures by 6-hydroxydopamine in rats. *Exp. Neurol.* 45:118-133 (1974).
44. McGeer, E.G., Searl, K. and Fibiger, H.C. Chemical specificity of dopamine transport in the nigro-neostriatal projection. *J. Neurochem.* 24:283-288 (1975).
45. Price, M.T.C. and Fibiger, H.C. Apomorphine and amphetamine stereotypy after 6-hydroxydopamine lesions of the substantia nigra. *Eur. J. Pharmacol.* 29:249-252 (1974).
46. Fibiger, H.C., Zis, A.P. and Phillips, A.G. Haloperidol-induced disruption of conditioned avoidance responding: Attenuation by prior training or by anticholinergic drugs. *Eur. J. Pharmacol.* 30:309-314 (1975).
47. Price, M.T.C. and Fibiger, H.C. Discriminated escape learning and response to electric shock after 6-hydroxydopamine lesions of the nigro-neostriatal dopaminergic projection. *Pharmacol. Biochem. Behav.* 3:285-290 (1975).
48. Phillips, A.G., Brooke, S.M. and Fibiger, H.C. Effects of amphetamine isomers and neuroleptics on self-stimulation from the nucleus accumbens and dorsal noradrenergic bundle. *Brain Res.* 85:13-22 (1975).
49. Brooke, S.M. and Fibiger, H.C. Differential rates of increase in pontine tyrosine hydroxylase and dopamine b-hydroxylase activities after reserpine. *Brain Res.* 85:532-534 (1975).
50. Hattori, T. Fibiger, H.C. and McGeer, P.L. Demonstration of a pallido-nigral projection innervating dopaminergic neurons. *J. comp. Neurol.* 162:487-504 (1975).
51. Fibiger, H.C. and Phillips, A.G. The role of dopamine and norepinephrine in the chemistry of reward. *J. Psychiat. Res.* 11:135-144 (1974).
52. Roberts, D.C.S., Zis, A.P. and Fibiger, H.C. Ascending catecholamine pathways and amphetamine-induced locomotor activity: Importance of dopamine and apparent non-involvement of norepinephrine. *Brain Res.* 93:441-454 (1975).

53. Zis, A.P. and Fibiger, H.C. Neuroleptic induced deficits in food and water regulation: Similarities to the lateral hypothalamic syndrome. *Psychopharmacologia* 43:63-68 (1975).
54. Roberts, D.C.S., Price, M.T.C. and Fibiger, H.C. The dorsal tegmental noradrenergic projection: An analysis of its role in learning. *J. Comp. Physiol. Psychol.* 90:363-372 (1976).
55. Zis, A.P. and Fibiger, H.C. Functional evidence for postsynaptic supersensitivity of central noradrenergic receptors after denervation. *Nature* 256:659-660 (1975).
56. Miller, J.J., Richardson, T.L., Fibiger, H.C. and McLennan, H. Anatomical and electrophysiological identification of a projection from the mesencephalic raphe to the caudate-putamen in the rat. *Brain Res.* 97:133-138 (1975).
57. Phillips, A.G., Carter, D.A. and Fibiger, H.C. Dopaminergic substrates of intracranial self-stimulation in the caudate-putamen. *Brain Res.* 104:221-232 (1976).
58. Price, M.T.C. and Fibiger, H.C. Ascending catecholamine systems and morphine analgesia. *Brain Res.* 99:189-193 (1975).
59. Phillips, A.G. and Fibiger, H.C. Long-term deficits in stimulation-induced behaviors and self-stimulation after 6-hydroxydopamine administration in rats. *Behav. Biol.* 16:127-143 (1976).
60. Fibiger, H.C. Carter, D.A. and Phillips, A.G. Decreased intracranial self-stimulation after neuroleptics or 6-hydroxydopamine: Evidence for mediation by motor deficits rather than by reduced reward. *Psychopharmacology* 47:21-27 (1976).
61. Roberts, D.C.S. and Fibiger, H.C. Attenuation of amphetamine-induced conditioned taste aversion following intraventricular 6-hydroxydopamine. *Neurosci. Lett.* 1:343-347 (1975).
62. Clavier, R.M., Fibiger, H.C. and Phillips, A.G. Evidence that self-stimulation of the region of the locus coeruleus in rats does not depend upon noradrenergic projections to telencephalon. *Brain Res.* 113:71-81 (1976).
63. Fibiger, H.C. and Phillips, A.G. Retrograde amnesia after electrical stimulation of the substantia nigra: Mediation by the dopaminergic nigro-neostriatal bundle. *Brain Res.* 116:23-33 (1976).
64. Rose, A.M., Hattori, T. and Fibiger, H.C. Analysis of the septo-hippocampal pathway by light and electron microscopic autoradiography. *Brain Res.* 108:170-174 (1976).
65. Price, M.T.C. and Fibiger, H.C. Abolition of nomifensine-induced stereotypy after 6-hydroxydopamine lesions of ascending dopaminergic projections. *Pharmacol. Biochem. Behav.* 5:107-109 (1976).

66. Brooke, S.M. and Fibiger, H.C. Reserpine-induced changes in dopamine-b-hydroxylase in the terminal projections of the nucleus locus coeruleus. *Neurosci. Lett.* 2:279-283 (1976).
67. Roberts, D.C.S. and Fibiger, H.C. Conditioned taste aversion induced by diethylthiocarbamate (DDC). *Neurosci. Lett.* 2:339-342 (1976).
68. Phillips, A.G., Carter, D.A. and Fibiger, H.C. Differential effects of para-chlorophenylalanine on self-stimulation in caudate-putamen and lateral hypothalamus. *Psychopharmacology* 49:23-29 (1976).
69. Clavier, R.M., Atmadja, S. and Fibiger, H.C. Nigrothalamic projections in the rat as demonstrated by orthograde and retrograde tracing techniques. *Brain Res. Bull.* 1:379-384 (1976).
70. Price, M.T.C., Murray, G.N. and Fibiger, H.C. Schedule dependent changes in operant responding after lesions of the dorsal tegmental noradrenergic projection. *Pharmacol. Biochem. Behav.* 6:11-15 (1977).
71. Phillips, A.G., van der Kooy, D. and Fibiger, H.C. Maintenance of intracranial self-stimulation in hippocampus and olfactory bulb following regional depletion of noradrenaline. *Neurosci. Lett.* 4:77-84 (1977).
72. Clavier, R.M. and Fibiger, H.C. On the role of ascending catecholaminergic projections in self-stimulation of the substantia nigra. *Brain Res.* 131:271-286 (1977).
73. van der Kooy, D., Fibiger, H.C. and Phillips, A.G. Monoamine involvement in hippocampal self-stimulation. *Brain Res.* 136:119-130 (1977).
74. Roberts, D.C.S., Corcoran, M.E. and Fibiger, H.C. On the role of ascending catecholaminergic systems in intravenous self-administration of cocaine. *Pharmacol. Biochem. Behav.* 6:615-620 (1977).
75. Carter, D.A. and Fibiger, H.C. Ascending projections of presumed dopamine containing neurons in the ventral tegmentum of the rat as demonstrated by horseradish peroxidase. *Neuroscience* 2:569-576 (1977).
76. Carter, D.A. and Fibiger, H.C. The projections of the entopeduncular nucleus and globus pallidus in rat as demonstrated by autoradiography and horseradish peroxidase histochemistry. *J. Comp. Neurol.* 177:113-124 (1978).
77. Roberts, D.C.S. and Fibiger, H.C. Evidence for interactions between central noradrenergic neurons and adrenal hormones in learning and memory. *Pharmacol. Biochem. Behav.* 7:191-194 (1977).

78. Fibiger, H.C. and Miller, J.J. An anatomical and electro-physiological investigation of the serotonergic projection from the dorsal raphe nucleus to the substantia nigra in the rat. *Neuroscience* 2:975-987 (1977).
79. Fibiger, H.C. Drugs and reinforcement: A critical review of the catecholamine theory. *Annu. Rev. Pharmacol. Toxicol.* 18:37-56 (1978).
80. Roberts, D.C.S. and Fibiger, H.C. Lesions of the dorsal noradrenergic projection attenuate morphine- but not amphetamine-induced conditioned taste aversion. *Psychopharmacology* 55:183-186 (1977).
81. Vincent, S.R., Nagy, J.I. and Fibiger, H.C. Increased striatal glutamate decarboxylase after lesions of the nigrostriatal pathway. *Brain Res.* 143:168-173 (1978).
82. Lehmann, J. and Fibiger, H.C. Acetylcholinesterase in the substantia nigra and caudate-putamen of the rat: Properties and localization in dopaminergic neurons. *J. Neurochem.* 30:615-624 (1978).
83. Mason, S.T. and Fibiger, H.C. Altered exploratory behaviour after 6-OHDA lesion to the dorsal noradrenergic bundle. *Nature* 269:704-705 (1977).
84. Nagy, J.I., Vincent, S.R., Lehmann, J., Fibiger, H.C. and McGeer, E.G. The use of kainic acid in the localization of enzymes in the substantia nigra. *Brain Res.* 149:431-441 (1978).
85. Nagy, J.I., Carter, D.A., Lehmann, J. and Fibiger, H.C. Evidence for a GABA-containing projection from the entopeduncular nucleus to the lateral habenula in the rat. *Brain Res.* 145:360-364 (1978).
86. van der Kooy, D., Fibiger, H.C. and Phillips, A.G. An analysis of dorsal and median raphe self-stimulation: Effects of para-chloro-phenylalanine. *Pharmacol. Biochem. Behav.* 8:441-445 (1978).
87. Mason, S.T., Sanberg, P.R. and Fibiger, H.C. Amphetamine-induced locomotor activity and stereotypy after kainic acid lesions of the striatum. *Life Sci.* 22:451-460 (1978).
88. Mason, S.T. and Fibiger, H.C. Kainic acid lesions of the striatum: Behavioural sequelae similar to Huntington's chorea. *Brain Res.* 155:313-329 (1978).
89. Sandberg, P.R., Lehmann, J. and Fibiger, H.C. Impaired learning and memory after kainic acid lesions of the striatum: A behavioral model of Huntington's disease. *Brain Res.* 149:546-551 (1978).
90. Nagy, J.I., Vincent, S.R. and Fibiger, H.C. Altered neurotransmitter synthetic enzyme activity in some extrapyramidal nuclei after lesions of the nigro-striatal dopamine projection. *Life Sci.* 22:1777-1782 (1978).

91. Mason, S.T., Roberts, D.C.S. and Fibiger, H.C. Noradrenaline and neophobia. *Physiol. Behav.* 21:353-361 (1978).
92. Mason, S.T. and Fibiger, H.C. 6-OHDA lesion of the dorsal noradrenergic bundle alters extinction of passive avoidance. *Brain Res.* 152:209-215 (1978).
93. Mason, S.T. and Fibiger, H.C. Noradrenaline and partial reinforcement. *J. Comp. Physiol. Psychol.* 92:1110-1118 (1978).
94. Mason, S.T., Sanberg, P.R. and Fibiger, H.C. Kainic acid lesions of the striatum dissociate amphetamine and apomorphine stereotypy: Similarities to Huntington's disease. *Science* 201:352-355 (1978).
95. Nagy, J.I., Carter, D.A. and Fibiger, H.C. Anterior striatal projections to the globus pallidus, entopeduncular nucleus and substantia nigra in the rat: The GABA connection. *Brain Res.* 158:15-29 (1978).
96. Roberts, D.C.S., Mason, S.T. and Fibiger, H.C. 6-OHDA lesion to the dorsal noradrenergic bundle alters morphine-induced locomotor activity and catalepsy. *Eur. J. Pharmacol.* 52:209-214 (1978).
97. Mason, S.T., Roberts, D.C.S. and Fibiger, H.C. Noradrenergic influences on catalepsy. *Psychopharmacology* 60:53-57 (1978).
98. Phillips, A.G. and Fibiger, H.C. The role of dopamine in maintaining intracranial self-stimulation in the ventral tegmentum, nucleus accumbens, and prefrontal cortex. *Can. J. Psychol.* 32:58-66 (1978).
99. Mason, S.T. and Fibiger, H.C. Noradrenaline and avoidance learning in the rat. *Brain Res.* 161:321-333 (1979).
100. Pappas, B.A., Saari, M., Peters, D.A.V., Roberts, D.C.S. and Fibiger, H.C. Neonatal systemic 6-hydroxydopamine and dorsal tegmental bundle lesion: comparison of effects on CNS norepinephrine and the post-decapitation reflex. *Brain Res.* 155:205-208 (1978).
101. Nagy, J.I., Lee, T., Seeman, P. and Fibiger, H.C. Direct evidence for presynaptic and postsynaptic dopamine receptors in brain. *Nature* 274:279-281 (1978).
102. Mason, S.T. and Fibiger, H.C. 6-hydroxydopamine and anticholinergic drugs. *Science* 202:1215-1216 (1978).
103. Fibiger, H.C., LePaine, F.G. and Phillips, A.G. Disruption of memory produced by stimulation of the dorsal raphe nucleus: mediation by serotonin. *Brain Res.* 155:380-386 (1978).

104. Sanberg, P.R., Lehmann, J. and Fibiger, H.C. The sedative effects of apomorphine and an animal model of Huntington's disease. *Arch. Neurol.* 36:349-350 (1979).
105. Fibiger, H.C. and Mason, S.T. The effects of dorsal bundle injections of 6-OHDA on avoidance responding in rats. *Br. J. Pharmacol.* 64:601-606 (1978).
106. Mason, S.T. and Fibiger, H.C. Noradrenaline and spatial memory. *Brain Res.* 156:382-386 (1978).
107. Lehmann, J., Fibiger, H.C. and Butcher, L.L. The localization of acetylcholinesterase in the corpus striatum and substantia nigra of the rat following kainic acid lesion of the corpus striatum: A biochemical and histochemical study. *Neuroscience* 4:217-225 (1979).
108. Mason, S.T. and Fibiger, H.C. The dorsal bundle extinction effect: Dependence on subtle changes in acquisition. *Brain Res.* 166:341-348 (1979).
109. Mason, S.T. and Fibiger, H.C. Noradrenaline-acetylcholine interaction in brain: Behavioral function in locomotor activity. *Neuroscience* 4:517-525 (1979).
110. Mason, S.T. and Fibiger, H.C. Evidence for a role of brain noradrenaline in attention and stimulus sampling. *Brain Res.* 159:421-426 (1978).
111. Mason, S.T., Roberts, D.C.S. and Fibiger, H.C. Interaction with brain noradrenaline and the pituitary-adrenal axis in learning and extinction. *Pharmacol. Biochem. Behav.* 10:11-16 (1979).
112. Mason, S.T. and Fibiger, H.C. Kainic acid lesions of the striatum in rats mimic the spontaneous motor abnormalities of Huntington's disease. *Neuropharmacology* 18:403-407 (1979).
113. Roberts, D.C.S., and Mason, S.T. and Fibiger, H.C. Selective depletion of spinal noradrenaline abolishes post-decapitation convulsions. *Life Sci.* 23:2411-2414 (1978).
114. Mason, S.T. and Fibiger, H.C. Noradrenaline-acetylcholine interaction in brain: Possible behavioral function. *Nature* 277:396-397 (1979).
115. Sanberg, P., Pisa, M. and Fibiger, H.C. Avoidance, operant and locomotor activity in rats with neostriatal injections of kainic acid. *Pharmacol. Biochem. Behav.* 10:137-144 (1979).
116. Mason, S.T. and Fibiger, H.C. Noradrenaline and extinction of conditioned taste aversion in the rat. *Behav. Neural. Biol.* 25:206-216 (1979).
117. Sanberg, P.R. and Fibiger, H.C. Impaired acquisition and retention of a passive avoidance response after chronic ingestion of taurine. *Psychopharmacology* 62:97-99 (1979).

118. Mason, S.T. and Fibiger, H.C. Neurochemical basis of the dorsal bundle extinction effect. *Pharmacol. Biochem. Behav.* 10:373-380 (1979).
119. Reisine, T.D., Nagy, J.I., Fibiger, H.C. and Yamamura, H.I. Localization of dopamine receptors in rat brain. *Brain Res.* 169:209-214 (1979).
120. Reisine, T.D., Nagy, J.I., Beaumont, K., Fibiger, H.C. and Yamamura, H.I. The localization of receptor binding sites in the substantia nigra and striatum of the rat. *Brain Res.* 177:241-252 (1979).
121. Mason, S.T., Corcoran, M.E. and Fibiger, H.C. Noradrenergic processes involved in the locomotor effects of ethanol. *Eur. J. Pharmacol.* 54:383-387 (1979).
122. Mason, S.T. and Fibiger, H.C. On the specificity of kainic acid. *Science* 204:1339-1341 (1979).
123. Mason, S.T., Corcoran, M.E. and Fibiger, H.C. Noradrenaline and ethanol intake in the rat. *Neurosci. Lett.* 12:137-142 (1979).
124. Mason, S.T. and Fibiger, H.C. Physiological function of descending noradrenaline projections to the spinal cord: Role in post-decapitation convulsions. *Eur. J. Pharmacol.* 57:29-34 (1979).
125. Phillips, A.G. and Fibiger, H.C. Decreased resistance to extinction after haloperidol: Implications for the role of dopamine in reinforcement. *Pharmacol. Biochem. Behav.* 10:751-760 (1979).
126. Mason, S.T. and Fibiger, H.C. Noradrenaline, fear and extinction. *Brain Res.* 165:47-56 (1979).
127. Albert, D.J., Wong, R.C.K., Brayley, K.N. and Fibiger, H.C. An evaluation of adrenergic, cholinergic, and dopaminergic involvement in the inhibition of hyperreactivity and interanimal aggression by the medial hypothalamus. *Pharmacol. Biochem. Behav.* 11:1-10 (1979).
128. Mason, S.T. and Fibiger, H.C. Regional topography within noradrenergic locus coeruleus as revealed by retrograde transport of horseradish peroxidase. *J. Comp. Neurol.* 187:703-724 (1979).
129. Roberts, D.C.S., McCaughan, J.A. and Fibiger, H.C. Behavioral effects of 6-hydroxydopamine induced depletion of spinal noradrenaline. *Can. J. Physiol. Pharmacol.* 57:1223-1228 (1979).
130. Pisa, M., Sandberg, P.R. and Fibiger, H.C. Locomotor activity, exploration and spatial alternation learning in rats with striatal injections of kainic acid. *Physiol. Behav.* 24:11-19 (1980).

131. Nagy, J.I., Vincent, S.R., Staines, W.A. and Fibiger, H.C. Neurotoxic action of capsaicin on spinal substance P neurons. *Brain Res.* 186:435-444 (1980).
132. U'Prichard, D.C., Reisine, T.D., Mason, S.T., Fibiger, H.C. and Yamamura, H.I. Modulation of brain α - and β -adrenergic receptor populations by lesion of the dorsal noradrenergic bundle. *Brain Res.* 187:143-154 (1980).
133. Mason, S.T. and Fibiger, H.C. The dorsal noradrenergic bundle and varieties of passive avoidance. *Psychopharmacology* 66:179-182 (1979).
134. Lehmann, J. and Fibiger, H.C. Acetylcholinesterase and the cholinergic neuron. *Life Sci.* 25:1939-1947 (1979).
135. Mason, S.T. and Fibiger, H.C. Noradrenaline and selective attention. *Life Sci.* 25:1949-1956 (1979).
136. Beninger, R.J., Mason, S.T., Phillips, A.G. and Fibiger, H.C. The use of extinction to investigate the nature of neuroleptic-induced avoidance deficits. *Psychopharmacology* 69:11-18 (1980).
137. Nagy, J.I. and Fibiger, H.C. A striatal source of glutamic acid decarboxylase activity in the substantia nigra. *Brain Res.* 187:237-242 (1980).
138. Fibiger, H.C., Nagy, J.I., Staines, W.A. and Vincent, S.R. Organization and plasticity of GABAergic neurons in some extra-pyramidal nuclei of the rat. *Brain Res. Bull.* 5:131-135 (1980).
139. Beninger, R.J., Mason, S.T., Phillips, A.G. and Fibiger, H.C. The use of conditioned suppression to evaluate the nature of neuroleptic-induced avoidance deficits. *J. Pharmacol. Exp. Ther.* 213:623-627 (1980).
140. Mason, S.T. and Fibiger, H.C. Anxiety: the locus coeruleus disconnection. *Life Sci.* 25:2141-2147 (1979).
141. Roberts, D.C.S., Koob, G.F., Klonoff, P. and Fibiger, H.C. Extinction and recovery of cocaine self-administration following 6-hydroxydopamine lesions of the nucleus accumbens. *Pharmacol. Biochem. Behav.* 12:781-787 (1980).
142. Staines, W.A., Nagy, J.I., Vincent, S.R. and Fibiger, H.C. Neurotransmitters contained in the efferents of the striatum. *Brain Res.* 194:391-402 (1980).
143. Lehmann, J., Nagy, J.I., Atmadja, S. and Fibiger, H.C. The nucleus basalis magnocellularis: The origin of a cholinergic projection to the neocortex of the rat. *Neuroscience* 5:1161-1174 (1980).

144. Vincent, S.R., Staines, W.A., McGeer, E.G. and Fibiger, H.C. Transmitters contained in efferents of the habenula. *Brain Res.* 195:479-484 (1980).
145. Mason, S.T., Beninger, R.J., Fibiger, H.C. and Phillips, A.G. Pimozide-induced suppression of responding: Evidence against a block of food reward. *Pharmacol. Biochem. Behav.* 12:917-923 (1980).
146. Sanberg, P.R., Pisa, M., Faulks, I.J. and Fibiger, H.C. Experiential influences on catalepsy. *Psychopharmacology* 69:225-226 (1980).
147. Staines, W.A., Kimura, H., Fibiger, H.C. and McGeer, E.G. Peroxidase-labelled lectin as a neuroanatomical tracer: Evaluation in a CNS pathway. *Brain Res.* 197:485-490 (1980).
148. Fibiger, H.C. Organization of GABA-containing neurons in some extra-pyramidal nuclei. *Can. J. Neurol. Sci.* 7:251-252 (1980).
149. Pisa, M., Sanberg, P.R., Corcoran, M.E. and Fibiger, H.C. Spontaneously recurrent seizures after intracerebral injections of kainic acid in the rat: A possible model of human temporal lobe epilepsy. *Brain Res.* 200:481-487 (1980).
150. Spyraiki, C. and Fibiger, H.C. Functional evidence for subsensitivity of noradrenergic α_2 receptors after chronic desipramine treatment. *Life Sci.* 27:1863-1867 (1980).
151. Staines, W.A., Atmadja, S. and Fibiger, H.C. Demonstration of a pallidostriatal pathway by retrograde transport of HRP-labelled lectin. *Brain Res.* 206:446-450 (1981).
152. Pisa, M., Sanberg, P.R. and Fibiger, H.C. Striatal injections of kainic acid selectively impair serial memory performance in the rat. *Exp. Neurol.* 74:633-653 (1981).
153. Spyraiki, C. and Fibiger, H.C. Intravenous self-administration of nomifensine in rats: Implications for abuse potential in humans. *Science* 212:1167-1168 (1981).
154. Sanberg, P.R., Fibiger, H.C. and Mark, R.F. Body weight and dietary factors in Huntington's disease patients compared with matched controls. *Med. J. Aust.* 1:407-409 (1981).
155. Sanberg, P.R., Pisa, M. and Fibiger, H.C. Kainic acid injections in the striatum alter the cataleptic and locomotor effects of drugs influencing dopaminergic and cholinergic systems. *Eur. J. Pharmacol.* 74:347-357 (1981).
156. Treit, D., Pinel, J.P.J. and Fibiger, H.C. Conditioned defensive burying: A new paradigm for the study of anxiolytic agents. *Pharmacol. Biochem. Behav.* 15:619-626 (1981).
157. Spyraiki, C. and Fibiger, H.C. Behavioral evidence for supersensitivity of postsynaptic dopamine receptors in the mesolimbic system after chronic administration of desipramine. *Eur. J. Pharmacol.* 74:195-206 (1981).

158. Fibiger, H.C. and Phillips, A.G. Increased intracranial self-stimulation after chronic desipramine administration: Evidence for a dopamine hypothesis of affective illness. *Science* 214:683-685 (1981).
159. Spyraiki, C., Arbuthnott, G.W. and Fibiger, H.C. The effect of DSP-4 on some positively reinforced operant behaviors in the rat. *Pharmacol. Biochem. Behav.* 16:197-202 (1982).

160. Phillips, A.G., LePiane, F.G. and Fibiger, H.C. Effects of kainic acid and lesions of the striatum on self-stimulation in the substantia nigra and ventral tegmental area. *Behav. Brain Res.* 5:297-310 (1982).
161. Fibiger, H.C. The organization and some projections of cholinergic neurons of the mammalian forebrain. *Brain Res. Rev.* 4:327-388 (1982).
162. Hattori, T. and Fibiger, H.C. On the use of lesions of afferents to localize neurotransmitter receptor sites in the striatum. *Brain Res.* 238:245-250 (1982).
163. Gerfen, C.R., Staines, W.A., Arbuthnott, G.W. and Fibiger, H.C. Crossed connections of the substantia nigra in the rat. *J. Comp. Neurol.* 207:283-303 (1982).
164. Spyraiki, C., Fibiger, H.C. and Phillips, A.G. Attenuation by haloperidol of place preference conditioning using food reinforcement. *Psychopharmacology* 77:379-382 (1982).
165. Asin, K.E., Wirtshafter, D. and Fibiger, H.C. Alterations in drug induced catalepsy and post-decapitation convulsions following brain and spinal cord depletion of norepinephrine by the neurotoxin DSP-4. *Life Sci.* 30:1531-1536 (1982).
166. Spyraiki, C. and Fibiger, H.C. Clonidine-induced sedation in rats: Evidence for mediation by postsynaptic α -2-adrenoreceptors. *J. Neural Trans.* 54:153-163 (1982).
167. Spyraiki, C., Fibiger, H.C. and Phillips, A.G. Dopaminergic substrates of amphetamine-induced place preference conditioning. *Brain Res.* 253:185-193 (1982).
168. Spyraiki, C., Fibiger, H.C. and Phillips, A.G. Cocaine-induced place preference conditioning: Lack of effects of neuroleptics and 6-hydroxydopamine lesions. *Brain Res.* 253:195-203 (1982).
169. Martin-Iverson, M.T., Pisa, M., Chan, E. and Fibiger, H.C. Enhanced neophobia but normal plasma corticosterone levels in rats with dorsal noradrenergic bundle lesions. *Pharmacol. Biochem. Behav.* 17:639-643 (1982).
170. Spyraiki, C., Fibiger, H.C. and Phillips, A.G. Attenuation of heroin reward by disruption of the mesolimbic dopamine system. *Psychopharmacology* 79:278-283 (1983).
171. Treit, D., Pinel, J.P.J. and Fibiger, H.C. The inhibitory effect of diazepam on conditioned defensive burying is reversed by picrotoxin. *Pharmacol. Biochem. Behav.* 17:359-361 (1982).
172. Corcoran, M.E., Lewis, J. and Fibiger, H.C. Forebrain noradrenaline and oral self-administration of ethanol by rats. *Behav. Brain Res.* 8:1-21 (1983).
173. Pittman, K.J. and Fibiger, H.C. The effects of estrogen on apomorphine-induced hypothermia and stereotypies. *Neuropharmacology* 22:587-592 (1983).

174. Pisa, M. and Fibiger, H.C. Evidence against a role of the rat's dorsal noradrenergic bundle in selective attention and place memory. *Brain Res.* 272:319-329 (1983).
175. Asin, K.E. and Fibiger, H.C. An analysis of neuronal elements within the median nucleus of the raphe that mediate lesion-induced increases in locomotor activity. *Brain Res.* 268:211-223 (1983).
176. Dewey, K.J. and Fibiger, H.C. The effects of dose and duration of chronic pimozide administration on dopamine receptor supersensitivity. *Naunyn-Schmiedeberg's Arch. Pharmacol.* 322:261-270 (1983).
177. Perry, T.L., Javoy-Agid, F., Agid, Y. and Fibiger, H.C. Striatal GABAergic neuronal activity is not reduced in Parkinson's disease. *J. Neurochem.* 40:1120-1123 (1983).
178. Vincent, S.R., Staines, W.A. and Fibiger, H.C. Histochemical demonstration of separate populations of somatostatin and cholinergic neurons in the rat striatum. *Neurosci. Lett.* 35:111-114 (1983).
179. Beninger, R.J., Phillips, A.G. and Fibiger, H.C. Prior training and intermittent retraining attenuate pimozide-induced avoidance deficits. *Pharmacol. Biochem. Behav.* 18:619-624 (1983).
180. Pisa, M. and Fibiger, H.C. Intact selective attention in rats with lesions of the dorsal noradrenergic bundle. *Behav. Neurosci.* 97:519-529 (1983).
181. Satoh, K., Staines, W.A., Atmadja, S. and Fibiger, H.C. Ultrastructural observations of the cholinergic neuron in the rat striatum as identified by acetylcholinesterase pharmacohistochemistry. *Neuroscience* 10:1121-1136 (1983).
182. Martin-Iverson, M.T., Leclere, J.-F. and Fibiger, H.C. Cholinergic-dopaminergic interactions and the mechanisms of action of antidepressants. *Eur. J. Pharmacol.* 94:193-201 (1983).
183. Asin, K.E., Satoh, K. and Fibiger, H.C. Regional cerebellar choline acetyltransferase activity following peduncular lesions. *Exp. Brain Res.* 53:370-373 (1984).
184. Pittman, K.J., Jakubovic, A. and Fibiger, H.C. The effects of chronic lithium on behavioral and biochemical indices of dopamine receptor supersensitivity in the rat. *Psychopharmacology* 82:371-377 (1984).
185. Phillips, A.G., Broekkamp, C.L. and Fibiger, H.C. Strategies for studying the neurochemical substrates of drug reinforcement in rodents. *Prog. Neuropsychopharm.* 7:585-590 (1983).
186. Vincent, S.R., Satoh, K., Armstrong, D.M. and Fibiger, H.C. Substance P in the ascending cholinergic reticular system. *Nature* 306:688-691 (1983).

187. Phillips, A.G., LePiane, F.G. and Fibiger, H.C. Dopaminergic mediation of reward produced by direct injection of enkephalin into the ventral tegmental area of the rat. *Life Sci.* 33:2505-2511 (1983).
188. Asin, K.E. and Fibiger, H.C. Force requirements in lever-pressing, and responding after haloperidol. *Pharmacol. Biochem. Behav.* 20:323-326 (1984).
189. Satoh, K., Armstrong, D.M. and Fibiger, H.C. A comparison of the distribution of central cholinergic neurons as demonstrated by acetylcholinesterase pharmacohistochemistry and choline acetyltransferase immunohistochemistry. *Brain Res. Bull.* 11:693-720 (1983).
190. Vincent, S.R., Satoh, K., Armstrong, D.M. and Fibiger, H.C. NADPH-diaphorase: A selective histochemical marker for the cholinergic neurons of the pontine reticular formation. *Neurosci. Lett.* 43:31-36 (1983).
191. Staines, W.A. and Fibiger, H.C. Collateral projections of the neurons of the rat globus pallidus to the striatum and substantia nigra. *Exp. Brain Res.* 56:217-220 (1984).
192. Fibiger, H.C. The neurobiological substrates of depression in Parkinson's disease: A hypothesis. *Can. J. Neurol. Sci.* 11:105-107 (1984).

193. Lamarca, M.V. and Fibiger, H.C. Deoxyglucose uptake and choline acetyltransferase activity in cerebral cortex following lesions of the nucleus basalis magnocellularis. *Brain Res.* 307:366-369 (1984).
194. Vickroy, T.W., Fibiger, H.C., Roeske, W.R. and Yamamura, H.I. Reduced density of sodium-dependent (3H) hemicholinium-3 binding sites in the anterior cerebral cortex of rat following chemical destruction of the nucleus basalis magnocellularis. *Eur. J. Pharmacol.* 102:369-370 (1984).
195. Martin-Iverson, M.T., Ortmann, R. and Fibiger, H.C. Place preference conditioning with methylphenidate and nomifensine. *Brain Res.* 332:59-67 (1985).
196. Asin, K.E. and Fibiger, H.C. Spontaneous and delayed spatial alternation following damage to specific neuronal elements within the nucleus medianus raphe. *Behav. Brain Res.* 13:241-250 (1984).
197. Fibiger, H.C. and Lloyd, K.G. The neurobiological substrates of tardive dyskinesia: The GABA hypothesis. *Trends Neurosci.* 7:462-464 (1984).
198. Murray, C.L. and Fibiger, H.C. Learning and memory deficits after lesions of the nucleus basalis magnocellularis: Reversal by physostigmine. *Neuroscience* 14:1025-1032 (1985).
199. DiScala, G., Martin-Iverson, M.T., Phillips, A.G. and Fibiger, H.C. The effects of progabide (SL 76002) on locomotor activity and conditioned place preference induced by d-amphetamine. *Eur. J. Pharmacol.* 107:271-274 (1985).
200. Satoh, K. and Fibiger, H.C. Distribution of central cholinergic neurons in the baboon (*Papio papio*). I: General morphology. *J. Comp. Neurol.* 236:197-214 (1985).
201. Satoh, K. and Fibiger, H.C. Distribution of central cholinergic neurons in the baboon (*Papio papio*). II: A topographic atlas correlated with catecholamine neurons. *J. comp. Neurol.* 236:215-233 (1985).
202. Murray, C.L. and Fibiger, H.C. Pilocarpine and physostigmine attenuate spatial memory impairments produced by lesions of the nucleus basalis magnocellularis. *Behav. Neurosci.* 100:23-32 (1986).
203. Asin, K.E., Wirtshafter, D. and Fibiger, H.C. Electrolytic, but not 5,7-dihydroxytryptamine, lesions of the nucleus medianus raphe impair acquisition of a radial maze task. *Behav. Neural Biol.* 44:415-424 (1985).
204. Vincent, S.R., Satoh, K., Armstrong, D.M., Panula, P., Vale, W. and Fibiger, H.C. Neuropeptides and NADPH-diaphorase activity in the ascending cholinergic reticular system. *Neuroscience* 17:167-182 (1986).

205. Martin-Iverson, M.T., Szostak, C. and Fibiger, H.C. 6-hydroxydopamine lesions of the medial prefrontal cortex fail to influence intravenous self-administration of cocaine. *Psychopharmacology* 88:310-314 (1986).
206. Vincent, S.R., Satoh, K. and Fibiger, H.C. The localization of central cholinergic neurons. *Prog. Neuropsychopharmacol. Biol. Psychiatry* 10:637-656 (1986).
207. Watson, M., Vickroy, T.W., Fibiger, H.C., Roeske, W.R. and Yamamura, H.I. Effects of bilateral ibotenate-induced lesions of the nucleus magnocellularis upon selective cholinergic biochemical markers in the rat anterior cerebral cortex. *Brain Res.* 346:387-391 (1985).
208. Szostak, C., Jakubovic, A., Phillips, A.G. and Fibiger, H.C. Bilateral augmentation of dopaminergic and serotonergic activity in the striatum and nucleus accumbens induced by conditioned circling. *J. Neurosci.* 6:2037-2044 (1986).
209. Szostak, C., Jakubovic, A., Phillips, A.G. and Fibiger, H.C. Dopaminergic and serotonergic correlates of stimulation-induced circling. *Behav. Brain Res.* 21:37-46 (1986).
210. Jakubovic, A., Lin, D. and Fibiger, H.C. Factors affecting the stability and separation of biogenic amines and their metabolites: Simultaneous measurement by HPLC with electrochemical detection. *J. Pharmacol. Methods* 17:1-14 (1987).
211. Mithani, S., Martin-Iverson, M.T., Phillips, A.G. and Fibiger, H.C. The effects of haloperidol on amphetamine- and methylphenidate-induced place preferences and locomotor activity. *Psychopharmacology* 90:247-252 (1986).
212. Satoh, K. and Fibiger, H.C. Cholinergic neurons of the laterodorsal tegmental nucleus: Efferent and afferent connections. *J. comp. Neurol.* 253:277-302 (1986).
213. Murray, C.L. and Fibiger, H.C. The effect of pramiracetam (CI-879) on the acquisition of a radial arm maze task. *Psychopharmacology* 89:378-381 (1986).
214. Schwarz, D.W.F., Satoh, K., Schwarz, I.E., Hu, K. and Fibiger, H.C. Cholinergic innervation of the rat's labyrinth. *Exp. Brain Res.* 64:19-26 (1986).
215. Blackburn, J.R., Phillips, A.G. and Fibiger, H.C. Dopamine and preparatory behavior. 1: Effects of pimozide. *Behav. Neurosci.* 101:352-360 (1987).
216. Blackburn, J.R., Phillips, A.G., Jakubovic, A. and Fibiger, H.C. Increased dopamine metabolism in the nucleus accumbens and striatum following consumption of a nutritive meal but not a palatable, non-nutritive saccharin solution. *Pharmacol. Biochem. Behav.* 25:1095-1100 (1986).
217. Reiner, P.B., Semba, K., Fibiger, H.C., and McGeer, E.G. Physiological evidence for subpopulations of cortically projecting basal forebrain neurons in the anesthetized rat. *Neuroscience* 20:629-636 (1987).

218. Semba, K., Reiner, P.B., McGeer, E.G. and Fibiger, H.C. Morphology of cortically projecting basal forebrain neurons in the rat as revealed by intracellular iontophoresis of horseradish peroxidase. *Neuroscience* 20:637-651 (1987).
219. Phillips, A.G., Jakubovic, A. and Fibiger, H.C. Increased in vivo tyrosine hydroxylase activity in rat telencephalon produced by self-stimulation of the ventral tegmental area. *Brain Res.* 402:109-116 (1987).
220. Clarke, P.B.S. and Fibiger, H.C. Apparent absence of nicotine-induced conditioned place preference in the rat. *Psychopharmacology* 92:84-88 (1987).
221. Semba, K., Fibiger, H.C. and Vincent, S.R. Neurotransmitters in the mammalian striatum: Neuronal circuits and heterogeneity. *Can. J. Neurol. Sci.* 14:386-394 (1987).
222. Fibiger, H.C. Learning and memory deficits after ibotenate lesions of the nucleus basalis: reversal by cholinomimetics. *Can. J. Neurol. Sci.* 13:498-499 (1986).

223. Mithani, S., Atmadja, S., Baimbridge, K.G. and Fibiger, H.C. Neuroleptic-induced oral dyskinesias: Effects of progabide and lack of correlation with regional changes in glutamic acid decarboxylase and choline acetyltransferase activities. *Psychopharmacology* 93:94-100 (1987).
224. Finlay, J.M., Jakubovic, A., Fu, D. and Fibiger, H.C. Tolerance to haloperidol-induced increases in dopamine metabolites: Fact or artifact? *Eur. J. Pharmacol.* 137:117-121 (1987).
225. Schwaber, J.S., Rogers, W.T., Satoh, K. and Fibiger, H.C. Distribution and organization of cholinergic neurons in the rat forebrain demonstrated by computer-aided data acquisition and three-dimensional reconstruction. *J. comp. Neurol.* 263:309-325 (1987).
226. Martin-Iverson, M.T., Wilkie, D. and Fibiger, H.C. Effects of haloperidol and d-amphetamine on perceived quantity of food and tones. *Psychopharmacology* 93:374-381 (1987).
227. Szostak, C., Finlay, J.M. and Fibiger, H.C. Intravenous self-administration of the short-acting benzodiazepine midazolam in the rat. *Neuropharmacology* 26:1673-1676 (1987).
228. Carr, G.D., Phillips, A.G. and Fibiger, H.C. Independence of amphetamine reward from locomotor stimulation demonstrated by conditioned place preference. *Psychopharmacology* 94:221-226 (1988).
229. Fibiger, H.C., LePiane, F.G., Jakubovic, A. and Phillips, A.G. The role of dopamine in intracranial self-stimulation of the ventral tegmental area. *J. Neuroscience* 7:3888-3896 (1987).
230. Druhan, J.P., Martin-Iverson, M.T., Wilkie, D.M., Fibiger, H.C. and Phillips, A.G. Differential effects of physostigmine on cues produced by electrical stimulation of the ventral tegmental area using two discrimination procedures. *Pharmacol. Biochem. Behav.* 28:261-265 (1987).
231. Druhan, J.P., Martin-Iverson, M.T., Wilkie, D.M., Fibiger, H.C. and Phillips, A.G. Dissociation of dopaminergic and non-dopaminergic substrates for cues produced by electrical stimulation of the ventral tegmental area. *Pharmacol. Biochem. Behav.* 28:251-259 (1987).
232. Semba, K., Reiner, P.B., McGeer, E.G. and Fibiger, H.C. Brainstem afferents to the magnocellular forebrain studied by axonal transport, immunohistochemistry and electrophysiology in the rat. *J. comp. Neurol.* 267:433-453 (1988).
233. Martin-Iverson, M.T., Fibiger, H.C. and Wilkie, D.M. Alteration in the perception of food quantity by rats induced by manipulations of hunger and food sweetness. *Learning and Motivation* 19:44-65 (1988).
234. Radke, J.M., MacLennan, A.J., Vincent, S.R. and Fibiger, H.C. Comparison between short- and long-term haloperidol administration on somatostatin and substance P concentrations in the rat brain. *Brain Res.* 445:55-60 (1988).

235. Semba, K., Reiner, P.B., McGeer, E.G. and Fibiger, H.C. Non-cholinergic basal forebrain neurons project to the contralateral basal forebrain in the rat. *Neurosci. Lett.* 84:23-28 (1988).
236. Fibiger, H.C. Neural circuit models of psychopathology: Dancing on the precipice of neuromythology? *Behav. Brain Sci.* 10:212-213 (1987).
237. Semba, K. and Fibiger, H.C. Time of origin of cholinergic neurons in the rat basal forebrain. *J. Comp. Neurol.* 269:87-95 (1988).
238. Blackburn, J.R., Phillips, A.G., Jakubovic, A. and Fibiger, H.C. Dopamine and preparatory behavior. II: A neurochemical analysis. *Behav. Neurosci.* 103:15-23 (1989).
239. Szostak, C., Porter, L., Jakubovic, A., Phillips, A.G. and Fibiger, H.C. Conditioned circling in rats: Bilateral involvement of the mesotelencephalic dopamine system demonstrated by unilateral 6-OHDA lesions. *Neuroscience* 26:395-401 (1988).
240. MacLennan, A.J., Atmadja, S., Lee, N. and Fibiger, H.C. Chronic haloperidol administration increases the density of D2 dopamine receptors in the medial prefrontal cortex of the rat. *Psychopharmacology* 95:255-257 (1988).
241. Pisa, M., Martin-Iverson, M.T. and Fibiger, H.C. On the role of the dorsal noradrenergic bundle in learning and habituation to novelty. *Pharmacol. Biochem. Behav.* 30:835-845 (1988).
242. Spyraiki, C. and Fibiger, H.C. A role for the mesolimbic dopamine system in the reinforcing properties of diazepam. *Psychopharmacology* 94:133-137 (1988).
243. Semba, K., Vincent, S.R. and Fibiger, H.C. Different times of origin of choline acetyltransferase- and somatostatin-immunoreactive neurons in rat striatum. *J. Neuroscience* 8:3937-3944 (1988).
244. Clarke, P.B.S., Jakubovic, A. and Fibiger, H.C. Anatomical analysis of the involvement of mesolimbocortical dopamine in the locomotor actions of d-amphetamine and apomorphine. *Psychopharmacology* 96:511-520 (1988).
245. Clarke, P.B.S., Fu, D.S., Jakubovic, A. and Fibiger, H.C. Evidence that mesolimbic dopaminergic activation underlies the locomotor stimulant action of nicotine in rats. *J. Pharmacol. Exp. Ther.* 246:701-708 (1988).
246. Radke, J.M., MacLennan, A.J., Beinfeld, M.C., Bissette, G., Nemeroff, C.B., Vincent, S.R. and Fibiger, H.C. Effects of short- and long-term haloperidol administration and withdrawal on regional brain cholecystokinin and neurotensin concentrations in the rat. *Brain Res.* 480:178-183 (1989).

247. Szostak, C., Jakubovic, A., Phillips, A.G. and Fibiger, H.C. Influence of inherent directional biases on neurochemical consequences of conditioned circling. *Behav. Neurosci.* 103:678-687 (1989).
248. Szostak, C., Jakubovic, A., Phillips, A.G. and Fibiger, H.C. Neurochemical correlates of conditioned circling within localized regions of the striatum. *Exp. Brain Res.* 75:430-440 (1989).
249. MacLennan, A.J., Pellemounter, M.A., Atmadja, S., Jakubovic, A., Maier, S.F. and Fibiger, H.C. D2 dopamine receptors in the rat prefrontal cortex: characterization and alteration by stress. *Brain Res.* 477:300-307 (1989).
250. Druhan, J.P., Fibiger, H.C. and Phillips, A.G. Differential effects of cholinergic drugs on discriminative cues and self-stimulation produced by electrical stimulation of the ventral tegmental area. *Psychopharmacology* 97:331-338 (1989).
251. Blackburn, J.R., Phillips, A.G. and Fibiger, H.C. Dopamine and preparatory behavior. III: Effects of metoclopramide and thioridazine. *Behav. Neurosci.* 103:903-906 (1989).
252. Reiner, P.B., Semba, K., Fibiger, H.C. and McGeer, E.G. Ontogeny of histidine-decarboxylase-immunoreactive neurons in the tuberomammillary nucleus of the rat hypothalamus: Time of origin and development of transmitter phenotype. *J. Comp. Neurol.* 276:304-311 (1988).
253. Semba, K., Reiner, P.B., McGeer, E.G. and Fibiger, H.C. Brainstem projecting neurons in the basal forebrain of the rat: Neurochemical, topographical, and physiological distinctions from cortically projecting neurons. *Brain Res. Bull.* 22:501-509 (1989).
254. Finlay, J.M., Jakubovic, A., Phillips, A.G. and Fibiger, H.C. Fentanyl-induced conditional place preference: Lack of associated conditional neurochemical events. *Psychopharmacology* 96:534-540 (1988).
255. Finlay, J.M., Szostak, C. and Fibiger, H.C. Further characterization of intravenous self-administration of midazolam in the rat. *Behav. Pharmacol.* 1:13-23 (1989).
256. Yoshida, M., Shirouzu, M., Tanaka, M., Semba, K. and Fibiger, H.C. Dopaminergic neurons in the nucleus raphe dorsalis innervate the prefrontal cortex in the rat: Combined retrograde tracing and immunohistochemical study using anti-dopamine serum. *Brain Res.* 406:373-376 (1989).
257. Jourdain, A., Semba, K. and Fibiger, H.C. Basal forebrain and mesopontine tegmental projections to the reticular thalamic nucleus: An axonal collateralization and immunohistochemical study in the rat. *Brain Res.* 505:55-65 (1989).
258. Damsma, G., Day, J. and Fibiger, H.C. Lack of tolerance to nicotine-induced dopamine release in the nucleus accumbens. *Eur. J. Pharmacol.* 168:363-368 (1989).

259. Nomikos, G., Damsma, G., Wenkstern, D. and Fibiger, H.C. Acute effects of bupropion on extracellular dopamine concentrations in rat striatum and nucleus accumbens studied by in vivo microdialysis. *Neuropsychopharmacology* 2:273-279 (1989).
260. Phillips, A.G., Blaha, C.D., and Fibiger, H.C. Neurochemical correlates of brain-stimulation reward measured by ex vivo and in vivo analyses. *Neurosci. Biobehav. Rev.* 13:99-104 (1989).
261. Damsma, G., Boisvert, D.P., Mudrick, L.A., Wenkstern, D. and Fibiger, H.C. Effects of transient forebrain ischemia and pargyline on extracellular concentrations of dopamine, serotonin and their metabolites in the rat striatum as determined by in vivo microdialysis. *J. Neurochem.* 54:801-808 (1990).
262. Blaha, C.D., Coury, A., Fibiger, H.C. and Phillips, A.G. Effects of neurotensin on dopamine release and metabolism in the rat striatum and nucleus accumbens: Cross-validation using in vivo voltammetry and microdialysis. *Neuroscience* 34:699-705 (1990).
263. Clarke, P.B.S., Wyder, K.J., Jakubovic, A. and Fibiger, H.C. Effects of B-HT 920 on nigrostriatal and mesolimbic dopamine systems in normosensitive and supersensitive rats. *Br. J. Pharmacol.* 99:509-515 (1990).
264. Guttman, M., Fibiger, H.C., Jakubovic, A. and Calne, D.B. Intracarotid 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine administration: biochemical and behavioral observations in a primate model of hemiparkinsonism. *J. Neurochem.* 54:1329-1334 (1990).
265. Clarke, P.B.S. and Fibiger, H.C. Reinforced alternation performance is impaired by muscarinic but not by nicotinic receptor blockade in rats. *Behav. Brain Res.* 36:203-207 (1990).
266. Nomikos, G.G., Damsma, G., Wenkstern, D. and Fibiger, H.C. In vivo characterization of locally applied dopamine uptake inhibitors by striatal microdialysis. *Synapse* 6:106-112 (1990).
267. Druhan, J.P., Fibiger, H.C., and Phillips A.G. Amphetamine-like stimulus properties produced by electrical stimulation of reward sites in the ventral tegmental area. *Behav. Brain Res.* 38:175-184 (1990).
268. Nomikos, G.G., Zis, A.P., Damsma, G., and Fibiger, H.C. Electroconvulsive shock produces large increases in interstitial concentrations of dopamine in the rat striatum: an in vivo microdialysis study. *Neuropsychopharmacology* 4:65-69 (1991).
269. Robertson, G.S., Vincent, S.R., and Fibiger, H.C. Striato-nigral projection neurons contain D1 dopamine receptor activated c-fos. *Brain Res.* 523:288-290 (1990).
270. Phillips, A.G., and Fibiger, H.C. Role of reward and enhancement of conditioned reward in persistence of responding for cocaine. *Behav. Pharmacol.* 1:269-282 (1990).

271. Pfaus, J.G., Damsma, G., Nomikos, G.G., Wenkstern, D.G., Blaha, C.D., Phillips, A.G., and Fibiger, H.C. Sexual behavior enhances central dopamine transmission in the male rat. *Brain Res.* 530:345-348 (1990).
272. Vincent, S.R., Semba, K., Radke, J.M., Jakubovic, A., and Fibiger, H.C. Loss of striatal somatostatin neurons following prenatal methylazoxymethanol. *Exp. Neurol.* 110:194-200 (1990).
273. Damsma, G., de Boer, P., Westerink, B.H.C., and Fibiger H.C. Dopaminergic regulation of striatal cholinergic interneurons: an in vivo microdialysis study. *Naunyn-Schmiedeberg's Arch. Pharmacol.* 342:523-527 (1990).
274. de Boer, P., Damsma, G., Fibiger, H.C., Timmerman, W., de Vries, J.B., and Westerink, B.H.C. Dopaminergic-cholinergic interactions in the striatum: the critical significance of calcium concentrations in brain microdialysis. *Naunyn-Schmiedeberg's Arch. Pharmacol.* 342:528-534 (1990).
275. Damsma, G., Tham, C., Robertson, G.S., and Fibiger, H.C. Dopamine D-1 receptor stimulation increases striatal acetylcholine release in the rat. *Eur. J. Pharmacol.* 186:335-338 (1990).
276. Zis, A.P., Nomikos, G.G., Damsma, G., and Fibiger, H.C. In vivo neurochemical effects of electroconvulsive shock studied by microdialysis in the rat striatum. *Psychopharmacology* 103:343-350 (1991).
277. Brown, E.E., Finlay, J.M., Wong, J.T.F., Damsma, G., and Fibiger, H.C. Behavioral and neurochemical interactions between cocaine and buprenorphine: Implications for the pharmacotherapy of cocaine abuse. *J. Pharmacol. Exp. Ther.* 256:119-126 (1991).
278. Semba, K., Reiner, P.B., and Fibiger, H.C. Single cholinergic mesopontine tegmental neurons project to both the pontine reticular formation and the thalamus in the rat. *Neuroscience* 38:643-654 (1990).
279. Nomikos, G.G., Damsma, G., Wenkstern, D., and Fibiger, H.C. Chronic desipramine treatment enhances amphetamine-induced increases in interstitial concentrations of dopamine in the nucleus accumbens. *Eur. J. Pharmacol.* 195:63-73 (1991).
280. Cumming, P., Damsma, G., Fibiger, H.C., and Vincent, S.R. Characterization of extracellular histamine in the striatum and bed nucleus of the stria terminalis of the rat: an in vivo microdialysis study. *J. Neurochem.* 56:1797-1803 (1991).
281. Day, J., Damsma, G., and Fibiger, H.C. Cholinergic activity in the rat hippocampus, cortex and striatum correlates with locomotor activity: an in vivo microdialysis study. *Pharmacol. Biochem. Behav.* 38:723-729 (1991).

282. Robertson, G.S., Damsma, G., and Fibiger, H.C. Characterization of dopamine release in the substantia nigra by in vivo microdialysis in freely moving rats. *J. Neurosci.* 11:2209-2216 (1991).
283. Brown, E.E., Damsma, G., Cumming, P., and Fibiger, H.C. Interstitial 3-methoxytyramine reflects striatal dopamine release: an in vivo microdialysis study. *J. Neurochem.* 57:701-707 (1991).
284. Fibiger, H.C. Cholinergic mechanisms in learning, memory and dementia: a review of recent evidence. *Trends Neurosci.* 14:220-223 (1991).
285. Nomikos, G.G., Zis, A.P., Damsma, G., and Fibiger, H.C. The effects of chronic electroconvulsive shock on interstitial concentrations of dopamine in the nucleus accumbens. *Psychopharmacology* 105:230-238 (1991).
286. Druhan, J.P., Fibiger, H.C., and Phillips, A.G. Influence of some drugs of abuse on the discriminative stimulus properties of amphetamine. *Behav. Pharmacol.* 2:391-403 (1991).
287. Damsma, G., and Fibiger, H.C. The effects of anaesthesia and hypothermia on interstitial concentrations of acetylcholine and choline in rat striatum. *Life Sci.* 48:2469-2474 (1991).
288. Robertson, G.S., and Fibiger, H.C. Neuroleptics increase c-fos expression in the forebrain: contrasting effects of haloperidol and clozapine. *Neuroscience* 46:315-328 (1992).
289. Damsma, G., Pfaus, J.G., Wenkstern, D., Phillips, A.G., and Fibiger, H.C. Sexual behavior increases dopamine transmission in the nucleus accumbens and striatum of male rats: comparison with novelty and locomotion. *Behav. Neurosci.* 106:181-191 (1992).
290. Brown, E.E., Nomikos, G.G., Wilson, C., and Fibiger, H.C. Chronic desipramine enhances the effect of locally applied amphetamine on interstitial concentrations of dopamine in the nucleus accumbens. *Eur. J. Pharmacol.* 202:125-127 (1991).
291. Finlay, J.M., Damsma, G., and Fibiger, H.C. Benzodiazepine-induced decreases in extracellular concentrations of dopamine in the nucleus accumbens after acute and repeated administration. *Psychopharmacology* 106:202-208 (1992).
292. Robertson, G.S., Pfaus, J.G., Atkinson, L.J., Matsumura, H., Phillips, A.G., and Fibiger, H.C. Sexual behavior increases c-fos expression in the forebrain of the male rat. *Brain Res.* 564:352-357 (1991).
293. Nomikos, G.G., Damsma, G., Wenkstern, D., and Fibiger, H.C. Effects of chronic bupropion on interstitial concentrations of dopamine in rat nucleus accumbens and striatum. *Neuropsychopharmacology* 7:7-14 (1992).

294. Damsma, G., Robertson, G.S., Tham, C.-S., and Fibiger, H.C. Dopaminergic regulation of striatal acetylcholine release: importance of D1 and N-methyl-D-aspartate receptors. *J. Pharmacol. Exp. Ther.* 259:1064-1072 (1992).
295. Brown, E.E., and Fibiger, H.C. Cocaine-induced conditioned locomotion: absence of associated increases in dopamine release. *Neuroscience* 48:621-629 (1992).
296. Hurd, Y.L., Brown, E.E., Finlay, J.M., Fibiger, H.C., and Gerfen, C.R. Cocaine self-administration differentially alters mRNA expression of striatal peptides. *Mol. Brain Res.* 13:165-170 (1992).
297. Yoshida, M., Damsma, G., Fibiger, H.C., Yokoo, H., Mizoguchi, K., and Tanaka, M. Central dopaminergic neurons: immunohistochemistry and in vivo monitoring of dopamine release correlated to behavior. *Jpn. J. Psychiatry Neurol.* 45:525-528 (1991).
298. Robertson, G.S., Vincent, S.R., and Fibiger, H.C. D1 and D2 dopamine receptors differentially regulate c-fos expression in striato-nigral and striato-pallidal neurons. *Neuroscience* 49:285-296 (1992).
299. Day, J., and Fibiger, H.C. Dopaminergic regulation of cortical acetylcholine release. *Synapse* 12:281-286 (1992).
300. Tanaka, T., Vincent, S.R., Nomikos, G.G., and Fibiger, H.C. The effect of quinine on autoreceptor-regulated dopamine release in the rat striatum. *J. Neurochem.* 59:1640-1645 (1992).
301. Semba, K., and Fibiger, H.C. Afferent connections of the laterodorsal and the pedunculopontine tegmental nuclei in the rat: a retro- and anterograde transport and immunohistochemical study. *J. Comp. Neurol.* 323:387-410 (1992).
302. Brown, E.E., Robertson, G.S., and Fibiger, H.C. Evidence for conditional neuronal activation following exposure to a cocaine-paired environment: Role of forebrain limbic structures. *J. Neurosci.* 12:4112-4121 (1992).
303. Fibiger, H.C. Cholinergic replacement strategies in Alzheimer's disease: the postsynaptic dilemma. commentary on Dawson et al. "Pharmacological mechanisms and animal models of cognition". *Behav. Pharmacol.* 3:299-300 (1992).
304. Guo, N., Robertson, G.S. and Fibiger, H.C. Scopolamine attenuates haloperidol-induced c-fos expression in the striatum. *Brain Res.* 588:164-167 (1992).
305. Zis, A.P., Nomikos, G.G., Brown, E.E., Damsma, G., and Fibiger, H.C. Neurochemical effects of electrically and chemically induced seizures: an in vivo microdialysis study in the rat hippocampus. *Neuropsychopharmacology* 7:189-195 (1992).

306. Cumming, P., Brown, E., Damsma, G., and Fibiger, H. Formation and clearance of interstitial metabolites of dopamine and serotonin in the rat striatum: an in vivo microdialysis study. *J. Neurochem.* 59:1905-1914 (1992).
307. Fiorino, D.F., Coury, A., Fibiger, H.C., and Phillips, A.G. Electrical stimulation of reward sites in the ventral tegmental area increases dopamine transmission in the nucleus accumbens of the rat. *Behav. Brain Res.* 55:131-141 (1993).
308. Robertson, G.S., Hubert, G.W., Tham, C.-S., and Fibiger, H.C. Lesions of the mesotelencephalic dopamine system enhance the effects of selective dopamine D1 and D2 receptor agonists on striatal acetylcholine release. *Eur. J. Pharmacol.* 219:323-325 (1992).
309. Brown, E.E., and Fibiger, H.C. Differential effects of excitotoxic lesions of the amygdala on cocaine-induced conditioned locomotion and conditioned place preference. *Psychopharmacology* 113:123-130 (1993).
310. Wenkstern, D, Pfaus, J.G., and Fibiger, H.C. Dopamine transmission increases in the nucleus accumbens of male rats during their first exposure to sexually receptive female rats. *Brain Res.* 618:41-46 (1993).
311. Day, J., and Fibiger, H.C. Dopaminergic regulation of cortical acetylcholine release: effects of dopamine receptor agonists. *Neuroscience* 54:643-648 (1993)
312. Hamamura, T., and Fibiger, H.C. Enhanced stress-induced dopamine release in the prefrontal cortex of amphetamine sensitized rats. *Eur. J. Pharmacol.* 237:65-71 (1993).
313. Robertson, G.S., Tham, C.-S., Wilson, C., Jakubovic, A., and Fibiger, H.C. In vivo comparisons of the effects of quinpirole and the putative presynaptic dopaminergic agonists B-HT 920 and SND 919 on striatal dopamine and acetylcholine release. *J. Pharmacol. Exp. Ther.* 264:1344-1351 (1993).
314. McGarvey, K.A., Zis, A.P., Brown, E.E., Nomikos, G.G., and Fibiger, H.C. ECS-induced dopamine release: effects of electrode placement, anticonvulsant treatment and stimulus intensity. *Biol. Psychiatry* 34:152-157 (1993).
315. Taber, M.T., and Fibiger, H.C. Electrical stimulation of the medial prefrontal cortex increases dopamine release in the striatum. *Neuropsychopharmacology* 9:271-275 (1993).
316. Fibiger, H.C. Mesolimbic dopamine: an analysis of its role in motivated behavior. *Seminars in the Neurosciences* 5:321-327 (1993).
317. Williams, J.A., Comisarow, J., Day, J., Fibiger, H.C., and Reiner, P.B. State-dependent release of acetylcholine in rat thalamus measured by in vivo microdialysis. *J. Neurosci.* 14:5236-5242 (1994).

318. Taber, M.T., and Fibiger, H.C. Cortical regulation of acetylcholine release in rat striatum. *Brain Res.* 639:354-356 (1994).
319. Day, J.C., and Fibiger, H.C. Dopaminergic regulation of septohippocampal cholinergic neurons. *J. Neurochem.* 63:2086-2092 (1994).
320. Acquas, E., Day, J.C., and Fibiger, H.C. The potent and selective dopamine D1 receptor agonist A-77636 increases cortical and hippocampal acetylcholine release in the rat. *Eur. J. Pharmacol.* 260:85-87 (1994).
321. Inglis, F.M., Day, J.C., and Fibiger, H.C. Enhanced acetylcholine release in hippocampus and cortex during the anticipation and consumption of a palatable meal. *Neuroscience* 62:1049-1056 (1994).
322. Beck, C.H.M., and Fibiger, H.C. Conditioned fear-induced changes in behavior and in the expression of the immediate early gene c-fos: with and without diazepam pretreatment. *J. Neurosci.* 15:709-720 (1995).
323. Day, J.C., Tham, C-S., and Fibiger, H.C. Dopamine depletion attenuates amphetamine-induced increases of cortical acetylcholine release. *Eur. J. Pharmacol.* 263:285-292 (1994).
324. Klitenick, M.A., Tham, C-S., and Fibiger, H.C. Cocaine and d-amphetamine increase c-fos expression in the rat cerebellum. *Synapse* 19:29-36 (1995).
325. Robertson, G.S., Matsumura, H., and Fibiger, H.C. Induction patterns of Fos-like immunoreactivity in the forebrain as predictors of atypical antipsychotic activity. *J. Pharmacol. Exp. Ther.* 271:1058-1066 (1994).
326. Beck, C.H.M., and Fibiger, H.C. Chronic desipramine alters stress-induced behaviors and regional expression of the immediate early gene, c-fos. *Pharmacol. Biochem. Behav.* 51:331-338 (1995).
327. Guo, N., Klitenick, M.A., Tham, C.-S., and Fibiger, H.C. Receptor mechanisms mediating clozapine-induced c-fos expression in the forebrain. *Neuroscience* 65:747-756 (1995).
328. Fibiger, H.C. Neuroanatomical targets of neuroleptic drugs as revealed by Fos immunohistochemistry. *J. Clin. Psychiatry* 55:33-36, 1994.
329. Satoh, K., and Fibiger, H.C. Effects of haloperidol and clozapine on c-fos expression in the rat forebrain. An immunocytochemical study. *Brain Sci. Ment. Dis.* 5:281-294, 1994.
330. Inglis, F.M., and Fibiger, H.C. Increases in hippocampal and frontal cortical acetylcholine release associated with presentation of sensory stimuli. *Neuroscience* 66:81-86 (1995).

331. Taber, M.T., and Fibiger, H.C. Electrical stimulation of the prefrontal cortex increases dopamine release in the nucleus accumbens of the rat: modulation by metabotropic glutamate receptors. *J. Neurosci.* 15:3896-3904 (1995).
332. Wilson, C., Nomikos, G.G., Collu, M., and Fibiger, H.C. Dopaminergic correlates of motivated behavior: importance of drive. *J. Neurosci.* 15:5169-5178 (1995).
333. Pfaus, J.G., Damsma, G., Wenkstern, D., and Fibiger, H.C. Sexual activity increases dopamine transmission in the nucleus accumbens and striatum of female rats. *Brain Res.* 693:21-30 (1995).
334. Hirano, H., Day, J., and Fibiger, H.C. Serotonergic regulation of acetylcholine release in rat frontal cortex. *J. Neurochem.* 65:1139-1145 (1995).
335. Taber, M.T., Das, Sheela, and Fibiger, H.C. Cortical regulation of subcortical dopamine release: mediation via the ventral tegmental area. *J. Neurochem.* 65:1407-1410 (1995).
336. Ikemoto, K., Satoh, K., Maeda, T., and Fibiger, H.C. Neurochemical heterogeneity of the primate nucleus accumbens. *Exp. Brain Res.* 104:177-190 (1995).
337. Robertson, G.S., and Fibiger, H.C. Effects of olanzapine on regional c-fos expression in rat forebrain. *Neuropsychopharmacology* 14:105-110 (1996).
338. Acquas, E., and Fibiger, H.C. Chronic lithium attenuates dopamine D1-receptor mediated increases in acetylcholine release in rat frontal cortex. *Psychopharmacology* 125:162-167 (1996).
339. Klitenick, M.A., Taber, M.T., and Fibiger, H.C. Effects of chronic haloperidol on stress- and stimulation-induced increases in dopamine release: a test of the depolarization block hypothesis. *Neuropsychopharmacology* 15:424-428 (1996).
340. Meltzer, H.Y., and Fibiger, H.C. Olanzapine: a new atypical antipsychotic drug. *Neuropsychopharmacology* 14:83-85 (1996).
341. Acquas, E., Wilson, C., and Fibiger, H.C. Conditioned and unconditioned stimuli increase frontal cortical and hippocampal acetylcholine release: effects of novelty, habituation, and fear. *J. Neurosci.* 16:3089-3096 (1996).
342. Taber, M.T., Baker, G.B., and Fibiger, H.C. Glutamate receptor agonists decrease extracellular dopamine in the rat nucleus accumbens in vivo. *Synapse* 24:165-172 (1996).
343. Taber, M.T., and Fibiger, H.C. Feeding-evoked dopamine release in the nucleus accumbens: regulation by glutamatergic mechanisms. *Neuroscience* 76:1105-1112 (1997).
344. Hamamura, T., Ichimaru, Y., and Fibiger, H.C. Amphetamine sensitization enhances regional c-fos expression produced by conditioned fear. *Neuroscience* 76:1097-1103 (1997).

345. Taber, M.T., and Fibiger, H.C. Activation of mesocortical dopamine system by feeding: lack of a selective response to stress. *Neuroscience* 77:295-298 (1997).
346. Nomikos, G.G., Tham, C.-S., Fibiger, H.C., and Svensson, T.H. The putative atypical antipsychotic drug amperozide preferentially increases c-fos expression in the rat medial prefrontal cortex and the lateral septum. *Neuropsychopharmacology* 17:197-201 (1997).
347. Fibiger, H.C. Physiological relevance: a fundamental goal of brain microdialysis. Commentary on Di Chiara et al. 'Estimation of in-vivo neurotransmitter release by brain microdialysis: the issue of validity'. *Behav. Pharmacol.* 7:661-662 (1996).
348. Zernig, G., and Fibiger, H.C. Acute and prolonged effects of clocinnamox and methoclocinnamox on nucleus accumbens dopamine overflow. *Psychopharmacology*. 135(1):17-21 (1998).
349. Acquas, E., Wilson, C., and Fibiger, H.C. Nonstriatal dopamine D1 receptors regulate striatal acetylcholine release in vivo. *J. Pharmacol. Exp. Ther.* 281(1):360-368 (1997).
350. Taber, M.T., Zernig, G., and Fibiger, H.C. Opioid receptor modulation of feeding-evoked dopamine release in the rat nucleus accumbens. *Brain Res.* 785(1):24-30 (1998).
351. Acquas, E., and Fibiger, H.C. Dopaminergic regulation of striatal acetylcholine release: the critical role of acetylcholinesterase inhibition. *J. Neurochem.* 70(3):1088-93 (1998).
352. Acquas, E., Wilson, C., and Fibiger, H.C. Pharmacology of sensory stimulation-evoked increases in frontal cortical acetylcholine release. *Neuroscience*. 85(1):73-83 (1998).
- Guo, N., Vincent, S.R., and Fibiger, H.C. Phenotypic characterization of neuroleptic-sensitive neurons in the forebrain: contrasting targets of haloperidol and clozapine. *Neuropsychopharmacology*. 19(2):133-45 (1998).
- Fibiger, H.C. Psychiatry, the pharmaceutical industry, and the road to better therapeutics. *Schizophrenia Bulletin*. 38: 649-650 (2012).
355. Taylor, H., Barua, N., Bieneman, A., Wyatt, M., Castrique, E., Foster, R., Luz, M., Fibiger, H.C., Mohr, E., and Gill, S. Clearance and toxicity of recombinant methionyl human glial derived neurotrophic factor (r-metHu-GDNF) following acute convection enhanced delivery into the striatum. *Plos One*. in press (2013).

(b) Book Chapters

1. Fibiger, H.C. Behavioral pharmacology of amphetamine: Some metabolic and pharmacological considerations. In: *Frontiers in Catecholamine Research* (Eds. E. Usdin and S. Snyder) Pergamon Press, New York, 933-937 (1973).
2. McGeer, P.L., Fibiger, H.C., Maler, L., Hattori, T. and McGeer, E.G. Evidence for descending pallido-nigral GABA containing neurons. In: *Advances in Neurology Vol. 5*, (Eds. F.M. McDowell and A. Barbeau) Raven Press, New York, pp. 153-160 (1974).
3. McGeer, P.L., Fibiger, H.C., Hattori, T., Singh, V.K., McGeer, E.G. and Maler, L. Biochemical neuroanatomy of the basal ganglia. In: *Neurohumoral Coding of Brain Function, Advances in Behavior and Biology, Vol. 10*, (Eds. R. D. Myers and R.R. Drucker-Colin) Plenum Press, New York, pp. 27-48 (1974).
4. Fibiger, H.C. and Phillips, A.G. the role of dopamine and norepinephrine in the chemistry of reward. In: *Catecholamines and their Enzymes in the Neuropathology of Schizophrenia*. (Eds. S.S. Kety and S. Matthysse) Pergamon Press, New York. pp. 135-143 (1974).
5. Hattori, T., Fibiger, H.C. and McGeer, P.L. Ascending and descending connections of nigral dopaminergic neurons by electron microscopic autoradiography. In: *Pharmacology and Biochemistry of the Nigro-Striatal System*. (Ed. J. Glowinski) Springer-Verlag, Berlin, pp. 412-424 (1975).
6. Phillips, A.G., Carter, D.A. and Fibiger, H.C. Decreased intracranial self-stimulation after neuroleptics or destruction of the nigro-neostriatal bundle: Performance or reinforcement deficit? In: *Brain-Stimulation Reward* (Eds. A. Wauquier and E.T. Rolls) North-Holland, Amsterdam, pp. 272-280 (1976).
7. Fibiger, H.C., Roberts, D.C.S. and Price M.T.C. On the role of telencephalic noradrenaline in learning and memory. In: *Chemical Tools in Catecholamine Research* (Eds. G. Jonsson et al.) North-Holland, Amsterdam, pp. 349-356 (1975).
8. Hattori, T., McGeer, P.L., Singh, V.K., McGeer, E.G. and Fibiger, H.C. 6-Hydroxydopamine as a tool for demonstrating connections in the basal ganglia. In: *Chemical tools in Catecholamine Research*. (Eds. G. Jonsson et al.) North-Holland, Amsterdam, pp. 141-148 (1975).
9. Fibiger, H.C. On the role of the dopaminergic nigro-striatal projection in reinforcement, learning and memory. In: *Psychobiology of the Striatum* (Eds. A.R. Cools et al.) North-Holland, Amsterdam, pp. 73-84 (1977).
10. Phillips, A.G. and Fibiger, H.C. The multivariate nature of motivated behavior elicited by electrical stimulation of the lateral hypothalamus. In: *Current Studies of Hypothalamic Function* (Eds. K. Lederis and W.L. Veale) S. Karger A.G., Basel, pp. 195-205 (1978).

11. Fibiger, H.C. and Phillips, A.G. Dopamine and the neural mechanisms of reinforcement. In: *The Neurobiology of Dopamine* (Eds. A.S. Horn, B.H.C. Westerink and J. Korf) Academic Press, London, pp. 597-615 (1979).
12. Fibiger, H.C. Kainic acid lesions of the striatum: A pharmacological and behavioural model of Huntington's disease. In: *Kainic Acid* (Eds. E.G. McGeer, J.W. Olney and P.L. McGeer) Raven Press, New York, pp. 161-176 (1978).
13. Fibiger, H.C. and Mason, S.T. Noradrenaline-acetylcholine interactions in brain: Possible behavioral functions. In: *Catecholamines: Basic and Clinical Frontiers* (Ed. U. Usdin) Pergamon Press, New York, pp. 1119-1121 (1979).
14. Phillips, A.G. and Fibiger, H.C. Dopaminergic substrates of brain stimulation reward. In: *Catecholamines: Basic and Clinical Frontiers* (Ed. U. Usdin) Pergamon Press, New York, pp. 1744-1746 (1979).
15. Roberts, D.C.S., Corcoran, M.E. and Fibiger, H.C. A critical role for the nucleus accumbens in cocaine self-administration. In: *Catecholamines: Basic and Clinical Frontiers* (Ed. U. Usdin) Pergamon Press, New York, pp. 1774-1776 (1979).
16. Mason, S.T. and Fibiger, H.C. Noradrenaline, fear and anxiety. In: *Catecholamines: Basic and Clinical Frontiers* (Ed. U. Usdin) Pergamon Press, New York, pp. 1931-1933 (1979).
17. Sanberg, P.R. and Fibiger, H.C. Body weight, feeding and drinking behaviors in rats with kainic acid induced lesions of striatal neurons. With a note on body weight symptomatology in Huntington's disease. *Exp. Neurol.* 66:444-466 (1979).
18. Fibiger, H.C. and Lehmann, J. Anatomical organization of some cholinergic systems in the mammalian forebrain. In: *Cholinergic Mechanisms* (Eds. G. Pepeu and H. Ladinsky), Plenum Press, New York, pp. 663-672 (1981).

19. Phillips, A.G., Spyraiki, C. and Fibiger, H.C. Conditioned place preference with amphetamine and opiates as reward stimuli: Attenuation by haloperidol. In: *The Neural Basis of Feeding and Reward* (Eds. B. Hoebel and D. Novin) Haer Institute for Electrophysiological Research, Brunswick, Maine, pp.455-464 (1982).
20. Gerfen, C.R., Staines, W.A., Clavier, R.M., Arbuthnott, G.W. and Fibiger, H.C. Neuroanatomical studies of substantia nigra self-stimulation in the rat. In: *The Neural Basis of Feeding and Reward* (Eds. B. Hoebel and D. Novin) Haer Institute for Electrophysiological Research, Brunswick, Maine, pp.305-322 (1982).
21. Fibiger, H.C. and Atmadja, S. On the problem of distant lesions in behavioural studies utilizing kainic acid. In: *Excitotoxins* (Eds. K. Fuxe, P. Roberts and R. Schwarcz) McMillan Press, London, pp.271-279 (1983).
22. Fibiger, H.C. and Phillips, A.G. Behavioral pharmacology of neuroleptic drugs: Possible mechanisms of action. In: *Behavioral Pharmacology: The Current Status* (Eds. L.S. Seiden and R.L. Balster) Alan R. Liss, New York, pp.243-259 (1985).
23. Fibiger, H.C. and Phillips, A.G. Reward, motivation and cognition: Psychobiology of meso-telencephalic dopamine systems. In: *Handbook of Physiology: The Nervous System. Volume 4. Intrinsic Regulatory Systems of the Brain* (Eds. F.E. Bloom and S.R. Geiger) American Physiological Society, Bethesda, pp. 647-675 (1986).
24. Phillips, A.G. and Fibiger, H.C. Anatomical and neurochemical substrates of drug reward determined by the conditioned place preference technique. In: *Methods of Assessing the Reinforcing Properties of Abused Drugs* (Ed. M.A. Bozarth) Haer Institute of Electrophysiological Research, Brunswick, Maine (1984).
25. Wang, J.-X., Gulya, K., Vickroy, T.W., Watson, M., Mei, L., Roeske, W.R., Perry, E.K., Perry, R.H., Fibiger, H.C. and Yamamura, H.I. Alteration of cholinergic and somatostatin systems in Alzheimer's disease and its animal models. In: *Liver and Aging - 1986: Liver and Brain. The Third Tokyo Symposium.* (Ed. K. Kitani) Elsevier Science Publications, pp. 209-221 (1986).
26. Fibiger, H.C. and Phillips, A.G. Role of catecholamine transmitters in brain reward systems: Implications for the neurobiology of affect. In: *Brain Reward Systems and Abuse* (Eds. J. Engel and L. Oreland) Raven Press, New York, pp. 61-74 (1987).
27. Fibiger, H.C. and Vincent, S.R. Anatomy of central cholinergic neurons. In: *Psychopharmacology: The Third Generation of Progress* (Eds. H. Meltzer et al.) Raven Press, New York, pp. 211-218 (1987).
28. Fibiger, H.C. and Murray, C.L. Anatomy and functions of the rostral cholinergic column: Implications for the pathophysiology of Alzheimer's disease. In: *Advancing Frontiers in Alzheimer's Disease Research* (Eds. G.G. Glenner and R.J. Wurtman) University of Texas, Austin, pp. 39-51 (1987).

29. Phillips, A.G., Blaha, C.D., Fibiger, H.C. and Lane, R.F. Interactions between mesolimbic dopamine neurons, cholecystokinin and neurotensin: Evidence using in vivo voltammetry. In: *The Mesocorticolimbic Dopamine System*. Annals of the New York Academy of Sciences, Volume 537 (Eds. P. W. Kalivas and C.B Nemeroff) The New York Academy of Sciences, New York, pp. 347-361 (1988).

30. Fibiger, H.C. and Phillips, A.G. Mesocorticolimbic dopamine systems and reward. In: *The Mesocorticolimbic Dopamine System*. Annals of the New York Academy of Sciences, Volume 537 (Eds. P. W. Kalivas and C.B Nemeroff) The New York Academy of Sciences, New York, pp. 206-215 (1988).
31. Blaha, C.D., Phillips, A.G., Fibiger, H.C. and Lane, R.F. Effects of neurotensin on dopamine release in the nucleus accumbens: comparisons with atypical antipsychotic drug action. In: *The Mesocorticolimbic Dopamine System*. Annals of the New York Academy of Sciences, Volume 537 (Eds. P. W. Kalivas and C.B Nemeroff) The New York Academy of Sciences, New York, pp. 478-480 (1988).
32. Phillips, A.G. and Fibiger, H.C. Neuroanatomical bases of intracranial self-stimulation: Untangling the Gordian knot. In: *Neuropharmacological Basis of Reward* (Eds. J.M. Liebman and S.J. Cooper) Oxford University Press, Oxford, pp. 66-105 (1989).
33. Carr, G.D., Fibiger, H.C. and Phillips, A.G. Conditioned place preference as a measure of drug reward. In: *Neuropharmacological Basis of Reward* (Eds. J.M. Liebman and S.J. Cooper) Oxford University Press, Oxford, pp. 264-319 (1989).
34. Semba, K. and Fibiger, H.C. Organization of central cholinergic systems. In: *Progress in Brain Research*, vol. 79 (Eds. Nordberg, A., Fuxe, K. and Holmstedt, B.) Elsevier, Amsterdam, pp. 37-63 (1989).
35. Fibiger, H.C. The dopamine hypothesis of schizophrenia and mood disorders: contradictions and speculations. In: *The Mesolimbic Dopamine System: From Motivation to Action* (Eds. P. Willner and J. Scheel-Kruger) John Wiley and Sons, Chichester, England, pp. 615-637 (1991).
36. Fibiger, H.C., Damsma, G., and Day, J.C. Behavioral pharmacology and biochemistry of central cholinergic neurotransmission. In: *The Basal Forebrain: Anatomy to Function*. (Eds. T.C. Napier, P.W. Kalivas, I. Hanin) Plenum Publishing Corp., New York, pp. 399-414 (1991).
37. Fibiger, H.C. Central cholinergic systems and memory. In: *The Biology of Memory*. Symposia Medica Hoechst 23 (Eds. L.R. Squire and E. Lindenlaub) F.K. Schattauer Verlag, Stuttgart, New York, pp. 381-398 (1990).
38. Fibiger, H.C., Phillips, A.G., and Brown, E.E. The neurobiology of cocaine-induced reinforcement. In: *Cocaine: Scientific and Social Dimensions*. Wiley, Chichester (Ciba Foundation Symposium 166), pp. 96-124 (1992).
39. Reiner, P.B., and Fibiger, H.C. Functional heterogeneity of central cholinergic systems. In: *Psychopharmacology: The Fourth Generation of Progress* (Eds. F.E. Bloom and D.J. Kupfer) Raven Press, New York, pp. 147-153 (1995).
40. Fibiger, H.C. Neurobiology of depression: focus on dopamine. In: *Depression and Mania: From Neurobiology to Treatment*. Volume 49. *Advances in Biochemical*

Psychopharmacology (Eds. G.L. Gessa, W. Fratta, L. Pani and G. Serra) Raven Press, New York, pp. 1-17 (1995).

Christian H. Fibiger
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