

Curriculum Vitae

Peter Bart Reiner

Professor
Department of Psychiatry
Neuroethics Collective
University of British Columbia
2255 Wesbrook Mall, Vancouver, BC

Vital

Date of Birth	26 January 1955
Place of Birth	Nyiregyhaza, Hungary
Citizenship	Canada, USA

Academic Positions

2018 -	Member, Centre for Artificial Intelligence Decision-making and Action
2018 -	Founder, Neuroethics Collective
2007 - 2018	Professor and co-founder, National Core for Neuroethics, University of British Columbia
1999 – 2004	<i>On Leave</i> (President & Chief Executive Officer of Active Pass Pharmaceuticals)
1998 -	Professor, Kinsmen Laboratory of Neurological Research, Department of Psychiatry, University of British Columbia
1997 - 2001	Louise Brown Chair in Neuroscience, University of British Columbia
1995 - 2001	Head, Graduate Program in Neuroscience, University of British Columbia
1995	Visiting Professor, Université de Paris Sud, Le Kremlin Bicêtre, France
1993 -1998	Associate Professor, Kinsmen Laboratory of Neurological Research, Department of Psychiatry, University of British Columbia
1991 -1999	Associate Member, Department of Physiology, University of British Columbia
1988 -1993	Assistant Professor, Kinsmen Laboratory of Neurological Research, Department of Psychiatry, University of British Columbia
1987	Visiting Scientist, Neurophysiologisches Laboratorium, University of Zurich
1984 -1987	Postdoctoral Fellow, Kinsmen Laboratory of Neurological Research Department of Psychiatry, University of British Columbia

Corporate Positions

2004 - 2006	Chairman, Active Pass Pharmaceuticals
1998 - 2004	Founder, President & Chief Executive Officer, Active Pass Pharmaceuticals

Non-profit Positions

2005 – 2015	Director, Galiano Conservancy Association
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Education

1977-1984	Graduate Group in Anatomy University of Pennsylvania Philadelphia, Pennsylvania	Ph.D.
1977-1982	School of Veterinary Medicine University of Pennsylvania Philadelphia, Pennsylvania	V.M.D.
1972-1976	College of Arts & Sciences University of Pennsylvania Philadelphia, Pennsylvania	B.A.

Awards & Honors

1997 - 2001	Louise Brown Chair in Neuroscience, University of British Columbia
1994 - 1999	Scientist Award, Medical Research Council of Canada
1991	University Teaching Prize, Faculty of Graduate Studies, UBC
1989 - 1994	Scholar Award, Medical Research Council of Canada
1988 - 1989	Scholar Award, BC Health Care Research Foundation
1984 - 1987	Postdoctoral Fellowship, Medical Research Council of Canada
1984	Flexner Award for best Ph.D. thesis in Neuroscience, Univ. Penn.
1982	Elected Phi Zeta, Veterinary Honor Society
1977 - 1983	Veterinary Medical Scientist Training Program, University of Pennsylvania

Major Peer Review Committee Service

2000 - 2002	Chair, Biomedical Peer Review Panel, Alzheimer Canada
1999 - 2004	Scientific Advisory Board, Institute for the Study of Aging
1996 - 1999	Member, Biomedical Peer Review Panel, Alzheimer Canada
1996 - 1997	Member, Peer Review Panel, Alzheimer Society of BC
1990 - 1993	Member, MRC Grant Review Committee: Neurosciences A

Major University Committee Service

2014 -	Faculty Advisory Committee, Interdisciplinary Studies Graduate Program
2015 - 2017	International Visiting Scholar Review Committee, Peter Wall Institute for Advanced Studies
2005 - 2011	Early Career Scholar Review Committee, Peter Wall Institute for Advanced Studies
1997 - 1999	Chair, Nominating Committee, Faculty of Graduate Studies
1997 - 1999	Graduate Education Committee, Faculty of Medicine
1995 - 1999	Head, Graduate Program in Neuroscience

Publications

116. Niker F, Felsen G, Nagel S, Reiner PB. Autonomy, Evidence-Responsiveness, and the Ethics of Influence Forthcoming in *Neuroscience and the Future of Freedom of Thought* (M Blitz, JC Bublitz, eds), Palgrave-Macmillan.
115. Aguirre A, Reiner PB, Surden H, Dempsey G. AI Loyalty by Design: A framework for governance of AI. in: Justin Bullock, Baobao Zhang, Yu-Che Chen, Johannes Himmelreich, Matthew Young, Antonin Korinek & Valerie Hudson (eds.). *Oxford Handbook on AI Governance* (Oxford University Press, 2022).
114. Byram AC, Wiebe ER, Trembley-Huet S, Reiner PB. Advance requests for MAiD in dementia: Policy recommendations emerging from a mixed-methods study of the views of the Canadian public and MAiD practitioners, *Canadian Health Policy Journal* (2021). [Preprint available at <https://doi.org/10.1101/2021.03.28.21254508>]
113. Aguirre A, Dempsey G, Surden H, Reiner PB. AI loyalty: A New Paradigm for Aligning Stakeholder Interests *IEEE Transactions Technology Soc* 1, 128–137 (2020).
112. Specker Sullivan L, Reiner PB. Ethics in the digital era: Nothing new? *IEEE IT Professional* <https://doi.org/10.1109/MITP.2020.2964355> (2020).
111. Specker Sullivan L, Reiner PB. Digital Wellness and Persuasive Technologies. *Philosophy & Technology* <https://doi.org/10.1007/s13347-019-00376-5> (2019).
110. Reiner PB, Experimental Neuroethics in *Shaping Children: Ethical and Social Questions that Arise when Enhancing the Young* (SK Nagel, ed) Springer Nature Switzerland pp. 75-83 (2019).
109. Wexler A, Reiner PB. Oversight of Direct-to-Consumer Neurotechnologies. *Science* 363:234-235 (2019).
108. Niker F, Reiner PB, Felsen G, Perceptions of Undue Influence Shed Light on the Folk Conception of Autonomy, *Frontiers in Psychology* doi.org/10.3389/fpsyg.2018.01400 (2018).
107. Nagel SK, Reiner PB, Skillful Use of Technologies of the Extended Mind Illuminate Practical Paths Toward an Ethics of Consciousness, *Frontiers in Psychology* doi.org/10.3389/fpsyg.2018.01251 (2018).
106. Cabrera LY, Reiner PB, A novel sequential mixed-method technique for contrastive analysis of unscripted qualitative data: Contrastive quantitized content analysis. *Sociological Methods and Research* 47: 532-548 (2018).
105. Wexler A, Reiner PB, Home use of tDCS transitions from “do-it yourself” to “direct-to-consumer”. *Routledge Handbook of Neuroethics* (LSM Johnson & K Rommelfenger, eds) pp. 271-284 (2017).
104. Specker J, Schermer M, Reiner PB, Public attitudes towards moral enhancement. Evidence that means matter morally. *Neuroethics* 10:405-417 (2017)
103. Felsen G, Reiner PB, Quantitative anticipatory ethical analysis should inform neurotechnology development. *AJOB Neuroscience* 8:75-76 (2017).
102. Reiner PB, Nagel SK, Technologies of the Extended Mind In: *Neuroethics: Anticipating the Future*, (J. Illes ed.), pp. 108-122 (2017).
101. Fox, KCR, Fitz, NS, Reiner PB, The multiplicity of memory enhancement: Practical and ethical implications of the diverse neural substrates underlying human memory subsystems. *Neuroethics* 10:375-388 (2017).
100. Berryessa C, Chandler J, Reiner PB, Public attitudes towards legally coerced treatment of criminal behavior. *Journal of Law and Biosciences* 3:447-467 (2016).
99. Nagel SK, Hrinco V, Reiner PB, Algorithm anxiety - Do decision-making algorithms pose a threat to autonomy? *Proceedings of IEEE Ethics* (2016).
98. Niker F, Reiner PB, and Felsen G, Pre-authorization: A novel decision-making heuristic that may promote autonomy. *American Journal of Bioethics* 5:27-28 (2016).
97. Fitz NS, Reiner PB, Time to expand the mind. *Nature* 531:S9 (2016).

96. Niker F, Reiner PB, Felsen G, Updating our selves: synthesizing philosophical and neurobiological perspectives on incorporating new information into our worldview. *Neuroethics* DOI 10.1007/s12152-015-9246-3 (2015).
95. Fitz NS, Reiner PB, The challenge of crafting policy for DIY brain stimulation. *Journal of Medical Ethics* 41:410-412 (2015) [See also resultant editorial in *Nature* 498:271-272]
94. Robillard JM, Illes J, Arcand M, Beattie, BL, Hayden S, Lawrence P, McGrenere J, Reiner PB, Wittenberg D, Jacova C., Scientific and ethical features of online tests for Alzheimer Disease *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring* 1:281-288 (2015).
93. Felsen G, Reiner PB, What can neuroscience contribute to the debate over nudging? *Review of Philosophy and Psychology* 6: 469-479 doi:10.1007/s13164-015-0240-9 (2015).
92. Cabrera LY, Reiner PB, Understanding public (mis)understanding of tDCS for enhancement, *Frontiers in Integrative Neuroscience* doi:10.3389/fnint.2015.00030 (2015).
91. Cabrera LY, Fitz NS, Reiner PB, Reasons for comfort and discomfort with pharmacological enhancement of cognitive, affective, and social domains. *Neuroethics* 8:93-106 (2015).
90. Cabrera LY, Fitz NS, Reiner PB, Empirical support for the moral salience of the therapy-enhancement distinction in the debate over cognitive, affective and social enhancement. *Neuroethics* 8: 243-256 (2015).
89. Byram A, Reiner PB, Shifting one's worldview to neurocentrism may be troubling, but the evidence that this is the cause of maladaptation in DBS patients is lacking, *AJOB Neuroscience* 5:4, 42-44, doi: 10.1080/21507740.2014.953272. (2014)
88. Fitz NS, Reiner PB, Buttressing regulation of cognitive enhancement devices with principles of harm reduction, *Journal of Law and the Biosciences* 1:322-327 doi:10.1093/jlb/lisu018 (2014).
87. Illes J, Reiner PB. Advances in Ethics for the Neuroscience Agenda. In: Zigmond MJ, Rowland LP, Coyle JT, eds. *Neurobiology of Brain Disorders: Biological Basis of Neurological and Psychiatric Disorders*. Academic Press; 2015:735–747 (2014).
86. Franke, AG, Papenburg C, Schotten E, Reiner PB, Lieb K., Attitudes towards prescribing cognitive enhancers among primary care physicians in Germany, *BMC Family Practice* 15:3 (2014).
85. Fitz NS, Reiner PB, The Perils of Using Electrical Stimulation to Change Human Brains, in: *The Stimulated Brain* (R. Cohen Kadosh, ed.) Elsevier, pp. 61-84 (2014).
84. Fitz NS, Nadler R, Manogaran P, Chong E, Reiner PB, Public attitudes towards cognitive enhancement, *Neuroethics* 7:173-188 (2014).
83. Felsen G, Reiner PB. Having the capacity for autonomy is insufficient to provide meaningful autonomy, *AJOB Neuroscience* 4:52–3 (2013).
82. Reiner, PB. How reliable are intuitions of fairness? in: *Explorations of Fairness* (J. Sarra, ed.), Carswell Press, pp. 71-76 (2013).
81. Reiner PB, Comment on “Can transcranial electrical stimulation improve learning difficulties in atypical brain development? A future possibility for cognitive training” by Krause and Cohen Kadosh, *Developmental Cognitive Neuroscience* 6:195-196 (2013)
80. Felsen G, Castelo N, Reiner PB. Decisional enhancement and autonomy: Public attitudes towards overt and covert nudges, *Judgment & Decision Making* 8:202-213 (2013).
79. Nagel, S, Reiner PB, Autonomy support to foster individual's flourishing. *American Journal of Bioethics* 13: 36-37 (2013).
78. Cabrera L, Reiner PB, The emotional impact of 'study drugs': unsurprising and unconvincing. *AJOB Neuroscience* 4:20-21 (2013).
77. Forlini C, Hall W, Maxwell B, Outram SM, Reiner PB, Repantis D, Schermer M, Racine E, Navigating the enhancement landscape, *EMBO Journal* 14:123-128 (2013).

76. Reiner, PB. Biopolitics of cognitive enhancement, in: *Cognitive Enhancement - An Interdisciplinary Perspective*, (E. Hildt & A. Franke, eds.), Springer, pp. 189-200 (2013).
75. Reiner, PB. The modern debate over cognitive enhancement. *INK* 1:18-20 (2012).
74. Castelo N, Reiner PB, Felsen G. Balancing autonomy and decisional enhancement: an evidence based approach, *American Journal of Bioethics* 12:30-31 (2012).
73. Felsen G, Reiner PB. How the neuroscience of decision making informs our conception of autonomy, *AJOB Neuroscience* 2:3-14 (2011).
72. Buchman DZ, Illes J, Reiner PB. The paradox of addiction neuroscience, *Neuroethics* 4: 65-77 (2011).
71. Reiner PB, The rise of neuroessentialism. In: *Oxford Handbook of Neuroethics*, J. Illes & B. Sahakian, eds. pp. 161-175 (2011).
70. Nadler, R, Reiner PB, Prototypes or Pragmatics? The Open Question of Public Attitudes Toward Enhancement. *AJOB Neuroscience* 2:49-50 (2011).
69. Banjo OC, Nadler, R, Reiner PB, Physician attitudes to cognitive enhancement: safety concerns are paramount. *PLoS One* 5:1-8 (2010). doi:10.1371/journal.pone.0014322
68. Felsen G, Whiteley L, Nadler R, Reiner PB. Neuroscience evidence *should* be incorporated into our ethical practices. *American J Bioethics – Neuroscience* 1:36-38 (2010).
67. Reiner PB, Distinguishing between restoration and enhancement in neuropharmacology, *Virtual Mentor* 12: 885-888 (2010).
66. Nadler, R, Reiner PB, A call for data to inform discussion on cognitive enhancement. *BioSocieties* 5:481-482 (2010).
65. Buchman DZ, Reiner PB, Stigma and addiction: being and becoming, *American J Bioethics – Neuroscience* 9:18-19 (2009).
64. Reiner PB, Unintended benefits arising from cell-based interventions for neurological conditions. *American J Bioethics – Neuroscience*, 9:51–52 (2009).
63. Murphy ER, Illes, J, Reiner PB, Neuroethics of neuromarketing, *J Consumer Behav* 7: 293–302 (2008).
62. Chen ZJ, Vulevic B, Ile KE, Soulika A, Davis W, Reiner PB, Connop BP, Nathwani P, Trojanowski JQ, Tew KD, Association of ABCA2 expression with determinants of Alzheimer's disease. *FASEB J* 18:1129-1131 (2004).
61. Reiner, PB, Le Bihan, S, Identification of brain-expressed ABC transporters that may mediate detachment of β -amyloid from biological membranes, in: *Drug Discovery and Development for Alzheimer's disease*, HM Fillit, AW O'Connell (eds), Springer, pp. 67-73 (2002).
60. Kohlmeier, KA, Burns J, Reiner, PB, Semba, K, Substance P in the descending cholinergic projection to REM sleep-induction regions of the rat pontine reticular formation: anatomical and electrophysiological analyses, *Eur J Neurosci* 15:176-196 (2002).
59. Lam, FC, Liu R, Lu P, Shapiro AB, Renoir J-M, Sharom FJ, Reiner PB, β -amyloid efflux mediated by P-glycoprotein, *J Neurochem* 76:1121-1128 (2001).
58. El-Husseini AE-D, Williams J, Reiner PB, Pelech S, Vincent SR, Localization of the cGMP-dependent protein kinases in relation to nitric oxide synthase in the brain, *J Chem Neuroanat* 17:45-55 (1999).
57. Mills JA, Reiner PB, MAP kinase is involved in NMDA regulation of APP cleavage, *Neurosci* 94:1333-8 (1999).
56. Kohlmeier KA, Reiner PB, Noradrenaline excites non-cholinergic LDT neurons via two distinct mechanisms, *Neurosci* 93:619-30 (1999).
55. Connop BP, Thies RL, Beyreuther K, Ida N, Reiner PB, Novel effects of FCCP [carbonyl cyanide p-(trifluoromethoxy)phenylhydrazone] on amyloid precursor protein processing, *J Neurochem* 72:1457-1465 (1999).

54. Kohlmeier KA, Reiner PB, Vasoactive intestinal peptide excites medial pontine reticular formation neurons in the brainstem rapid eye movement sleep-induction zone, *J Neurosci* 19:4073-4081 (1999).
53. von Krosigk M, Monckton J, Reiner PB, McCormick DA, Dynamic properties of corticothalamic excitatory postsynaptic potentials and thalamic reticular inhibitory postsynaptic potentials in thalamocortical neurons of the guinea-pig dorsal lateral geniculate nucleus. *Neurosci* 91:7-20 (1999).
52. Mills JA, Reiner PB, Regulation of amyloid precursor protein cleavage. *J Neurochem* 72: 443-460 (1999).
51. Hussein AE-D, Bladen C, Williams JA, Reiner PB, Vincent SR, Nitric oxide regulates cyclic GMP-dependent protein kinase phosphorylation in rat brain. *J Neurochem* 71:676-683 (1998).
50. Vincent SR, Williams JA, Reiner PB, El-Husseini AE-D, Monitoring NO release *in vivo* in cerebellum, thalamus and hippocampus, *Prog Brain Res* 118:27-35 (1998).
49. Mills J, Charest DL, Lam F, Beyreuther K, Ida N, Pelech SL, Reiner PB, Regulation of amyloid precursor protein catabolism involves the mitogen-activated protein kinase signal transduction pathway. *J Neurosci* 17:9415-9422 (1997).
48. Williams JA, Vincent SR, Reiner PB, Measurement of nitric oxide in brain using the hemoglobin trapping technique coupled with *in vivo* microdialysis, in: *Molecular Regulation of Conscious States* (R. Lydic, ed) CRC Press:Boca Raton, 1997, pp.201-212.
47. Williams JA, Vincent SR, Reiner PB, Regulation of nitric oxide production in rat thalamus by behavioral state, local depolarization, and brainstem stimulation, *J Neurosci* 17: 420-427 (1997).
46. Mills J, Reiner PB, Phorbol esters but not the cholinergic agonists oxotremorine-M or carbachol increase release of the amyloid precursor protein in cultured rat cortical neurons, *J Neurochem* 67:1511-1518 (1996).
45. Gorelova N, Reiner PB, Histamine depolarizes cholinergic septal neurons, *J Neurophysiol* 75:707-714 (1996).
44. Gorelova N, Reiner PB, Role of the afterhyperpolarization in control of discharge properties of septal cholinergic neurons *in vitro*, *J Neurophysiol* 75:695-706 (1996).
43. Reiner PB, Are mesopontine cholinergic neurons either necessary or sufficient components of the ascending reticular activating system? *Sem Neurosci* 7:355-359 (1995).
42. Reiner PB & Fibiger HC, Functional heterogeneity of central cholinergic systems. in: FE Bloom & DJ Kupfer (eds), *Psychopharmacology: The Fourth Generation of Progress*, pp. 147-153 (1995).
41. Puil E, Hutcheon B, Reiner PB, Isoflurane inhibits calcium currents in cortical neurons, *Neurosci Lett*, 176:63-6, (1994).
40. Williams JA, Comisarow J, Day J, Fibiger HC, Reiner PB, State-dependent release of acetylcholine in rat thalamus measured by *in vivo* microdialysis, *J Neurosci* 14:5236-5242 (1994).
39. Reiner PB & Kamondi A, Mechanisms of antihistamine induced sedation in the human brain: H₁ receptor activation reduces a background leakage potassium current, *Neurosci* 59:579-588 (1994).
38. Doll CJ, Hochachka PW, Reiner PB, Reduced ionic conductance in the turtle brain. *Am J Physiol* 265:R929-R933 (1993).
37. Williams JA & Reiner PB, Noradrenaline hyperpolarizes identified mesopontine cholinergic neurons *in vitro*, *J Neurosci* 13:3878-3883 (1993).
36. Snutch T & Reiner PB, Calcium channels: diversity and function. *Current Opinion in Neurobiol* 2:247-253 (1992).
35. Kamondi A, Williams JA, Hutcheon B & Reiner PB, Membrane properties of mesopontine cholinergic neurons studied with the whole-cell patch clamp technique: implications for behavioral state control, *J Neurophysiol* 68:1359-1372 (1992).
34. Luebke JI, Greene RW, Semba K, Kamondi A, McCarley RW & Reiner PB, Serotonin hyperpolarizes cholinergic low threshold burst neurons in the laterodorsal tegmental nucleus *in vitro*, *Proc Natl Acad Sci (USA)* 89:743-747 (1992).

33. Doll CJ, Hochachka PJ & Reiner PB, Channel arrest: implications from membrane resistance in turtle neurons, *Am J Physiol* 261:R1321-R1324 (1991).
32. Kamondi A & Reiner PB, Hyperpolarization activated inward current in histaminergic tuberomammillary neurones of the rat hypothalamus, *J Neurophysiol* 66:1902-1911 (1991).
31. Haas HL, Reiner PB & Greene RW, Histaminergic and histaminoceptive neurones: electrophysiological studies in vertebrates, in: *Histaminergic Neurons: Morphology & Functions*, T Watanabe & H Wada (Eds), CRC Press, Boston, 1991, pp 196-208.
30. Doll CJ, Hochachka PJ & Reiner PB, Effects of anoxia and pharmacological ischemia on turtle and rat cortical neurons, *Am J Physiol* 260:R747-R755 (1991).
29. Reiner PB, Laycock AG & Doll CJ, A pharmacological model of ischemia in the hippocampal slice, *Neurosci Lett* 119:175-178 (1990).
28. Semba K, Reiner PB & Fibiger HC, Single mesopontine cholinergic neurons project to the thalamus and medial pontine reticular formation in the rat, *Neurosci* 38:643-654 (1990).
27. Cumming P, Reiner PB & Vincent SR, 9-amino-1,2,3,4-tetrahydroacridine (THA) is a potent inhibitor of rat brain histamine-N-methyltransferase, *Biochem Pharmacol* 40:1345-1350 (1990).
26. Vincent SR, Hope BT, Drinnan S & Reiner PB, G-protein mRNA expression in immunohistochemically identified dopaminergic and noradrenergic neurons in rat brain, *Synapse* 6:23-32 (1990).
25. Greene RW, Haas HL & Reiner PB, Two transient outward currents in histamine neurones of the rat hypothalamus *in vitro*, *J Physiol (Lond)* 420:149-163 (1990).
24. Semba K, Reiner PB, McGeer EG & Fibiger HC, Brainstem-projecting neurons in the rat basal forebrain: neurochemical, topographical and physiological distinctions from cortically-projecting cholinergic neurons, *Brain Res Bull* 22:501-509 (1989).
23. Haas HL, Greene RW & Reiner PB, The brain histamine system *in vitro*, *J Neurosci Meth* 28:71-75 (1989).
22. Reiner PB & McGeer EG, THA increases action potential duration of central histamine neurons *in vitro*, *Eur J Pharmacol* 155:265-270 (1988).
21. Reiner PB, Semba K, McGeer EG & Fibiger HC, Ontogeny of histidine decarboxylase immunoreactive neurons of the rat tuberomammillary nucleus: time of origin and development of transmitter phenotype, *J Comp Neurol* 276:304-311 (1988).
20. Vincent SR & Reiner PB, A population of very small striatal neurons in the cat displays vasoactive intestinal polypeptide immunoreactivity, *Neurosci Lett* 89:277-282 (1988).
19. Reiner PB, Heimrich B, Keller F & Haas HL, Organotypic culture of central histamine neurons, *Brain Res* 442:166-170 (1988).
18. Haas HL & Reiner PB, Membrane properties of histaminergic tuberomammillary neurones of the rat hypothalamus *in vitro*, *J Physiol (Lond)* 399:633-646 (1988).
17. Semba K, Reiner PB, McGeer EG & Fibiger HC, Non-cholinergic basal forebrain neurons project to the contralateral basal forebrain in the rat, *Neurosci Lett* 84:23-28 (1988).
16. Semba K, Reiner PB, McGeer EG & Fibiger HC, Brainstem afferents to the cholinergic basal forebrain: a retrograde transport, immunohistochemical and electrophysiological study in the rat, *J Comp Neurol* 267:433-453 (1988).
15. Tago H, Reiner PB & McGeer EG, Coupled intracellular horseradish peroxidase-monoamine oxidase histochemistry: description of the technique and its application to the study of physiologically identified tuberomammillary neurons, *J Neurosci Meth* 20:271-281 (1987).

14. Reiner PB, Semba K, Watanabe T & Wada H, *En bloc* immunohistochemistry reveals extensive distribution of L-histidine decarboxylase immunoreactive neurons on the ventral surface of the hypothalamus, *Neurosci Lett* 77:137-142 (1987).
13. Reiner PB & McGeer EG, Electrophysiological properties of cortically projecting histamine neurons of the rat hypothalamus. *Neurosci Lett* 73:43-47 (1987).
12. Reiner PB & Vincent SR, Topographic relations of cholinergic and noradrenergic neurons in the feline pontomesencephalic tegmentum: an immunohistochemical study, *Brain Res Bull* 19:705-714 (1987).
11. Vincent SR, McIntosh CHS, Reiner PB & Brown JC, Somatostatin immunoreactivity in the adrenal medulla: localization and characterization, *Histochemistry* 87:483-486 (1987).
10. Vincent SR & Reiner PB, The immunohistochemical localization of choline acetyltransferase in the cat brain. *Brain Res Bull* 18:371-415 (1987).
9. Semba K, Reiner PB, McGeer EG & Fibiger HC, Morphology of cortically-projecting basal forebrain neurons in the rat as revealed by intracellular iontophoresis of horseradish peroxidase. *Neurosci* 20:637-651 (1987).
8. Reiner PB, Semba K, Fibiger HC & McGeer EG, Physiological evidence for subpopulations of cortically-projecting basal forebrain neurons in the anesthetized rat. *Neurosci* 20:629-636 (1987).
7. Cumming P, von Krosigk M, Reiner PB, McGeer EG & Vincent SR, Absence of adrenaline neurones in the guinea pig brain: a combined immunohistochemical and high performance liquid chromatography study. *Neurosci Lett* 63:125-130 (1986).
6. Reiner PB & Vincent SR, The distribution of tyrosine hydroxylase, dopamine-beta-hydroxylase and phenylethanolamine-N-methyltransferase immunoreactive neurons in the feline medulla oblongata. *J Comp Neurol* 248:518-531 (1986).
5. Reiner PB, Correlational analysis of central noradrenergic neuronal activity and sympathetic tone in behaving cats. *Brain Res* 378:86-96 (1986).
4. Reiner PB, Clonidine inhibits central noradrenergic neurons in unanesthetized cats. *Eur J Pharmacol* 115:249-257 (1985).
3. Morrison AR & Reiner PB, A dissection of paradoxical sleep, in: DJ McGinty, AR Morrison, R Drucker-Colin & PL Parmeggiani (Eds), *Brain Mechanisms of Sleep*, Raven Press, New York, 1984, pp 97-110.
2. Reiner PB, Woolsey J, Adler NT & Morrison AR, A gross anatomical study of the peripheral nerves associated with reproductive function in the female albino rat. in: NT Adler (Ed) *Neuroendocrinology of Reproduction*, Plenum Press, New York, 1981, pp 545-557.
1. Reiner PB & Morrison AR, Pontine-geniculate-occipital spikes in the albino rat: evidence for the presence of the pontine component as revealed by cerebellar lesions. *Exp Neurol* 69:61-73 (1980).

Patents

4. Reiner PB, Connop, BC, Pollard, M, Regulation of amyloid precursor protein expression by modulation of ABC transporter expression or activity, PCT WO02064781 (2001).
3. Connop BC, Grant A, MacDonald D, Nathwani PS, Reiner PB, Zhang Z, Compounds, compositions and methods for modulating beta-amyloid production, PCT WO02100836A2 (2001).
2. Reiner PB & Connop BC, Method and composition for modulating amyloidosis, US Patents 5,981,168; 6,221,667; 6,472,145 (1998).
1. Reiner PB & Lam FC-L, Method and composition for modulating amyloidosis, US Patents 6,514,686; 6,660,725 (1998).

Book Reviews

2. Reiner, PB, Review of Sternberg, E., *My Brain Made Me Do It*. in: *Journal of Bioethical Inquiry* 8:299-300 (2011).

1. Reiner, PB, Review of Doidge, N, *The Brain that Changes itself*, in: *American J Bioethics*, 8: 62–63 (2008).