

References

- Adams JC, Warr WB (1976) Origins of axons in the cat's acoustic striae determined by injection of horseradish peroxidase into severed tracts. *J. Comp. Neurol.*, 170, 107-122.
- Afsharpour S (1985) Light microscopic analysis of Golgi-impregnated rat subthalamic neurons. *J. Comp. Neurol.*, 236, 1-13.
- Albe-Fessard D, Stutinsky F, Libouban S (1966) *Atlas Stéréotaxique du Diencéphale du Rat Blanc*. Editions du Centre National de la Recherche Scientifique, Paris.
- Alheid GF, Heimer L (1988) New perspectives in basal forebrain organization of special relevance for neuropsychiatric disorders: the striatopallidal, amygdaloid, and corticopetal components of substantia innominata. *Neurosci.*, 27, 1-39.
- Allen GV, Hopkins DA (1988) Mamillary body in the rat: a cytoarchitectonic, Golgi, and ultrastructural study. *J. Comp. Neurol.*, 275, 39-64.
- Allen GV, Hopkins DA (1990) Topography and synaptology of mamillary body projections to the mesencephalon and pons in the rat. *J. Comp. Neurol.*, 301, 214-231.
- Allen WF (1923) Origin and distribution of the tractus solitarius in the guinea pig. *J. Comp. Neurol.*, 35, 171-204.

Altschuler SM, Ferenci DA, Lynn RB, Miselis RR (1991) Representation of the cecum in the lateral dorsal motor nucleus of the vagus nerve and commissural subnucleus of the nucleus tractus solitarii in rat. *J. Comp. Neurol.*, 304, 261-274.

Alvarez-Bolado G, Rosenfeld G, Swanson LW (1995) Model of forebrain regionalization based on spatiotemporal patterns of POU-III homeobox gene expression, birthdates, and morphological features. *J. Comp. Neurol.*, 355, 237-295.

Alvarez-Bolado G, Swanson LW (1996) *Developmental Brain Maps: Structure of the Embryonic Rat Brain*. Elsevier, Amsterdam.

Ambach G, Horvath S, Palkovits M (1975) The arterial and venous blood supply of the septum pellucidum in the rat. *Acta Morphol.*, 23, 133-144.

Ambach G, Palkovits M (1979) The blood supply of the hypothalamus in the rat. In: Morgane PJ, Panskepp J (Eds.), *Handbook of the Hypothalamus. Vol. 1, Anatomy of the Hypothalamus*, pp. 267-377. Marcel Dekker, New York.

Anderson CR, McLachlan EM, Srb-Christie O (1989) Distribution of sympathetic preganglionic neurons and monoaminergic nerve terminals in the spinal cord of the rat. *J. Comp. Neurol.*, 283, 269-284.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Andrezik JA, Beitz AJ (1985) Reticular formation, central gray and related tegmental nuclei. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 2, Hindbrain and Spinal Cord*, pp. 1-28. Academic Press, New York.

Andrezik JA, Chan-Palay V, Palay SL (1981) The nucleus paragigantocellularis lateralis in the rat. *Anat. Embryol.*, 161, 355-371.

Aranzi GC (1587) *De Humano Foetu ... Eiusdem Anatomicarum Observationum Liber*. Carampellum, Venice (first published 1564, Bologna).

Ariëns Kappers CU (1909) The phylogenesis of the palaeocortex and archicortex compared with the evolution of the visual neocortex. *Arch. Neurol. Psychiat. (Chic.)*, 4, 161-173.

Ariëns-Kappers J (1960) The development, topographical relations and innervation of the epiphysis cerebri in the albino rat. *Z. Zellforsch. Mikrosk. Anat.*, 52, 163-215.

Arnault P, Roger M (1990) Ventral temporal cortex in the rat: connections of secondary auditory areas Te2 and Te3. *J. Comp. Neurol.*, 302, 110-123.

Arnold F (1838) *Bemerkungen über den Bau des Hirns und Rückenmarks*. Höhr, Zürich.

Arriza JL, Simerly RB, Swanson LW, Evans RM (1988) The neuronal mineralocorticoid receptor as a mediator of glucocorticoid response. *Neuron*, 1, 887-900.

Arvidsson J, Pfaller K (1990) Central projections of C4-C8 dorsal root ganglia in the rat studied by anterograde transport of WGA-HRP. *J. Comp. Neurol.*, 292, 349-362.

Auerbach L (1864) Feinere vorläufige Mittheilung über den Nervenapparat des Darmes. *Arch. f. pathol. Anat. u. Physiol.*, 30, 457-460.

Azizi SA, Burne RA, Woodward DJ (1985) The auditory corticopontocerebellar projection in the rat: inputs to the paraflocculus and midvermis. An anatomical and physiological study. *Exp. Brain Res.*, 59, 36-49.

Azizi SA, Woodward DJ (1987) Inferior olivary nuclear complex of the rat: morphology and comments on the principles of organization within the olivocerebellar system. *J. Comp. Neurol.*, 263, 467-484.

Baer, KEv (1828-1837) *Über Entwicklungsgeschichte der Thiere. Beobachtung und Reflexion, Bornträger*. Koch, Königsberg.

Baker ML, Giesler Jr GJ (1984) Anatomical studies of the spinocervical tract of the rat. *Somatosensory Res.*, 2, 1-18.

Balogh C (1860) Über das Jacobsonsche Organ des Schafes. S.-B. *Akad. Wiss. Wien, math.-nat. Kl.*, 7, 595-597.

Banister, J (1969) *The History of Man....* Facsimile of the 1578 London edition. De Capo, Amsterdam.

Barmak NH, Fredette BJ, Mugnaini E (1998) Parasolitary nucleus: a source of GABAergic vestibular information to the inferior olive of rat and rabbit. *J. Comp. Neurol.*, 392, 352-372.

Barnett SA (1963) *The Rat. A Study in Behaviour*. Aldine, Chicago.

Baron R, Jänig W, Kollmann W (1988) Sympathetic and afferent somata projecting in hindlimb nerves and the anatomical organization of the lumbar sympathetic nervous system of the rat. *J. Comp. Neurol.*, 275, 460-468.

Baron R, Jänig W (1991) Afferent and sympathetic neurons projecting into lumbar visceral nerves of the male rat. *J. Comp. Neurol.*, 314, 429-436.

Barrington FJT (1925) The effect of lesion of the hind- and midbrain on micturition in the cat. *Quart. J. Exptl. Physiol.*, 15, 81-102.

Bebin J (1956) The central tegmental bundle. An anatomical and experimental study in the monkey. *J. Comp. Neurol.*, 105, 287-332.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Bechterew W von (1885a) Zur Anatomie der Schenkel des Kleinhirns, insbesondere der Brückenarme. *Neurol. Zbl.* 4, 121-125.

Bechterew W von (1885b) Ueber die innere Abtheilung des Strickkörpers und den achten Hirnnerven. *Neurol. Zbl.*, 4, 145-147.

Bechterew W von (1885c) Über die Schleifenschicht. *Neurol. Zbl.*, 4, 356-359.

Bechterew W von (1899) *Die Leitungsbahnen im Gehirn und Rückenmark*, 2nd edn. Besold, Leipzig.

Beitz AJ (1985) The midbrain periaqueductal gray in the rat. I. Nuclear volume, cell number, density, orientation, and regional subdivisions. *J. Comp. Neurol.*, 237, 445-459.

Berendse HW, Groenewegen HJ (1991) Restricted cortical termination fields of the midline and intralaminar thalamic nuclei in the rat. *Neurosci.*, 42, 73-102.

Berman AL (1968) *The Brain Stem of the Cat: A Cytoarchitectonic Atlas with Stereotaxic Coordinates*. Univ. Wisconsin Press, Madison.

Berman AL, Jones EG (1982) *The Thalamus and Basal Telencephalon of the Cat: A Cytoarchitectonic Atlas with Stereotaxic Coordinates*. Univ. Wisconsin Press, Madison.

Bickford ME, Hall WC (1989) Collateral projections of predorsal bundle cells of the superior colliculus in the rat. *J. Comp. Neurol.*, 283, 86-106.

Bieger D, Hopkins DA (1987) Viscerotopic representation of the upper alimentary tract in the medulla oblongata in the rat: the nucleus ambiguus. *J. Comp. Neurol.*, 262, 546-562.

Bielschowsky M (1892) Die Silberimprägnation der Achsenzyylinder. *Neurol. Zbl.*, 21, 579-584.

Billings-Gagliardi S, Chan-Palay V, Palay SL (1974) A review of lamination in area 17 of the visual cortex of *Macaca mulatta*. *J Neurocytol.*, 3, 619-629.

Bischoff E (1899) Zur Anatomie der Hinterstrangkerne bei Säugethieren. *Jb. Psychiat. Neurol.*, 18, 371-384.

Björklund A, Lindvall O (1984) Dopamine-containing systems in the CNS. In: Björklund A, Hökfelt T (Eds.), *Handbook of Chemical Neuroanatomy*, Vol. 2: *Classical Transmitters in the CNS, Part I*, pp. 55-122. Elsevier, New York.

Blackstad TW (1956) Commissural connections of the hippocampal region in the rat, with special reference to their mode of termination. *J. Comp. Neurol.*, 105, 417-538.

Bledsoe Jr SC, Snead CR, Helfert RH, Prasad V, Wenthold RJ, Altschuler RA (1990) Immunocytochemical and lesion studies support the hypothesis that the projection from the

medial nucleus of the trapezoid body to the lateral superior olive is glycinergic. *Brain Res.*, 517, 189-194.

Bleier R, Cohn P, Siggelkow IR (1979) A cytoarchitectonic atlas of the hypothalamus and hypothalamic third ventricle of the rat. In: Morgane PJ, Panksepp J (Eds.), *Handbook of the Hypothalamus, Vol. 1: Anatomy of the Hypothalamus*, pp. 137-220. Marcel Dekker, New York.

Blumenau L (1891) Ueber den aeusseren Kern des Keilstranges im verlängerten Mark. *Neurol. Centralbl.*, (Leipz.) 10, 226-232.

Bojsen-Møller F (1975) Demonstration of terminalis, olfactory, trigeminal and perivascular nerves in the rat nasal septum. *J. Comp. Neurol.*, 159, 245-256.

Bowker RM, Abbott LC (1990) Quantitative re-evaluation of descending serotonergic and non-serotonergic projections from the medulla of the rodent: evidence for extensive co-existence of serotonin and peptides in the same spinally projecting neurons, but not from the nucleus raphe magnus. *Brain Res.*, 512, 15-25.

Brichta AM, Callister RJ, Peterson EH (1987) Quantitative analysis of cervical musculature in rats: histochemical composition and motor pool organization. I. Muscles of the spinal accessory complex. *J. Comp. Neurol.*, 255, 351-368.

Brichta AM, Grant G (1985) Cytoarchitectural organization of the spinal cord. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 2, Hindbrain and Spinal Cord*, pp. 293-301. Academic Press, New York.

Brischoux F, Fellman D, Risold PY (2001) Ontogenetic development of the diencephalic MCH neurons: a hypothalamic “MCH area” hypothesis. *Eur. J. Neurosci.*, 13, 1733-1744.

Brittain DA (1988) The efferent connections of the infralimbic area in the rat. Dept. Neurosci., Univ. California San Diego, PhD thesis.

Broberger C, de Lecea L, Sutcliffe JG, Hökfelt T (1998) Hypocretin/orexin- and Melanin-concentrating hormone expressing cells form distinct populations in the rodent lateral hypothalamus: relationship to the neuropeptide Y and Agouti gene-related protein systems. *J. Comp. Neurol.*, 402, 460-474.

Broca PP (1879) Recherches sur les centres olfactifs. *Rev. Anthropol. (Paris)*, 2, 385-455.

Brodal A (1952) Experimental demonstration of cerebellar connexions from the peri-hypoglossal nuclei (nucleus intercalatus, nucleus praepositus hypoglossi and nucleus of Roller) in the rat. *J. Anat.*, 86, 110-129.

Brodal A (1957) *The Reticular Formation of the Brain Stem. Anatomical Aspects and Functional Correlations*. Henderson Trust Lecture. Oliver and Boyd, Edinburgh.

Brodal A (1983) The perihypoglossal nuclei in the Macaque monkey and chimpanzee. *J. Comp. Neurol.*, 218, 257-269.

Brodal A, Pompeiano O (1957) The vestibular nuclei in the cat. *J. Anat. (Lond.)*, 91, 438-454.

Brodmann K (1909) *Vergleichende Localisationslehre der Grosshirnrinde in ihren Prinzipien dargestellt auf Grund des Zellenbaues*. Barth, Leipzig.

Broman J, Blomqvist A (1989) Substance P-like immunoreactivity in the lateral cervical nucleus of the owl monkey (*Aotus trivirgatus*): a comparison with the cat and rat. *J. Comp. Neurol.*, 289, 111-117.

Brown JO (1943) The nuclear pattern of the non-tectal portions of the midbrain and isthmus in the dog and cat. *J. Comp. Neurol.*, 78, 365-405.

Brown JO (1966) The morphology of circulus arteriosus cerebri in rats. *Anat. Rec.*, 156, 99-106.

Brown LT (1974) Corticorubral projections in the rat. *J. Comp. Neurol.*, 154, 149-168.

Bucher VM, Nauta WJH (1954) A note on the pretectal cell groups in the rat's brain. *J. Comp. Neurol.*, 100, 287-295.

Swanson, L.W. (2004) *Brain maps: structure of the rat brain*, 3rd edition

Burdach KF (1819-26) *Vom Baue und Leben des Gehirns*. 3 vols. Dyk, Leipzig.

Burstein R, Cliffer KD, Giesler Jr GJ (1987) Direct somatosensory projection from the spinal cord to the hypothalamus and telencephalon. *J. Neurosci.*, 7, 4159-4164.

Burstein R, Cliffer KD, Giesler Jr GJ (1990b) Cells of origin of the spinohypothalamic tract in the rat. *J. Comp. Neurol.*, 291, 329-344.

Burstein R, Dado RJ, Giesler Jr GJ (1990a) The cells of origin of the spinothalamic tract of the rat: a quantitative reexamination. *Brain Res.*, 511, 329-337.

Burstein R, Giesler GJ Jr (1989) Retrograde labeling of neurons in the spinal cord that project directly to the nucleus accumbens or the septal nuclei in the rat. *Brain Res.*, 497, 149-154.

Burwell RD (2001) Borders and cytoarchitecture of the perirhinal and postrhinal cortices in the rat. *J. Comp. Neurol.*, 437, 17-41.

Byrum CE, Stornetta R, Guyenet PG (1984) Electrophysiological properties of spinally-projecting A5 noradrenergic neurons. *Brain Res.*, 303, 15-29.

Caicedo A, Herbert H (1993) Topography of descending projections from the inferior colliculus to auditory brainstem nuclei in the rat. *J. Comp. Neurol.*, 328:377-392.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Cajal S Ramón y (1891) Pequeñas comunicaciones técnicas. *Rev. trim. microgr.*, 5.

Cajal S Ramón y (1901-1902) Estudios sobre la corteza cerebral human. *Trab. Inst. Cajal. Invest. biol.*, 1, 1-227.

Cajal S Ramón y (1903) Estudios talámicos. *Trab. Inst. Cajal Invest. biol.*, 2, 31-69.

Cajal S Ramón y (1904) *Textura del Sistema Nervioso del Hombre y de los Vertebrados*, Vol. 2, Part 2. Moya, Madrid.

Cajal S Ramón y (1995) *Histology of the Nervous system of Man and Vertebrates*. Translated from the French by Swanson N and Swanson LW. Oxford University Press, New York.

Calleja DC (1893) La région olfattoria del cerebro. *An. Soc. españ. hist. nat. (Madrid)*, 2, 2-14 (Acta).

Campbell G, Lieberman AR (1985) The olfactory pretectal nucleus: experimental anatomical studies in the rat. *Phil. Trans. R. Soc. Lond., B* 310, 573-609.

Campbell NC, Armstrong DM (1983) The olivocerebellar projection in the rat: an autoradiographic study. *Brain Res.*, 275, 215-233.

Campbell SK, Parker TD, Welker W (1974) Somatotopic organization of the external cuneate nucleus in albino rats. *Brain Res.*, 77, 1-23.

Canteras NS, Goto M (1999) Connections of the precommissural nucleus. *J. Comp. Neurol.*, 408, 23-45.

Canteras NS, Shammah-Lagnado SJ, Silva BA, Ricardo JA (1990) Afferent connections of the subthalamic nucleus: a combined retrograde and anterograde horseradish peroxidase study in the rat. *Brain Res.*, 513, 43-59.

Canteras NS, Simerly RB, Swanson LW (1992a) The connections of the posterior nucleus of the amygdala. *J. Comp. Neurol.*, 324, 143-179.

Canteras NS, Simerly RB, Swanson LW (1992b) The projections of the ventral premammillary nucleus. *J. Comp. Neurol.*, 324, 195-212.

Canteras NS, Simerly RB, Swanson LW (1994) Organization of projections from the ventromedial nucleus of the hypothalamus: a *Phaseolus vulgaris*-leucoagglutinin study in the rat. *J. Comp. Neurol.*, 348, 41-79.

Canteras NS, Swanson LW (1992a) The dorsal premammillary nucleus: a novel subdivision of the mammillary body. *Proc. Natl. Acad. Sci., U.S.A.*, 89, 10089-10093.

Canteras NS, Swanson LW (1992b) Projections of the ventral subiculum to the amygdala, septum, and hypothalamus: a PHAL anterograde tract-tracing study in the rat. *J. Comp. Neurol.*, 324, 180-194.

Carpenter MB, Sutin J (1983) *Human Neuroanatomy*. Williams & Wilkins, Baltimore.

Carter DA, Fibiger HC (1978) 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.

Casale EJ, Light AR, Rustioni A (1988) Direct projection of the corticospinal tract to the superficial laminae of the spinal cord in the rat. *J. Comp. Neurol.*, 278, 275-286.

Cassero G (1609) *Pentaesthesia*. Misserinum, Venice.

Castaldi L (1923) Studî sulla struttura e sullo sviluppo del mesencefalo: ricerche in *Cavia cobaya*. Parte 1. *Arch. ital. Anat. Embriol.*, 20, 23-225.

Castaldi L (1926) Studî sulla struttura e sullo sviluppo del mesencefalo: ricerche in *Cavia cobaya*. Parte 3. *Arch. ital. Anat. Embriol.*, 23, 481-609.

Caughell KA, Flumerfelt BA (1977) The organization of the cerebellorubral projection: an experimental study in the rat. *J. Comp. Neurol.*, 176, 295-306.

Cechetto DF, Saper CB (1987) Evidence for a viscerotopic sensory representation in the cortex and thalamus in the rat. *J. Comp. Neurol.*, 262, 27-45.

Chan-Palay V (1978) The paratrigeminal nucleus. I. Neurons and synaptic organization. *J. Neurocytol.*, 7, 405-418.

Chan-Palay V, Palay SL, Brown JT, Van Itallie C (1977) Sagittal organization of olivocerebellar and reticulocerebellar projections: autoradiographic studies with ^{35}S -methionine. *Exp. Brain Res.*, 30, 561-576.

Chapin JK, Lin C-S (1984) Mapping the body representation in the SI cortex of anesthetized and awake rats. *J. Comp. Neurol.*, 229, 199-213.

Chung K, Langford LA, Coggeshall RE (1987) Primary afferent and propriospinal fibers in the rat dorsal and dorsolateral funiculi. *J. Comp. Neurol.*, 263, 68-75.

Clark WE Le Gros (1938) Morphological aspects of the hypothalamus. In: Clark WE Le Gros, Beattie J, Riddoch G, Dott NM (Eds.), *The Hypothalamus*. Oliver and Boyd, Edinburgh.

Clarke JAL (1851) Researches into the structure of the spinal cord. *Phil. Trans.*, 141, 607-621.

Clavier RM, Atmadja S, Fibiger HC (1976) Nigrothalamic projections in the rat as demonstrated by orthograde and retrograde tracing techniques. *Brain Res. Bull.*, 1, 379-384.

Clerici WJ, Coleman JR (1990) Anatomy of the rat medial geniculate body: I. Cytoarchitecture, myeloarchitecture, and neocortical connectivity. *J. Comp. Neurol.*, 297, 14-31.

Cliffer KD, Giesler Jr GJ (1989) Postsynaptic dorsal column pathway of the rat. III. Distribution of ascending afferent fibers. *J. Neurosci.*, 9, 3146-3168.

Coiter V (1573) *Externarum et Internarum Principalium Humani Corporis Partium Tabulae*. Gerlach, Nuremberg.

Contestabile A, Villani L, Fasolo A, Franzoni MF, Gribaldo L, Øktedalen O, Fonnum F (1987) Topography of cholinergic and substance P pathways in the habenulo-interpeduncular system of the rat. An immunocytochemical and microchemical approach. *Neurosci.*, 21, 253-270.

Contreras RJ, Beckstead RM, Norgren R (1982) The central projections of the trigeminal, facial, glossopharyngeal and vagus nerves: an autoradiographic study in the rat. *J. Autonom. Nerv. Sys.*, 6, 303-322.

Contreras RJ, Gomez MM, Norgren R (1980) Central origins of cranial nerve parasympathetic neurons in the rat. *J. Comp. Neurol.*, 190, 373-394.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Coogan TA, Burkhalter A (1993) Hierarchical organization of areas in rat visual cortex. *J. Neurosci.*, 13, 3749-3772.

Coolen LM, Jansen HT, Goodman RL, Wood RI, Hehman MN (1999) A new method for simultaneous demonstration of anterograde and retrograde connections in the brain: coinjections of biotinylated dextran amine and beta subunit of cholera toxin. *J. Neurosci. Methods*, 91, 1-8.

Coolen LM, Veening JG, Petersen DW, Shipley MT (2003) The parvocellular subparafascicular thalamic nucleus in the rat: anatomical and functional compartmentalization. *J. Comp. Neurol.*, in press.

Cornwall J, Cooper JD, Phillipson OT (1990) Afferent and efferent connections of the laterodorsal tegmental nucleus in the rat. *Brain Res. Bull.*, 25, 271-284.

Corti A (1851) Recherches sur l'organe de l'ouïe des mammifères. *Zeitsch. f. wissensch. Zool.*, 3, 109-169.

Cowan WM (1970) Anterograde and retrograde transneuronal degeneration in the central and peripheral nervous system. In: Nauta WJH, Ebbesson SOE (Eds.), *Contemporary Research Methods in Neuroanatomy*, pp. 217-252. Springer-Verlag, New York.

Cowan WM, Gottleib DI, Hendrickson AE, Price JL, Woolsey TA (1972) The autoradiographic demonstration of axonal connections in the central nervous system. *Brain Res.*, 37, 21-51.

Cowan WM, Guillory RW, Powell TPS (1964) The origin of the mamillary peduncle and other hypothalamic connexions from the midbrain. *J. Anat. Lond.*, 98, 345-363.

Craigie EH (1920) On the relative vascularity of various parts of the central nervous system of the albino rat. *J. Comp. Neurol.*, 31, 429-464.

Craigie EH (1921) The vascularity of the cerebral cortex of the albino rat. *J. Comp. Neurol.*, 33, 193-212.

Craigie EH (1925) *An Introduction to the Finer Anatomy of the Central Nervous System based upon that of the Albino Rat*. Blakiston's Son & Co., Philadelphia.

Craigie EH (1932) The vascular supply of the archicortex of the rat. IV. Inbred albino rats. *J. Comp. Neurol.*, 55, 443-451.

Craigie EH (1933) The vascularity of parts of the cerebellum, brain stem, and spinal cord of inbred albino rats. *J. Comp. Neurol.*, 58, 507-516.

Crespo D, O'Leary DDM, Cowan WM (1985) Changes in the numbers of optic nerve fibers during late prenatal and postnatal development in the albino rat. *Devel. Brain Res.*, 19, 129-134.

Crosby EC, Humphrey T (1941) Studies of the vertebrate telencephalon. II. The nuclear pattern of the anterior olfactory nucleus, tuberculum olfactorium and the amygdaloid complex in adult man. *J. Comp. Neurol.*, 74, 309-352.

Crosby EC, Humphrey T, Lauer EW (1962) *Correlative Anatomy of the Nervous System*. Macmillan, New York.

Cruce JAF (1975) An autoradiographic study of the projections of the mammillothalamic tract in the rat. *Brain Res.*, 85, 211-219.

Cruz F, Lima D, Zieglgänsberger W, Coimbra A (1991) Fine structure and synaptic architecture of HRP-labelled primary afferent terminations in lamina III of the rat dorsal horn. *J. Comp. Neurol.*, 305, 3-16.

Cunningham Jr ET, Simmons DM, Swanson LW, Sawchenko PE (1991) Enkephalin immunoreactivity and messenger RNA in a discrete projection from the nucleus of the solitary tract to the nucleus ambiguus in the rat. *J. Comp. Neurol.*, 307, 1-16.

Czyzyk-Krzeska MF, Bayliss DA, Seroogy KB, Millhorn DE (1991) Gene expression for peptides in neurons of the petrosal and nodose ganglia in rat. *Exp. Brain Res.*, 83, 411-418.

Dahlström A, Fuxe K (1964) Evidence for the existence of monoamine-containing neurons in the central nervous system. I. Demonstration of monoamines in the cell bodies of brain stem neurons. *Acta Physiol. Scand.*, 62 (suppl. 232), 1-55.

Daniel PM, Prichard MML (1975) Studies of the hypothalamus and the pituitary gland, with special reference to the effects of transection of the pituitary stalk. *Acta Endocrinol.*, 80, Suppl. 201, 1-216.

Danner H, Pfister C (1982) Sieben Neurontypen in der Substantia nigra der Ratte. Eine Golgi-rapid Impragnationsstudie. *J. Hirnforsch.*, 23, 553-566.

Darkschewitsch L (1885) Über die hintere Commissur des Gehirns. *Neurol. Zbl.*, 4, 100-101.

Dashti A, Burns GACP, Ghandeharizadeh S, Jia S, Shahabi C, Simmons DM, Stone J, Swanson LW (2001) The “neuroanatomical rat brain viewer” (“NeuART”): a system for registering data against brain atlases. In: Arbib MA, Grethe JG (Eds.) *Computing the Brain: A Guide to Neuroinformatics*, pp. 189-202. Academic Press, San Diego.

Dashti A, Ghandeharizadeh S, Stone J, Swanson LW, Thompson RH (1997) Database challenges and solutions in neuroscientific applications. *Neuroimage*, 5, 97-115.

Davis BJ, Macrides F, Youngs WH, Schneider SP, Rosene DL (1978) Efferents and centrifugal afferents of the main and accessory olfactory bulbs in the hamster. *Brain Res. Bull.*, 3, 59-72.

Deacon TW, Eichenbaum H, Rosenberg P, Eckmann KW (1983) Afferent connections of the perirhinal cortex in the rat. *J. Comp. Neurol.*, 220, 168-190.

DeGroot J (1959) *The Rat Forebrain in Stereotaxic Coordinates*. Verhandelingen der koninklijke Nederlandse Akademie van Wetenschappen, Afd. Natuurkunde. N.V. Noord-Hollandsche Uitgevers Maatschappij, Amsterdam.

Deiters O (1865) *Untersuchungen über Gehirn und Rückenmark des Menschen und der Säugetiere*. Vieweg, Braunschweig.

Dejerine J, Dejerine-Klumpke M (1895-1901) *Anatomie des Centres Nerveux*, 2 vols. Rueff, Paris.

Demski LS, Schwanzel-Fukuda M (Eds.; 1987) *The Terminal Nerve (Nervus Terminalis). Structure, Function, and Evolution. Ann. NY Acad. Sci.*, 519. NY Academy Sciences, New York.

de Olmos JS (1972) The amygdaloid projection field in the rat as studied with the cupric-silver method. In: Eleftheriou BE (Ed.), *The Neurobiology of the Amygdala*, pp. 145-204. Plenum Press, New York.

de Olmos J, Alheid GF, Beltramino CA (1985) Amygdala. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 1, Forebrain and Midbrain*, pp. 223-334. Academic Press, New York.

de Olmos J, Heimer L (1999) The concepts of the ventral striatopallidal system and extended amygdala. *Ann. N.Y. Acad. Sci.*, 877, 1-32.

Descarries L, Watkins KC, Garcia S, Beaudet A (1982) The serotonin neurons in nucleus raphe dorsalis of adult rat: a light and electron microscope radioautographic study. *J. Comp. Neurol.*, 207, 239-254.

Diamond ME, Armstrong-James M, Ebner FF (1992) Somatic sensory responses in the rostral sector of the posterior group (POm) and in the ventral posterior medial nucleus (VPM) of the rat thalamus. *J. Comp. Neurol.*, 318, 462-476.

Divac I, Marinkovic S, Mogensen J, Schwerdtfeger W, Regidor J (1987) Vertical ascending connections in the isocortex. *Anat. Embryol.*, 175, 443-455.

Donaldson HH (1924) The rat: data and reference tables for the albino rat (*Mus norvegicus albinus*) and the Norway rat (*Mus norvegicus*). In: *Memoirs of the Wistar Institute of Anatomy and Biology*, No. 6, pp. 1-278. Institute of Anatomy & Biology, Philadelphia.

Dong H-W, Petrovich GD, Swanson LW (2001) Topography of projections from amygdala to bed nuclei of the stria terminalis. *Brian Res. Rev.*, 38:192-246.

Donoghue JP, Wise SP (1982) The motor cortex of the rat: cytoarchitecture and microstimulation mapping. *J. Comp. Neurol.*, 212, 76-88.

Doron NN, LeDoux JE (1999) Organization of projections to the lateral amygdala from auditory and visual areas of the thalamus in the rat. *J. Comp. Neurol.*, 412, 383-409.

Doron NN, LeDoux JE, Semple MN (2002) Redefining the tonotopic core of rat auditory cortex: physiological evidence for a posterior field. *J. Comp. Neurol.*, 453:345-360.

Doucette R (1991) PNS-CNS transitional zone of the first cranial nerve. *J. Comp. Neurol.*, 312, 451-466.

Dryander J (1537) *Anatomiae, h.e. corporis humani dissectionis pars prior, in qua singula quae ad Caput spectant recensentur membra, atque singulae partes, singulis suis ad uiuum commodissime expressis figuris, deliniantur. Omnia recens nata.* E. Ceruicornum, Marpurgi.

Duval (1876) Recherches sur l'origine réelle des nerfs crâniens. *J. Anat. Physiol. (Paris)*, 496-524.

Eayrs JT (1954) Vascularity of cortex in normal and cretinous rats. *J. Anat. (Lond.)*, 88, 164-173.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Ebbesson SOE (1980) The parcellation theory and its relation to interspecific variability in brain organization, evolutionary and ontogenetic development, and neuronal plasticity. *Cell Tiss. Res.*, 213, 179-212.

Edgley SA, Grant GM (1991) Inputs to spinocerebellar tract neurones located in Stilling's nucleus in the sacral segments of the rat spinal cord. *J. Comp. Neurol.*, 305, 130-138.

Edinger L (1893) *Vorlesungen über den Bau der nervösen Centralorgane des Menschen und der Thiere*. Vogel, Leipzig.

Edinger L (1896a) Untersuchungen über die vergleichende Anatomie des Gehirns, 3. Neue Studien über das Vorderhirn der Reptilien. *Abh. Senckenberg Naturf. Ges.*, 19, 313-386.

Edinger L (1896b) *Vorlesungen über den Bau der nervösen Zentralorgane des Menschen und der Tiere, 5th edn.* Vogel, Leipzig.

Edinger L (1899) Untersuchungen über die vergleichende Anatomie des Gehirns, 4. Studien über das Zwischenhirn der Reptilien. *Abh. Senckenberg Naturf. Ges.*, 20, 161-197.

Edinger L (1904) *Vorlesungen über den Bau der nervösen Zentralorgane des Menschen und der Tiere, 7th edn., Vol. 1.* Vogel, Leipzig.

Ehinger B, Dowling JE (1987) Retinal neurocircuitry and transmission. In: Björklund A, Hökfelt T, Swanson LW (Eds.), *Handbook of Chemical Neuroanatomy*, Vol. 5: *Integrated Systems of the CNS, Part I*, pp. 389-446. Elsevier, New York.

Ehrlich P (1886) Über die Methylenblaureaction der lebenden Nervensubstanz. *Dtsch. med. Wochenschf.*, 12, 49-52.

Ekstrand JJ, Domroese ME, Johnson DMG, Feig SL, Knodel SM, Behan M, Haberly LB (2001) A new subdivision of anterior piriform cortex and associated deep nucleus with novel features of interest for olfaction and epilepsy. *J. Comp. Neurol.*, 434, 289-307.

Ellenberger HH, Feldman JL, Zhan W-Z (1990) Subnuclear organization of the lateral tegmental field of the rat. II: Catecholamine neurons and ventral respiratory group. *J. Comp. Neurol.*, 294, 212-222.

Elliot Smith G (1896) The morphology of the true ‘limbic lobe’, corpus callosum, septum pellucidum and fornix. *J. Anat. (Lond.)*, 30, 157-167, 185-205.

Elliot Smith G (1897) The fornix superior. *J. Anat. (Lond.)*, 31, 80-94.

Elliot Smith G (1901) Notes upon the natural subdivision of the cerebral hemisphere. *J. Anat. (Lond.)*, 35, 431-54.

Elliot Smith G (1903) On the morphology of the cerebral commissures in the vertebrata, with special reference to an aberrant commissure found in the forebrain of certain reptiles. *Trans. Linn. Soc., Lond., Ser. 2, Zool.*, 8, 455-500.

Elliot Smith G (1910) Some problems relating to the evolution of the brain. *Lancet*, i, 1-6, 147-153, 221-227.

Emmers R (1988) *Somesthetic System of the Rat*. Raven Press, New York.

Erzurumlu RS, Killackey HP (1983) Development of order in the rat trigeminal system. *J. Comp. Neurol.*, 213, 365-380.

Essick CR (1907) The corpus ponto-bulbare—a hitherto undescribed nuclear mass in the human hind brain. *Am. J. Anat.*, 7, 119-135.

Eustachius B (1714) *Tabulae Anatomicae* (Lancisi GM, Ed.). Gonzaga, Rome.

Everitt BJ, Meister B, Hökfelt T, Melander T, Terenius L, Rökaeus Å, Theodorsson-Norheim E, Dockray G, Edwardson J, Cuello C, Elde R, Goldstein M, Hemmings H, Ouimet C, Walaas I, Greengard P, Vale W, Weber E, Wu J-Y, Chang K-J (1986) The hypothalamic arcuate nucleus-median eminence complex: immunohistochemistry of transmitters, peptides and DARPP-32 with special reference to coexistence in dopamine neurons. *Brain Res. Rev.*, 11, 97-155.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Eycleshymer AC (1917) *Anatomical Names, Especially the Basle Nomina Anatomica ("BNA")*. William Wood, New York.

Fabri M, Burton H (1991) Topography of connections between primary somatosensory cortex and posterior complex in rat: a multiple fluorescent tracer study. *Brain Res.*, 538, 351-357.

Falck B, Hillarp N-A, Thieme G, Torp, A (1962) Fluorescence of catecholamines and related compounds condensed with formaldehyde. *J. Histochem. Cytochem.*, 10, 348-354.

Fallon JH, Moore RY (1978) Catecholamine innervation of the basal forebrain. IV. Topography of the dopamine projection to the basal forebrain and neostriatum. *J. Comp. Neurol.*, 180, 545-580.

Falls WM, Rice RE, VanWagner JP (1985) The dorsomedial portions of trigeminal nucleus oralis (Vo) in the rat: cytology and projections to the cerebellum. *Somatosensory Res.*, 3, 89-118.

Faull RLM, Mehler WR (1985) Thalamus. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 1, Forebrain and Midbrain*, pp. 129-168. Academic Press, New York.

Faye-Lund H (1986) Projection from the inferior colliculus to the superior olfactory complex in the albino rat. *Anat. Embryol.*, 175, 35-52.

Swanson, L.W. (2004) *Brain maps: structure of the rat brain*, 3rd edition

Faye-Lund H, Osen KK (1985) Anatomy of the inferior colliculus in rat. *Anat. Embryol.*, 171, 1-20.

Feldman SG, Kruger L (1980) An axonal transport study of the ascending projection of medial lemniscal neurons in the rat. *J. Comp. Neurol.*, 192, 427-454.

Flechsig PE (1883) *Plan des menschlichen Gehirns*. Veit, Leipzig.

Flett DL, Bell C (1990) The impact of sexual dimorphism on neuron numbers in the superior cervical ganglion of the rat. *J. Autonom. Nerv. Sys.*, 30, 23-28.

Forel AH (1872) Beiträge zur Kenntnis des Thalamus opticus und der ihn umgebenden Gebilde bei den Säugetieren. In: *Gesammelte hirnanatomische Abhandlungen* (1907), pp. 18-43. Reinhardt, Munich.

Fox EA, Powley TL (1985) Longitudinal columnar organization within the dorsal motor nucleus represents separate branches of the abdominal vagus. *Brain Res.*, 341, 269-282.

Frederickson CJ, Trune DR (1986) Cytoarchitecture and saccular innervation of nucleus Y in the mouse. *J. Comp. Neurol.*, 252, 302-322.

Friauf E (1986) Morphology of motoneurons in different subdivisions of the rat facial nucleus stained intracellularly with horseradish peroxidase. *J. Comp. Neurol.*, 253, 231-241.

Friauf E, Herbert H (1985) Topographic organization of facial motoneurons to individual pinna muscles in rat (*Rattus rattus*) and Bat (*Rousettus aegyptiacus*). *J. Comp. Neurol.*, 240, 161-170.

Fry FJ, Cowan WM (1972) A study of retrograde cell degeneration in the lateral mammillary nucleus of the cat, with special reference to the role of axonal branching in the preservation of the cell. *J. Comp. Neurol.*, 144, 1-24.

Fukuda Y, Tanaka K, Chiba T (1995) Inspiratory activity responses to lung inflation and ventral medullary surface cooling of glossopharyngeal nerve (stylopharyngeal muscle branch) and its motoneuron distribution in the rat. *Neurosci. Res.*, 23, 103-114.

Fukuda Y, Tojima H, Tanaka K, Chiba T (1993) Respiratory suppression by focal cooling of ventral medullary surface in anesthetized rats; functional and neuroanatomical correlates. *Neurosci. Lett.*, 153, 177-180.

Fulwiler CE, Saper CB (1984) Subnuclear organization of the efferent connections of the parabrachial nucleus in the rat. *Brain Res. Rev.*, 7, 229-259.

Furusawa K, Yamaoka M, Kogo M, Matsuya T (1991) The innervation of the levator veli palatini muscle by the glossopharyngeal nerve. *Brain Res. Bull.*, 26, 599-604.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Fuse G (1913) Die Randgebiete des Pons und des Mittelhirns. *Arb. hirnanat. Inst. Zürich*, 7, 211-253.

Fuxe K, Hökfelt T, Ungerstedt U (1969) Distribution of monoamines in the mammalian central nervous system by histochemical studies. In: Hooper G (Ed.), *Metabolism of Amines in the Brain*, pp. 10-22. Macmillan, London.

Galen (1956) *On Anatomical Procedures (De Anatomicis Administrationibus, Books 1-9, Part 1)*. (Singer C, Trans.). Oxford University Press, London.

Galen (1962) *On Anatomical Procedures. The Later Books*. (Duckworth WLH, Trans.; Lyons MC, Towers B, Eds.). Cambridge University Press, Cambridge.

Galen (1968) *Galen on the Usefulness of the Parts of the Body*. Translated from the Greek with an Introduction and Commentary by Margaret Tallmadge May, two vols. Cornell University Press, Ithaca.

Gall FJ, Spurzheim G (1810) *Anatomie et Physiologie du Système Nerveux en Général et du Cerveau en Particulier, Vol. 1*. Schoell, Paris.

Ganser SJM (1882) Vergleichend-anatomische Studien über das Gehirn des Maulwurfs. *Morph. Jb.*, 7, 591-725.

Gerfen CR, Sawchenko PE (1984) An anterograde neuroanatomical tracing method that shows the detailed morphology of neurons, their axons and terminals: immunohistochemical localization of an axonally transported plant lectin, *Phaseolus vulgaris* leucoagglutinin (PHA-L). *Brain Res.*, 290, 219-238.

Gerlach J (1858) *Microscopische Studien aus dem Gebiet der menschlichen Morphologie*. 2nd edn. F. Enke, Erlangen.

Giesler Jr GJ, Björkeland M, Xu Q, Grant G (1988) Organization of the spinocervicothalamic pathway in the rat. *J. Comp. Neurol.*, 268, 223-233.

Giesler Jr GJ, Elde RP (1985) Immunocytochemical studies of the peptidergic content of fibers and terminals within the lateral spinal and lateral cervical nuclei. *J. Neurosci.*, 5, 1833-1841.

Giesler Jr GJ, Spiel HR, Willis WD (1981) Organization of spinothalamic tract axons within the rat spinal cord. *J. Comp. Neurol.*, 195, 243-252.

Gillilan LA (1943) The nuclear pattern of the non-tectal portions of the midbrain and isthmus in rodents. *J. Comp. Neurol.*, 78, 213-251.

Giolli RA, Clarke RJ, Blanks RHI, Torigoe Y, Fallon JH (1989) Organization of rat medial terminal accessory optic nucleus; axon collateralization of neurons and its GABAergic neurons. *Anat. Rec.*, 223, 43A.

Giolli RA, Peterson GM, Ribak CE, McDonald HM, Blanks RHI, Fallon JH (1985) GABAergic neurons comprise a major cell type in rodent visual relay nuclei: an immunocytochemical study of pretectal and accessory optic nuclei. *Exp. Brain Res.*, 61, 194-203.

Giuliano R, Ruggiero DA, Morrison S, Ernsberger P, Reis DJ (1989) Cholinergic regulation of arterial pressure by the C1 area of the rostral ventrolateral medulla. *J. Neurosci.*, 9, 923-942.

Glicksman MA (1980) Localization of motoneurons controlling the extraocular muscles of the rat. *Brain Res.*, 188, 53-62.

Gobel A, Falls WM, Hockfield A (1977) The division of the dorsal and ventral horns of the mammalian caudal medulla into eight layers using anatomical criteria. In: Anderson DJ, Matthews B (Eds.), *Pain in the Trigeminal Region*, pp. 443-453. Elsevier, Amsterdam.

Golgi C (1873) Sulla struttura della sostanza grigia del cervello. *Gazz. med. ital. lombarda*, 33, 244-246.

Goll F (1860) Beiträge zur feineren Anatomie des menschlichen Rückenmarks. *Denkschr. Med. Chir. Ges. Kanton*, p. 130, Zürich.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Gonzalo-Ruiz A, Leichnetz GR, Hardy SGP (1990) Projections of the medial cerebellar nucleus to oculomotor-related midbrain areas in the rat: an anterograde and retrograde HRP study. *J. Comp. Neurol.*, 296, 427-436.

Gorry JD (1963) Studies on the comparative anatomy of the ganglion basale of Meynert. *Acta Anat.*, 55, 51-104.

Goto M, Swanson LW, Canteras NS (2001) Connections of the nucleus incertus. *J. Comp. Neurol.*, 438, 86-122.

Gowers WR (1880) *The Diagnosis of Diseases of the Spinal Cord*. J & A Churchill, London.

Gratiolet LP (1854) *Mémoire sur les Plis Cérébraux de l'Homme et des Primates*. A. Bertrand, Paris.

Gratiolet LP (1857) see Leuret F, Gratiolet P (1857).

Graybiel AM, Ragsdale Jr CW (1979) Fiber connections of the basal ganglia. *Prog. Brain Res.*, 51, 239-283.

Greene EC (1968) Anatomy of the rat. In: *Transactions of the American Philosophical Society*. Vol. XXVII, pp. 1-370. Hafner, New York.

Greenwood D, Coggeshall RE, Hulsebosch CE (1985) Sexual dimorphism in the numbers of neurons in the pelvic ganglia of adult rats. *Brain Res.*, 340, 160-162.

Gregg JM, Dixon AD (1973) Somatotopic organization of the trigeminal ganglion in the rat. *Arch. Oral Biol.*, 18, 487-498.

Gregory KM (1985) The dendritic architecture of the visual pretectal nuclei of the rat: a study with the Golgi-Cox method. *J. Comp. Neurol.*, 234, 122-135.

Groenewegen HJ, Ahlenius S, Haber SN, Kowall NW, Nauta WJH (1986) Cytoarchitecture, fiber connections, and some histochemical aspects of the interpeduncular nucleus in the rat. *J. Comp. Neurol.*, 249, 65-102.

Groenewegen HJ, Wright CI, Beijer AV, Voorn P (1999) Convergence and segregation of ventral striatal inputs and outputs. *Ann. N.Y. Acad. Sci.*, 877, 49-63.

Grofova I, Deniau JM, Kitai ST (1982) Morphology of the substantia nigra pars reticulata projection neurons intracellularly labeled with HRP. *J. Comp. Neurol.*, 208, 352-368.

Gudden BA (1874) Über die Kreuzung der Fasern im Chiasma nervorum opticorum. *Albrecht v. Graefes Arch. Ophthal.*, 20, 249-267.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Gudden BA (1879) Ueber die Kreuzung der Nervenfasern im Chiasma Nervorum opticorum.
Gräfe's Arch. Ophthalmol., 25, 237-246.

Gudden BA (1881a) Beitrag zur Kenntnis des Corpus mammillare und der sogenannten Schenkel des Fornix. *Arch. Psychiat. Nervenkr.*, 11, 428-452.

Gudden BA (1881b) Mitteilung über das Ganglion interpedunculare. *Arch. Psychiat. Nervenkr.*, 11, 424-427.

Gulley RL (1973) Golgi studies of the nucleus gracilis in the rat. *Anat. Rec.*, 177, 325-342.

Gurdjian ES (1925) Olfactory connections in the albino rat, with special reference to the stria medullaris and the anterior commissure. *J. Comp. Neurol.*, 38, 128-163.

Gurdjian ES (1927) The diencephalon of the albino rat. *J. Comp. Neurol.*, 43, 1-114.

Gurdjian ES (1928) The corpus striatum of the rat. *J. Comp. Neurol.*, 45, 249-281.

Haberly LB, Price JL (1978a) Association and commissural fiber systems of the olfactory cortex in the rat. I. Systems originating in the piriform cortex and adjacent areas. *J. Comp. Neurol.*, 178, 711-740.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Haberly LB, Price JL (1978b) Association and commissural fiber systems of the olfactory cortex in the rat. II. Systems originating in the olfactory peduncle. *J. Comp. Neurol.*, 181, 781-808.

Haller A von (1762) *Elementa Physiologiae*, Vol. 4. Bousquet, Lausanne.

Halpern M (1987) The organization and function of the vomeronasal system. *Ann. Rev. Neurosci.*, 10, 325-362.

Hamilton RB, Norgren R (1984) Central projections of gustatory nerves in the rat. *J. Comp. Neurol.*, 222, 560-577.

Hanaway J, McConnell JA, Netsky MG (1970) Cytoarchitecture of the substantia nigra in the rat. *Am. J. Anat.*, 129, 417-438.

Hancock MB, Peveto CA (1979) A preganglionic autonomic nucleus in the dorsal gray commissure of the lumbar spinal cord of the rat. *J. Comp. Neurol.*, 183, 65-72.

Harrison JM, Feldman ML (1970) Anatomical aspects of the cochlear nucleus and superior olivary complex. In: Neff WD (Ed.), *Contributions to Sensory Physiology*, Vol. 4, pp. 95-142. Academic Press, New York.

Harting JK, Huerta MF, Hashikawa T, van Lieshout DP (1991a) Projection of the mammalian superior colliculus upon the dorsal lateral geniculate nucleus: organization of tectogeniculate pathways in nineteen species. *J. Comp. Neurol.*, 304, 275-306.

Harting JK, van Lieshout DP, Hashikawa T, Weber JT (1991b) The parabigeminogeniculate projection: connectional studies in eight mammals. *J. Comp. Neurol.*, 305, 559-581.

Harvey AR, Worthington DR (1990) The projection from different visual cortical areas to the rat superior colliculus. *J. Comp. Neurol.*, 298, 281-292.

Haug FS (1976) Sulphide silver pattern and cytoarchitectonics of parahippocampal areas in the rat. Special reference to the subdivision of area entorhinalis (area 28) and its demarcation from the pyriform cortex. *Anat. Embryol. Cell Biol.*, 52, 1-73.

Hayakawa T, Zyo K (1983) Comparative cytoarchitectonic study of Gudden's tegmental nuclei in some mammals. *J. Comp. Neurol.*, 216, 233-244.

Hayhow WR, Webb C, Jervie A (1960) The accessory optic fiber system in the rat. *J. Comp. Neurol.*, 115, 187-215.

Hebel R, Stromberg MW (1986) *Anatomy and Embryology of the Laboratory Rat*. BioMed Verlag Wörthsee, Munich.

Heimer L (1972) The olfactory connections of the diencephalon in the rat. *Brain Behav. Evol.*, 6, 484-523.

Heimer L, Wilson RD (1975) The subcortical projections of the allocortex: similarities in the neural associations of the hippocampus, the piriform cortex, and the neocortex. In: Santini M (Ed.), *Golgi Centennial Symposium Proceedings*, pp. 177-193. Raven Press, New York.

Held H (1893) Beiträge zur feineren Anatomie des Kleinhirns und des Hirnstammes. *Arch. Anat. Physiol. (Anat. Abt.)*, 435-446.

Helweg HKS (1888) Ueber den centralen Verlauf der vasomotorischen Nervenbahnen. *Arch. f. Psychiat. u. Nervenkr., Berl.*, 19, 108.

Henkel CK, Shneiderman A (1988) Nucleus sagulum: projections of a lateral tegmental area to the inferior colliculus in the cat. *J. Comp. Neurol.*, 271, 577-588.

Herbert H, Saper, CB (1992) Organization of medullary adrenergic and noradrenergic projections to the periaqueductal gray matter in the rat. *J. Comp. Neurol.*, 315, 34-52.

Herkenham M (1979) The afferent and efferent connections of the ventromedial thalamic nucleus in the rat. *J. Comp. Neurol.*, 183, 487-518.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Herkenham M, Nauta WJH (1979) Efferent connections of the habenular nuclei in the rat. *J. Comp. Neurol.*, 187, 19-48.

Herrick CJ (1913) Anatomy of the brain. In: *The Reference Handbook of the Medical Sciences*, Vol. 2, pp. 274-342. Wood, New York.

Herrick CJ (1915) *An Introduction to Neurology*. WB Saunders Co., Philadelphia.

Herrick CJ (1948) *The Brain of the Tiger Salamander*. University of Chicago Press, Chicago.

Hickey TL, Spear PD (1976) Retinogeniculate projections in hooded and albino rats: an autoradiographic study. *Exp. Brain Res.*, 24, 523-529.

Hirsch ABR (1765) *Pars quinti nervorum encephali disquisitio anatomica*. Vienna.

His W (1895) Die anatomische Nomenclatur. Nomina anatomica. *Arch. Anat. Physiol. (Abt. Anat. EntwGesch.)*, suppl), 1-180.

Hjorth-Simonsen A (1972) Projection of the lateral part of the entorhinal area to the hippocampus and fascia dentata. *J. Comp. Neurol.*, 146, 219-232.

Hökfelt T, Johansson O, Goldstein M (1984) Central catecholamine neurons as revealed by immunohistochemistry with special reference to adrenaline neurons. In: Björklund A, Hökfelt T

Swanson, L.W. (2004) *Brain maps: structure of the rat brain*, 3rd edition

(Eds.), *Handbook of Chemical Neuroanatomy*, Vol. 2: *Classical Transmitters in the CNS, Part I*, pp. 157-276. Elsevier, New York.

Holstege G (1988) Direct and indirect pathways to lamina I in the medulla oblongata and spinal cord of the cat. *Prog. Brain Res.*, 77, 47-94.

Honegger J (1890) Vergleichend-anatomische Untersuchungen über den Fornix und die mit ihm in Beziehung stehenden Gebilde. *Rec. Zool. suisse*, 5, 201-434.

Honig MG, Hume R (1989) DiI and DiO: Versatile fluorescent dyes for neuronal labelling and pathway tracing. *Trends Neurosci.*, 12, 333-341.

Horel JA, Stelzner DJ (1981) Neocortical projections of the rat anterior commissure. *Brain Res.*, 220, 1-12.

Hosoya Y, Sugiura Y, Okado N, Loewy AD, Kohno K (1991) Descending input from the hypothalamic paraventricular nucleus to sympathetic preganglionic neurons in the rat. *Exp. Brain Res.*, 85, 10-20.

Huerta MF, Frankfurter A, Harting JK (1983) Studies of the principal sensory and spinal trigeminal nuclei of the rat: projections to the superior colliculus, inferior olive, and cerebellum. *J. Comp. Neurol.*, 220, 147-167.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Hughes A (1959) *A History of Cytology*. Abelard-Schuman, London.

Hughes HC (1977) Anatomical and neurobehavioral investigations concerning the thalamo-cortical organization of the rat's visual system. *J. Comp. Neurol.*, 175, 311-336.

Humphrey T (1936) The telencephalon of the bat. I. The non-cortical nuclear masses and certain pertinent fiber connections. *J. Comp. Neurol.*, 65, 603-711.

Imaki T, Nahan J-L, Rivier C, Sawchenko PE, Vale W (1991) Differential regulation of corticotropin-releasing factor mRNA in rat brain regions by glucocorticoids and stress. *J. Neurosci.*, 11, 585-599.

Ingram WR, Hannett FL, Ranson SW (1932) The topography of the nuclei of the diencephalon of the cat. *J. Comp. Neurol.*, 55, 333-394.

Irvine DRF (1986) *Progress in Sensory Physiology 7. The Auditory Brainstem*. Springer-Verlag, New York.

Jackson A, Crossman AR (1981) Basal ganglia and other afferent projections to the peribrachial region in the rat: a study using retrograde and anterograde transport of horseradish peroxidase. *Neurosci.*, 6, 1537-1549.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Jacobsohn L (1909) *Über die Kerne des Menschlichen Hirnstammes (Medulla oblongata, Pons, und Pedunculus cerebri)*. Verlag der Konigl Akademie der Wissenschaften, Berlin.

Jacobson M (1993) *Foundations of Neuroscience*. Plenum, New York.

Jacquin MF, Rhoades RW (1990) Cell structure and response properties in the trigeminal subnucleus oralis. *Somatosensory Motor Res.*, 7, 265-288.

Jacquin MF, Rhoades RW, Enfiejian HL, Egger MD (1983) Organization and morphology of masticatory neurons in the rat: a retrograde HRP study. *J. Comp. Neurol.*, 218, 239-256.

Jarvis CR, Andrew RD (1988) Correlated electrophysiology and morphology of the ependyma in rat hypothalamus. *J. Neurosci.*, 8, 3691-3702.

Jeffery G (1989) Distribution and trajectory of uncrossed axons in the optic nerves of pigmented and albino rats. *J. Comp. Neurol.*, 289, 462-466.

Jen LS, Au C (1986) Intercollateral fibers terminating in the superficial layers of the superior colliculus: a WGA-HRP study in the rat. *Brain Res.*, 379, 385-389.

Jimenez-Castellanos J (1949) Thalamus of the cat in Horsley-Clarke coordinates. *J. Comp. Neurol.*, 91, 307-330.

Johnston JB (1909) The morphology of the forebrain vesicle in vertebrates. *J. Comp. Neurol. Psychol.*, 19, 437-539.

Johnston JB (1923) Further contributions to the study of the evolution of the forebrain. *J. Comp. Neurol.*, 35, 337-482.

Jones EG (1985) *The Thalamus*. Plenum Press, New York.

Jones EG, Burton H, Saper CB, Swanson LW (1976) Midbrain, diencephalic and cortical relationships of the basal nucleus of Meynert and associated structures in primates. *J. Comp. Neurol.*, 167, 385-420.

Jones EG, Leavitt RY (1974) Retrograde axonal transport and the demonstration of non-specific projections to the cerebral cortex and striatum from thalamic intralaminar nuclei in the rat, cat and monkey. *J. Comp. Neurol.*, 154, 349-378.

Ju G, Swanson LW (1989) Studies on the cellular architecture of the bed nuclei of the stria terminalis in the rat: I. Cytoarchitecture. *J. Comp. Neurol.*, 280, 587-602.

Kanaseki T, Sprague JM (1974) Anatomical organization of pretectal nuclei and tectal laminae in the cat. *J. Comp. Neurol.*, 158, 319-338.

Kapogianis EM, Flumerfelt BA, Hrycyshyn AW (1982a) Cytoarchitecture and cytology of the lateral reticular nucleus in the rat. *Anat. Embryol.*, 164, 229-242.

Kapogianis EM, Flumerfelt BA, Hrycyshyn AW (1982b) A Golgi study of the lateral reticular nucleus in the rat. *Anat. Embryol.*, 164, 243-256.

Keay KA, Clement, CI, Owler B, Depaulis A, Bandler R (1994) Convergence of deep somatic and visceral nociceptive information onto discrete ventrolateral periaqueductal gray region. *Neurosci.*, 61, 727-732.

Keizer K, Kuypers HGJM, Huisman AM, Dann O (1983) Diamidino yellow dihydrochloride (DY-2HCl); a new fluorescent retrograde neuronal tracer, which migrates only very slowly out of the cell. *Exp. Brain Res.*, 51, 179-191.

Kelly AB (1995) Fluid balance and neuropeptides in the lateral hypothalamic area. Neurobiology Program, Univ. Southern California, PhD thesis.

Kelly AB, Watts AG (1996) Mediation of dehydration-induced peptidergic gene expression in the rat lateral hypothalamic area by forebrain afferent projections. *J. Comp. Neurol.*, 370, 231-246.

Kelly JB, Sally SL (1988) Organization of auditory cortex in the albino rat: binaural response properties. *J. Neurophysiol.*, 59, 1756-1769.

Kemplay S, Webster KE (1989) A quantitative study of the projections of the gracile, cuneate and trigeminal nuclei and of the medullary reticular formation to the thalamus in the rat. *Neurosci.*, 32, 153-167.

Kirchgessner AL, Gershon MD (1988) Projections of submucosal neurons to the myenteric plexus of the guinea pig intestine: *in vitro* tracing of microcircuits by retrograde and anterograde transport. *J. Comp. Neurol.*, 277, 487-498.

Kirchgessner AL, Gershon MD (1989) Identification of vagal efferent fibers and putative target neurons in the enteric nervous system of the rat. *J. Comp. Neurol.*, 285, 38-53.

Kitamura S, Nishiguchi T, Sakai A (1983) Location of cell somata and the peripheral course of axons of the geniohyoid and thyrohyoid motoneurons: a horseradish peroxidase study in the rat. *Exp. Neurol.*, 79, 87-96.

Koelle GB (1934) The histochemical localization of cholinesterases in the central nervous system of the rat. *J. Comp. Neurol.*, 100, 211-235.

Köhler C, Swanson LW, Haglund L, Wu Y-Y (1985) The cytoarchitecture, histochemistry and projections of the tuberomammillary nucleus in the rat. *Neurosci.*, 16, 85-110.

Swanson, L.W. (2004) *Brain maps: structure of the rat brain*, 3rd edition

Kölliker A (1896) *Handbuch der Gewebelehre des Menschen*, 6th edn., Vol. 2. Engelmann, Leipzig.

König JFR, Klippel RA (1963) *The Rat Brain. A Stereotaxic Atlas of the Forebrain and Lower Parts of the Brain Stem*. Williams & Wilkins, Baltimore.

Korneliussen HK (1968) On the morphology and subdivision of the cerebellar nuclei of the rat. *J. Hirnforsch.*, 10, 109-119.

Kosar E, Grill HJ, Norgren R (1986) Gustatory cortex in the rat. I. Physiological properties and cytoarchitecture. *Brain Res.*, 379, 329-341.

Kosel KC, Van Hoesen GW, West JR (1981) Olfactory bulb projections to the parahippocampal area of the rat. *J. Comp. Neurol.*, 198, 467-482.

Krammer EB, Rath T, Lischka MF (1979) Somatotopic organization of the hypoglossal nucleus: a HRP study in the rat. *Brain Res.*, 170, 533-537.

Krettek JE, Price JL (1977) The cortical projections of the mediodorsal nucleus and adjacent thalamic nuclei in the rat. *J. Comp. Neurol.*, 171, 157-192.

Krettek JE, Price JL (1978) A description of the amygdaloid complex in the rat and cat with observations on intra-amygdaloid axonal connections. *J. Comp. Neurol.*, 178, 255-280.

Kreulen DL, Szurszewski JH (1979) Nerve pathways in celiac plexus of the guinea pig. *Am. J. Physiol.*, 237, E90-E97.

Krieg WJS (1932) The hypothalamus of the albino rat. *J. Comp. Neurol.*, 55, 19-89.

Krieg WJS (1944) The medial region of the thalamus of the albino rat. *J. Comp. Neurol.*, 80, 381-415.

Krieg WJS (1946a) Connections of the cerebral cortex. I. The albino rat. A. Topography of the cortical areas. *J. Comp. Neurol.*, 84, 221-276.

Krieg WJS (1946b) Connections of the cerebral cortex. I. The albino rat. B. Structure of the cortical areas. *J. Comp. Neurol.*, 84, 277-324.

Krieg WJS (1947) Connections of the cerebral cortex. I. The albino rat. C. Extrinsic connections. *J. Comp. Neurol.*, 86, 267-394.

Kristensson K, Olsson Y, Sjöstrand J (1971) Axonal uptake and retrograde transport of exogenous proteins in the hypoglossal nerve. *Brain Res.*, 32, 399-406.

Kruger L (1979) Functional subdivision of the brainstem sensory trigeminal nuclear complex. In: Bonica JJ (Ed.), *Advances in Pain Research and Therapy*, Vol. 3, pp. 197-209. Raven Press, New York.

Kruger L, Soporta S, Swanson LW (1995) *Photographic Atlas of the Rat Brain: The Cell and Fiber Architecture Illustrated in Three Planes with Stereotaxic Coordinates*. Cambridge University Press, New York.

Kuang RZ, Kalil K (1990) Branching patterns of corticospinal axon arbors in the rodent. *J. Comp. Neurol.*, 292, 585-598.

Kuypers HGJM (1981) Anatomy of the descending pathways. In: Brookhart JM, Mountcastle VB, Brooks VB, Geiger SR (Eds.), *Handbook of Physiology, Section I. The Nervous System, Vol. II. Motor Control, Part I*, pp. 597-666. Williams & Wilkins, Baltimore.

Kuzemensky J (1977) Contribution to the cytoarchitectonics of the zona incerta and Forel's field in the rodents. *Folia Morph. (Praha)*, 25, 366-370.

Kuzuhara S, Chou SM (1980) Localization of the phrenic nucleus in the rat: a HRP study. *Neurosci. Lett.*, 16, 119-124.

Kuzuhara S, Kanazawa I, Nakanishi T (1980) Topographical localization of the Onuf's nuclear neurons innervating the rectal and vesical striated sphincter muscles: a retrograde fluorescent double labeling in cat and dog. *Neurosci. Lett.*, 16, 125-130.

LaMotte CC, Kapadia SE, Shapiro CM (1991) Central projections of the sciatic, saphenous, median, and ulnar nerves of the rat demonstrated by transganglionic transport of choleraeigenoid-HRP (B-HRP) and wheat germ agglutinin-HRP (WGA-HRP). *J. Comp. Neurol.*, 311, 546-562.

Langley JN (1898) On the union of cranial autonomic (visceral) fibers with the nerve cells in the superior cervical ganglion. *J. Physiol.*, 23, 240-270.

Langley JN (1900) On axon reflexes in the preganglionic fibers of the sympathetic system. *J. Physiol.*, 25, 364-398.

Langley JN (1905-1906) On the reaction of cells and of nerve-endings to certain poisons, chiefly as regards the reaction of striated muscle to nicotine and to curare. *J. Physiol.*, 33, 374-413.

Larsell O (1952) The morphogenesis and adult pattern of the lobules and tissues of the cerebellum of the white rat. *J. Comp. Neurol.*, 97, 281-356.

Larsell O (1970) *The Comparative Anatomy and Histology of the Cerebellum from Monotremes through Apes* (Jansen J, Ed.). University of Minnesota Press, Minneapolis.

Lasek RJ, Joseph BS, Whitlock DG (1968) Evaluation of a radioautographic neuroanatomical tracing method. *Brain Res.*, 8, 319-336.

LeDoux JE, Ruggiero DA, Forest R, Stornetta R, Reis DJ (1987) Topographic organization of convergent projections to the thalamus from the inferior colliculus and spinal cord in the rat. *J. Comp. Neurol.*, 264, 123-146.

Leenen LPH, Meek J, Posthuma PR, Nieuwenhuys R (1985) A detailed morphometrical analysis of the pyramidal tract of the rat. *Brain Res.*, 359, 65-80.

Leichnetz GR (1982) The medial accessory nucleus of Bechterew: a cell group within the anatomical limits of the rostral oculomotor complex receives a direct prefrontal projection in the monkey. *J. Comp. Neurol.*, 210, 147-151.

Lenhossék J (1858) *Neue Untersuchungen über den feineren Bau des centralen Nervensystems des Menschen, Vol. 1, Medulla spinalis und Bulbus rhachiticus*. Kaiserlich-Königlichen Hof- und Staatsdruckerei, Vienna.

Lenhossék M (1887) Beobachtungen am Gehirn des Menschen. *Anat. Anz.*, 2, 450-461.

Leslie RA, Gwyn DG, Hopkins DA (1982) The central distribution of the cervical vagus nerve and gastric afferent and efferent projections in the rat. *Brain Res.*, 8, 37-43.

Swanson, L.W. (2004) *Brain maps: structure of the rat brain*, 3rd edition

Leuret F, Gratiolet P (1857) *Anatomie comparée du système nerveux*. Baillière, Paris.

Lieutaud J (1742) *Essais Anatomiques*. Huart, Paris.

Light AR, Kavookjian AM (1988) Morphology and ultrastructure of physiologically identified substantia gelatinosa (lamina II) neurons with axons that terminate in deeper dorsal horn laminae (III-V). *J. Comp. Neurol.*, 267, 172-189.

Lima D, Coimbra A (1986) A Golgi study of the neuronal population of the marginal zone (lamina I) of the rat spinal cord. *J. Comp. Neurol.*, 244, 53-71.

Lima D, Coimbra A (1989) Morphological types of spinomesencephalic neurons in the marginal zone (lamina I) of the rat spinal cord, as shown after retrograde labelling with cholera toxin subunit B. *J. Comp. Neurol.*, 279, 327-339.

Lin C-S, Nicolelis MAL, Schneider JS, Chapin JK (1990) A major direct GABAergic pathway from zona incerta to neocortex. *Science*, 248, 1553-1556.

Lindvall O, Björklund A (1974) The organization of the ascending catecholamine neuron systems in the rat brain as revealed by the glyoxylic acid fluorescence method. *Acta Physiol. Scand. Suppl.*, 412, 1-48.

Lissauer H (1886) Beitrag zum Faserverlauf im Hinterhorn des menschlichen Rückenmarkes und zum Verhalten desselben bei Tabes dorsalis. *Arch. Psychiat. Nervenkrankh.*, 17, 377-438.

Loewy AD, Marson L, Parkinson D, Perry MA, Sawyer WB (1986) Descending noradrenergic pathways involved in the A₅ depressor response. *Brain Res.*, 386, 313-324.

Loewy AD, Saper CB, Yamodis ND (1978) Re-evaluation of the efferent projections of the Edinger-Westphal nucleus in the cat. *Brain Res.*, 141, 153-159.

Loo YT (1931) The forebrain of the opossum, *Didelphis virginiana*. *J. Comp. Neurol.*, 52, 1-148.

Lorente de Nó R (1922) Contribución al conocimiento del nervio trigémino. In: *Libro en Honor de D.S. Ramón y Cajal: Trabajos Originales de sus Admiradores y Discípulos, Extranjeros y Nacionales, Tomo 2*, pp. 13-30. Madrid.

Lorente de Nó R (1934) Studies on the structure of the cerebral cortex. II. Continuation of the study of the ammonic system. *J. Psychol. Neurol.*, 46, 113-177.

Low JST, Mantle-St John LA, Tracey DJ (1986) Nucleus Z in the rat: spinal afferents from collaterals of dorsal spinocerebellar tract neurons. *J. Comp. Neurol.*, 243, 510-526.

Lund RD (1966) The occipitotectal pathway of the rat. *J. Anat.*, 100, 51-62.

Lund RD, Webster KE (1967a) Thalamic afferents from the dorsal column nuclei. An experimental anatomical study in the rat. *J. Comp. Neurol.*, 130, 301-312.

Lund RD, Webster KE (1967b) Thalamic afferents from the spinal cord and trigeminal nuclei. An experimental anatomical study in the rat. *J. Comp. Neurol.*, 130, 313-328.

Luo PF, Wang BR, Peng ZZ, Li JS (1991) Morphological characteristics and terminating patterns of masseteric neurons of the mesencephalic trigeminal nucleus in the rat: an intracellular horseradish peroxidase labeling study. *J. Comp. Neurol.*, 303, 286-299.

Luppi PH, Fort P, Jouvet M (1990) Iontophoretic application of unconjugated cholera toxin B unit (CTb) combined with immunohistochemistry and neurochemical substances: a method for neurotransmitter identification of retrogradely labeled neurons. *Brain Res.*, 534, 209-224.

Luschka H (1855) *Die Adergeflechte des menschlichen Gehirns, eine Monographie*. Georg Reimer, Berlin.

Luys JB (1865) *Recherches sur le Système Nerveux Cérébrospinal*, with separate volume of 40 plates. J.B. Baillière & Fils, Paris.

Macchi G, Bentivoglio M (1986) The thalamic intralaminar nuclei and the cerebral cortex. In: Jones EG, Peters A (Eds.), *Cerebral Cortex, Vol. 5, Sensory-Motor Areas and Aspects of Cortical Connectivity*, pp. 355-401. Plenum Press, New York.

Magendie F (1842) *Recherches physiologiques et cliniques sur le liquide céphalorachidien ou cérébro-spinal*. Méquignon-Marvis, Paris.

Malmierca MS, Blackstad TW, Osen KK, Karagülle T, Molowny RL (1993) The central nucleus of the inferior colliculus in rat: a Golgi and computer reconstruction study of neuronal and laminar structure. *J. Comp. Neurol.*, 333, 1-27.

Malone E (1910) Über die Kerne des menschlichen Zwischenhirns. *Neurol. Zbl.*, 29, 290-300.

Mantle-St John LA, Tracey DJ (1987) Somatosensory nuclei in the brainstem of the rat: independent projections to the thalamus and cerebellum. *J. Comp. Neurol.*, 255, 259-271.

Marburg O (1904) *Mikroskopisch-topographischer Atlas des menschlichen Zentralnervensystems*. F. Deuticke, Leipzig.

Marchi V, Algeri G (1885) Sulle degenerazioni discendenti consecutive a lesioni sperimentale in diverse zone della corteccia cerebrale. *Riv. Sper. Freniat.*, 11, 492-494.

Marfurt CF, Rajchert DM (1991) Trigeminal primary afferent projections to “non-trigeminal” areas of the rat central nervous system. *J. Comp. Neurol.*, 303, 489-511.

Markakis EA, Swanson LW (1997) Spatiotemporal patterns of secretomotor neuron generation in the parvicellular neuroendocrine system. *Brain Res. Rev.*, 24, 255-291.

Martin MR, Caddy KWT, Biscoe TJ (1977) Numbers and diameters of motoneurons and myelinated axons in the facial nucleus and nerve of the albino rat. *J. Anat.*, 123, 579-587.

Martin X, Dolivo M (1983) Neuronal and transneuronal tracing in the trigeminal system of the rat using the herpes virus suis. *Brain Res.*, 273, 253-276.

Maslany S, Crockett DP, Egger MD (1991) Somatotopic organization of the dorsal column nuclei in the rat: transganglionic labelling with B-HRP and WGA-HRP. *Brain Res.*, 564, 56-65.

Mason P, Floeter MK, Fields HL (1990) Somatodendritic morphology of on- and off-cells in the rostral ventromedial medulla. *J. Comp. Neurol.*, 301, 23-43.

Massopust LC, Hauge DH, Ferneding JC, Doubek WG, Taylor JJ (1985) Projection systems and terminal localization of dorsal column afferents: an autoradiographic and horseradish peroxidase study in the rat. *J. Comp. Neurol.*, 237, 533-544.

Matsushita M, Hosoya Y (1979) Cells of origin of the spinocerebellar tract in the rat, studies with the method of retrograde transport of horseradish peroxidase. *Brain Res.*, 173, 185-200.

Matsushita M, Ragnarson B, Grant G (1991) Topographic relationship between sagittal Purkinje cell bands revealed by a monoclonal antibody to zebrin I and spinocerebellar projections arising from the central cervical nucleus in the rat. *Exp. Brain Res.*, 84, 133-141.

Mawe GM, Bresnahan JC, Beattie MS (1986) A light and electron microscopic analysis of the sacral parasympathetic nucleus after labelling primary afferent and efferent elements with HRP. *J. Comp. Neurol.*, 250, 33-57.

McCrea RA, Baker R (1985) Cytology and intrinsic organization of the perihypoglossal nuclei in the cat. *J. Comp. Neurol.*, 237, 360-376.

McDonald AJ (1982) Cytoarchitecture of the central amygdaloid nucleus of the rat. *J. Comp. Neurol.*, 208, 401-418.

McDonald AJ (1983) Cytoarchitecture of the nucleus of the lateral olfactory tract: a Golgi study in the rat. *Brain Res. Bull.*, 10, 497-503.

McFarland WL, Morgane PJ, Jacobs MS (1969) Ventricular system of the brain of the dolphin, *Tursiops truncatus*, with comparative anatomical observations and relations to brain specializations. *J. Comp. Neurol.*, 135, 275-368.

McLardy T (1955) Observations on the fornix of the monkey: II. Fiber studies. *J. Comp. Neurol.*, 103, 327-343.

Meckel JF (1748) *Tractus Anatomico-physiologicus de quinto pare nervorum cerebri.* A. Vandenhoeck, Göttingen.

Meessen H, Olszewski J (1949) *A Cytoarchitectonic Atlas of the Rhombencephalon of the Rabbit.* S. Karger, Basel.

Mehler WR (1969) Some neurological species differences—*a posteriori.* *Ann. NY Acad. Sci.*, 167, 424-468.

Mehler WR (1983) Observations on the connectivity of the parvicellular reticular formation with respect to a vomiting center. *Brain Behav. Evol.*, 23, 63-80.

Mehler WR, Rubertone JA (1985) Anatomy of the vestibular nucleus complex. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 2, Hindbrain and Spinal Cord*, pp. 185-219. Academic Press, New York.

Meissner G (1857) Ueber die Nerven der Darmwand. *Zeitschr. f. ration. Medic. N.*, 8, 364-366.

Merchán MA, Berbel P (1996) Anatomy of the ventral nucleus of the lateral lemniscus in rats: a nucleus with a concentric laminar organization. *J. Comp. Neurol.*, 372, 245-263.

Merchán MA, Collia F, Lopez DE, Saldaña E (1988) Morphology of cochlear root neurons in the rat. *J. Neurocytol.*, 17, 711-725.

Merksz M, Ambach G, Palkovits M (1978) Blood supply of the rat amygdala. *Acta morphol. Acad. Sci. Hung.*, 26, 139-171.

Mesulam M-M (1982) Principles of horseradish peroxidase neurochemistry and their applications for tracing neural pathways—axonal transport, enzyme histochemistry and light microscopic analysis. In: Mesulam M-M (Ed.), *Tracing Neural Connections with Horseradish Peroxidase*, pp. 1-151. Wiley, Sussex.

Meyer G, Gonzalez-Hernandez T, Carrillo-Padilla F, Ferres-Torres R (1989) Aggregations of granule cells in the basal forebrain (islands of Calleja): Golgi and cytoarchitectonic study in different mammals, including man. *J. Comp. Neurol.*, 284, 405-428.

Meynert T (1867) Der Bau der Grosshirnrinde und seine örtlichen Verschiedenheiten, nebst einem pathologisch-anatomischen Corollarium. *Vjschr. Psychiat.*, 1, 77-93, 126-170, 198-217.

Meynert T (1872) The brain of mammals. In Stricker S (Ed.), *A Manual of Histology*, pp. 650-766. Wm. Wood & Co., New York.

Meynert T (1884) *Psychiatrie, Klinik der Erkrankungen des Vorderhirns*. Braumüller, Vienna.

Mihailoff GA, Kosinski RJ, Azizi SA, Border BG (1989) Survey of noncortical afferent projections to the basilar pontine nuclei: a retrograde tracing study in the rat. *J. Comp. Neurol.*, 282, 617-643.

Mihailoff GA, Lee H, Watt CB, Yates R (1985) Projections to the basilar pontine nuclei from face sensory and motor regions of the cerebral cortex in the rat. *J. Comp. Neurol.*, 237, 251-263.

Mihailoff GA, McArdle CB, Adams CE (1981) The cytoarchitecture, cytology, and synaptic organization of the basilar pontine nuclei in the rat. I. Nissl and Golgi studies. *J. Comp. Neurol.*, 195, 181-201.

Miller MW, Vogt BA (1984) Direct connections of rat visual cortex with sensory, motor, and association cortices. *J. Comp. Neurol.*, 226, 184-202.

Millhouse OE (1986) The intercalated cells of the amygdala. *J. Comp. Neurol.*, 247, 246-271.

Millhouse OE, Heimer L (1984) Cell configurations in the olfactory tubercle of the rat. *J. Comp. Neurol.*, 228, 571-597.

Millhouse OE, Uemura-Sumi M (1985) The structure of the nucleus of the lateral olfactory tract. *J. Comp. Neurol.*, 233, 517-552.

Mislawsky N (1885) Zur Lehre vom Atmungscentrum. *Zentbl. med. Wiss.*, 23, 465-466.

Miura M, Okada J, Takayama K (1996) Parapyramidal rostroventromedial medulla as a respiratory rhythm modulator. *Neurosci. Lett.*, 203, 41-44.

Mizuno N, Konishi A, Sato M (1975) Localization of masticatory motoneurons in the cat and rat by means of retrograde axonal transport of horseradish peroxidase. *J. Comp. Neurol.*, 164, 105-116.

Moffat DB (1957) The development of the hindbrain arteries in the rat. *J. Anat. (Lond.)*, 91, 24-39.

Molander C, Xu Q, Grant G (1984) The cytoarchitectonic organization of the spinal cord in the rat. I. The lower thoracic and lumbosacral cord. *J. Comp. Neurol.*, 280, 133-141.

Molander C, Xu Q, Rivero-Melian C, Grant G (1989) Cytoarchitectonic organization of the spinal cord in the rat: II. The cervical and upper thoracic cord. *J. Comp. Neurol.*, 289, 375-385.

Molinari HH, Starr KA (1989) Spino-olivary termination on spines in cat medial accessory olive. *J. Comp. Neurol.*, 288, 254-262.

Monakow C (1885) Neue experimentelle Beiträge zur Anatomie der Schleife. *Neurol. Zentbl.*, 4, 265-268.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Monakow C (1891) Striae acusticae und untere Schleife. *Arch. Psychiat. Nervenkr.*, 22, 1-26.

Monakow C (1895) Experimentelle und pathologisch-anatomische Untersuchungen über die Haubenregion, den Sehhügel und die Regio subthalamica. *Arch. Psychiat. Nervenkr.*, 27, 1-128, 386-479.

Monro A (1783) *Observations on the structure and Functions of the Nervous System*. W. Creech, Edinburgh.

Moore RY, Card JP (1994) Intergeniculate leaflet: an anatomically and functionally distinct subdivision of the lateral geniculate complex. *J. Comp. Neurol.*, 344, 403-430.

Morest DK (1973) Auditory neurons of the brain stem. *Adv. Oto-rhino-laryngol.* 20, 337-356.

Morest DK, Morest RR (1966) Perfusion-fixation of the brain with chrome-osmium solutions for the rapid Golgi method. *Am. J. Anat.*, 118, 811-832.

Mugnaini E, Warr, WB, Osen KK (1980) Distribution and light microscopic features of granule cells in the cochlear nuclei of cat, rat, and mouse. *J. Comp. Neurol.*, 191, 581-606.

Müller, J (1843) *Elements of Physiology*. Lea and Blanchard, Philadelphia.

Müntener M, Gottschall J, Neuhuber W, Mysicka A, Zenker W (1980) The ansa cervicalis and the infrahyoid muscles of the rat. I. Anatomy, distribution, number and diameter of fiber types; motor units. *Anat. Embryol.*, 159, 49-57.

Nageotte J (1906) The pars intermedia or nervus intermedius of Wristsberg and the bulbo-pontine gustatory nucleus in man. *Rev. Neurol. Psychiat.*, 4, 473-488.

Nahin RL (1987) Immunocytochemical identification of long ascending peptidergic neurons contributing to the spinoreticular tract in the rat. *Neurosci.*, 23, 859-869.

Nahin RL, Madsen AM, Giesler Jr GJ (1983) Anatomical and physiological studies of the gray matter surrounding the spinal cord central canal. *J. Comp. Neurol.*, 220, 321-335.

Nance DM, Burns J (1990) Fluorescent dextrans as sensitive anterograde neuroanatomical tracers: applications and pitfalls. *Brain Res. Bull.*, 25, 139-145.

Nauta WJH, Domesick VB (1979) The anatomy of the extrapyramidal system. In: Fuxe K, Calne DB (Eds.), *Dopaminergic Ergot Derivatives and Motor Function*, pp. 3-22. Pergamon Press, Oxford.

Nauta WJH, Ebbesson SOE (1970) *Contemporary Research Methods in Neuroanatomy*. Springer-Verlag, New York.

Nauta WJH, Haymaker W (1969) Hypothalamic nuclei and fiber connections. In: Haymaker W, Anderson E, Nauta WJH (Eds.), *The Hypothalamus*, pp. 136-209. Chas. C Thomas, Springfield IL.

Nauta WJH, Ryan LF (1952) Selective silver impregnation of degenerating axons in the central nervous system. *Stain Tech.*, 27, 175-179.

Neafsey EJ, Bold EL, Haas G, Hurley-Gius KM, Quirk G, Sievert CF, Terreberry RR (1986) The organization of the rat motor cortex: a microstimulation mapping study. *Brain Res. Rev.*, 11, 77-96.

Nelson BJ, Mugnaini E (1988) The rat inferior olive as seen with immunostaining for glutamate decarboxylase. *Anat. Embryol.*, 179, 109-127.

Neuhuber WL, Zenker W (1989) Central distribution of cervical primary afferents in the rat, with emphasis on proprioceptive projections to vestibular, perihypoglossal, and upper thoracic spinal nuclei. *J. Comp. Neurol.*, 280, 231-253.

Newman DB (1985a) Distinguishing rat brainstem reticulospinal nuclei by their neuronal morphology. I. Medullary nuclei. *J. Hirnforsch.*, 26, 187-226.

Newman DB (1985b) Distinguishing rat brainstem reticulospinal nuclei by their neuronal morphology. II. Pontine and mesencephalic nuclei. *J. Hirnforsch.*, 26, 385-418.

Nieuwenhuys R, Geeraedts LMG, Veening JG (1982) The medial forebrain bundle of the rat. *J. Comp. Neurol.*, 206, 49-81.

Nieuwenhuys R, Voogd J, van Huijzen C (1988) *The Human Central Nervous System. A Synopsis and Atlas, 3rd revised edn.* Springer-Verlag, New York.

Nissl F (1889) Die Kerne des Thalamus beim Kaninchen. *Neurol. Zbl.*, 8, 549-550.

Nissl F (1894) Über die sogenannten Granula der Nervenzellen. *Neurol. Zentralb.*, 13, 676-685.

Nissl F (1913) Die Grosshirnanteile des Kaninchens. *Arch. Psychiat. Nervenkr.*, 52, 867-953.

Noguez P (1726) *L'Anatomie du Corps de l'Homme en Abrégé*. Cavelier, Paris (first published 1723).

Nomina Anatomica (1983) 5th edn. Williams & Wilkins, Baltimore.

Nord SG (1967) Somatotopic organization in the spinal trigeminal nucleus, the dorsal column nuclei and related structures in the rat. *J. Comp. Neurol.*, 130, 343-356.

Norgren R, Smith GP (1988) Central distribution of subdiaphragmatic vagal branches in the rat. *J. Comp. Neurol.*, 273, 207-223.

Obersteiner, H (1888) *Anleitung beim Studium des Baues der nervösen Centralorgane im gesunden und kranken Zustände*. Toeplitz & Deuticke, Leipzig.

Olszewski J (1950) On the anatomical and functional organization of the spinal trigeminal nucleus. *J. Comp. Neurol.*, 92, 401-413.

Olszewski J, Baxter D (1954) *Cytoarchitecture of the Human Brain Stem*. Karger, New York.

Onuf (Onufrowicz) B (1900) On the arrangement and function of the cell groups of the sacral region of the spinal cord in man. *Arch. Neurol. Psychopathol. (Chic.)*, 3, 387-412.

O'Rahilly R (1989) Anatomical terminology, then and now. *Acta Anat.*, 134, 291-300.

Ornstein L (1986) Cryostat frozen sectioning aid for facile production of freeze-substituted sections. *J. Cell Biol.*, 103, 428a.

Osen KK, Mugnaini E, Dahl A-L, Christiansen AH (1984) Histochemical localization of acetylcholinesterase in the cochlear and superior olivary nuclei. A reappraisal with emphasis on the cochlear granule cell system. *Arch. Ital. Biol.*, 122, 169-212.

Palay SL, Chan-Palay V (1974) *Cerebellar Cortex. Cytology and Organization*. Springer-Verlag, New York.

Palkovits M, Zaborsky L, Ambach G (1974) Accessory neurosecretory cell groups in the rat hypothalamus. *Acta Morphol. Acad. Sci. Hung.*, 22, 21-33.

Papez JW (1932) The thalamic nuclei of the nine-banded armadillo (*Tatysua novemcincta*). *J. Comp. Neurol.*, 56, 49-103.

Pardini BJ, Lund DD, Schmid PG (1990) Innervation patterns of the middle cervical-stellate ganglion complex in the rat. *Neurosci. Lett.*, 117, 300-306.

Park MR (1987) Intracellular horseradish peroxidase labeling of rapidly firing dorsal raphe projection neurons. *Brain Res.*, 402, 117-130.

Patrickson JW, Smith TE, Zhou S-S (1991) Motor neurons of the laryngeal nerves. *Anat. Rec.*, 230, 551-556.

Paxinos G, Butcher LL (1985) Organization principles of the brain as revealed by choline acetyltransferase and acetylcholinesterase distribution and projections. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 2, Hindbrain and Spinal Cord*, pp. 487-521. Academic Press, New York.

Paxinos G, Watson C (1986) *The Rat Brain in Stereotaxic Coordinates*, 2nd edn. Academic Press, New York.

Paxinos G, Watson C (1998) *The Rat Brain in Stereotaxic Coordinates*, 4th edn. Academic Press, San Diego.

Pellegrino LJ, Pellegrino AS, Cushman AJ (1979) *A Stereotaxic Atlas of the Rat Brain*, 2nd edn. Plenum Press, New York.

Perry VH (1981) Evidence for an amacrine cell system in the ganglion cell layer of the rat retina. *Neurosci.*, 6, 931-944.

Peters A, Palay SL, Webster H deF (1991) *The Fine Structure of the Nervous System: Neurons and Their Supporting Cells*. 3rd edn. Oxford University Press, New York.

Peterson RP (1966) Magnocellular neurosecretory centers in the rat hypothalamus. *J. Comp. Neurol.*, 128, 181-190.

Petras JM, Cummings JF (1972) Autonomic neurons in the spinal cord of the Rhesus monkey: a correlation of the findings of cytoarchitectonics and sympathectomy with fiber degeneration following dorsal rhizotomy. *J. Comp. Neurol.*, 146, 189-218.

Petrovich GD, Canteras NS, Swanson LW (2001) Combinatorial amygdalar inputs to hippocampal domains and hypothalamic behavior circuits. *Brain Res. Rev.*, 38, 247-289.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Petrovich GD, Risold PY, Swanson LW (1996) Organization of projections from the basomedial nucleus of the amygdala: a PHAL study in the rat. *J. Comp. Neurol.*, 374, 387-420.

Petrovich GD, Swanson LW (1997) Projections from the lateral part of the central amygdalar nucleus to the postulated fear conditioning circuit. *Brain Res.*, 763, 247-254.

Phelan KD, Falls WM (1989a) An analysis of the cyto- and myeloarchitectonic organization of trigeminal nucleus interpolaris in the rat. *Somatosensory Motor Res.*, 6, 333-366.

Phelan KD, Falls WM (1989b) The interstitial system of the spinal trigeminal tract in the rat: an anatomical evidence for morphological and functional heterogeneity. *Somatosensory Motor Res.*, 6, 367-399.

Phillipson OT (1979) A Golgi study of the ventral tegmental area of Tsai and interfascicular nucleus in the rat. *J. Comp. Neurol.*, 187, 99-116.

Pines JL (1927) Zur Architektonik des Thalamus opticus beim Halbaffen (*Lemur catta*). *J. Psychol. Neurol. (Leipzig)*, 33, 31-72.

Pourfour du Petit F (1710) Lettres d'un médecin des hôpitaux du roi. In: *Recueil d'Observations d'Anatomie et de Chirurgie* (1788). A. Louis, Paris.

Powell TPS, Cowan WM (1955) An experimental study of the efferent connexions of the hippocampus. *Brain*, 78, 115-135.

Price DJ, Aslam S, Tasker L, Gilles K (1997) Fates of the earliest generated cells in the developing murine neocortex. *J. Comp. Neurol.*, 377, 414-422.

Price JL (1973) An autoradiographic study of complementary laminar patterns of termination of afferent fibers to the olfactory cortex. *J. Comp. Neurol.*, 150, 87-108.

Price JL (1987) The central olfactory and accessory olfactory systems. In: Finger TE, Silver WL (Eds.), *Neurobiology of Taste and Smell*, pp. 179-203. Wiley & Sons, New York.

Price JL (1995) Thalamus. In: Paxinos G (Ed.), *The Rat Nervous System*, 2nd edn., pp. 629-648. Academic Press, San Diego.

Price JL, Powell TPS (1970) An experimental study of the origin and the course of the centrifugal fibers to the olfactory bulb in the rat. *J. Anat.*, 107, 215-237.

Price JL, Russchen FT, Amaral DG (1987) The limbic region. II. The amygdaloid complex. In: Hökfelt T, Björklund, Swanson LW (Eds.), *Handbook of Chemical Neuroanatomy*, Vol. 5: *Integrated Systems of the CNS, Part I*, pp. 279-388. Elsevier, New York.

Price JL, Slotnick BM (1983) Dual olfactory representation in the rat thalamus: an anatomical and electrophysiological study. *J. Comp. Neurol.*, 215, 63-77.

Privat A, LeBlond CP (1972) The subependymal layer and neighboring region in the brain of the young rat. *J. Comp. Neurol.*, 146, 277-302.

Putnam TJ (1922) The intercolumnar tubercle, an undescribed area in the anterior wall of the third ventricle. *Bull. Johns Hopkins Hosp.*, 33, 181-182.

Raisman G (1966) The connexions of the septum. *Brain*, 89, 317-348.

Rajakumar N, Elisevich K, Flummerfelt BA (1993) Compartmental origin of the striato-entopeduncular projection in the rat. *J. Comp. Neurol.*, 331, 286-296.

Redgrave P, Dean P, Westby GWM (1990) Organization of the crossed tecto-reticulo-spinal projection in rat. I. Anatomical evidence for separate output channels to the periabducens area and caudal medulla. *Neurosci.*, 37, 571-584.

Redgrave P, Mitchell IJ, Dean P (1987) Descending projections from the superior colliculus in rat: a study using orthograde transport of wheat germ-agglutinin conjugated horseradish peroxidase. *Exp. Brain Res.*, 68, 147-167.

Reese BE (1987a) The distribution of axons according to diameter in the optic nerve and optic tract of the rat. *Neurosci.*, 22, 1015-1024.

Reese BE (1987b) The position of the crossed and uncrossed optic axons, and the non-optic axons, in the optic tract of the rat. *Neurosci.*, 22, 1025-1039.

Reese BE (1988) 'Hidden lamination' in the dorsal lateral geniculate nucleus: the functional organization of this thalamic region in the rat. *Brain Res. Rev.*, 13, 119-137.

Reichert CB (1859-1861) *Der Bau des menschlichen Gehirns*. W. Engelmann, Leipzig.

Reid JM, Gwyn DG, Flumerfelt BA (1975) A cytoarchitectonic and Golgi study of the red nucleus in the rat. *J. Comp. Neurol.*, 162, 337-362.

Reid SNM, Juraska JM (1991) The cytoarchitectonic boundaries of the monocular and binocular areas of the rat primary visual cortex. *Brain Res.*, 563, 293-296.

Reil JC (1809) Untersuchungen über den Bau des grossen Gehirns im Menschen. *Arch. Physiol. (Halle)*, 9, 136-524.

Rexed B (1952) The cytoarchitectonic organization of the spinal cord in the cat. *J. Comp. Neurol.*, 96, 415-495.

Rexed B (1954) A cytoarchitectonic atlas of the spinal cord in the cat. *J. Comp. Neurol.*, 100, 297-379.

Rexed B, Brodal A (1951) The nucleus cervicalis lateralis—a spino-cerebellar relay nucleus. *J. Neurophysiol.*, 14, 399-407.

Rhines R, Windle WF (1941) The early development of the fasciculus longitudinalis medialis and associated secondary neurons in the rat, cat and man. *J. Comp. Neurol.*, 75, 165-189.

Ricardo JA (1980) Efferent connections of the subthalamic region in the rat. I. The subthalamic nucleus of Luys. *Brain Res.*, 202, 257-271.

Riddle DR, Purves D (1995) Individual variation and lateral asymmetry of the rat primary somatosensory cortex. *J. Neurosci.*, 15, 4184-4195.

Ridley H (1695) *Anatomy of the Brain*. Smith, London.

Rioch DM (1929) Studies on the diencephalon of Carnivora. Part II: Certain nuclear configurations and fiber connections of the subthalamus and midbrain of the dog and cat. *J. Comp. Neurol.*, 49, 121-153.

Rioch DM, Wislocki GB, O'Leary JL (1940) A précis of preoptic, hypothalamic and hypophysial terminology with atlas. *Res. Publ. Ass. nerv. ment. Dis.*, 20, 3-30.

Riolan J (1649) *Anthropographiae*. In: *Opera anatomica...*, Meturas, Paris.

Risold PY, Canteras NS, Swanson LW (1994) Organization of projections from the anterior hypothalamic nucleus: a *Phaseolus vulgaris*-leucoagglutinin study in the rat. *J. Comp. Neurol.*, 348, 1-40.

Risold PY, Swanson LW (1995a) Evidence for a hypothalamocortical circuit mediating pheromonal influences on eye and head movements. *Proc. Natl. Acad. Sci. USA*, 92, 3898-3902.

Risold PY, Swanson LW (1995b) Cajal's nucleus of the stria medullaris: characterization by in situ hybridization and immunohistochemistry for enkephalin. *J. Chem. Neuroanat.*, 9, 235-240.

Risold PY, Swanson LW (1997a) Chemoarchitecture of the rat lateral septal nucleus. *Brain Res. Rev.*, 24, 91-113.

Risold PY, Swanson LW (1997b) Connections of the rat lateral septal complex. *Brain Res. Rev.*, 24, 115-195.

Risold PY, Thompson RH, Swanson LW (1997) The structural organization of connections between hypothalamus and cerebral cortex. *Brain Res. Rev.*, 24, 197-254.

Rivero-Melián C, Grant G (1990) Distribution of lumbar dorsal root fibers in the lower thoracic and lumbosacral spinal cord of the rat studied with choleraenoid horseradish peroxidase conjugate. *J. Comp. Neurol.*, 299, 470-481.

Robinson AH, Petchenik BB (1976) *The Nature of Maps. Essays Toward Understanding Maps and Mapping*. University of Chicago Press, Chicago.

Rokx JTM, Jüch PJW, van Willigen JD (1986a) Arrangement and connections of mesencephalic trigeminal neurons in the rat. *Acta Anat.*, 127, 7-15.

Rokx JTM, van Willigen JD, Jüch PJW (1986b) Bilateral brainstem connections of the rat supratrigeminal region. *Acta Anat.*, 127, 16-21.

Rolando L (1809) *Saggio sopra la vera struttura del cervello dell'uomo e degl'animali e sopra le funzioni del sistema nervoso*. Stampa Privileg., Sassari.

Roller FCW (1881) Ein kleinzeliger Hypoglossuskern. *Arch. mikr. Anat.*, 19, 383-395.

Rose JE (1942) The thalamus of the sheep: cellular and fibrous structure and comparison with pig, rabbit and cat. *J. Comp. Neurol.*, 77, 469-523.

Rose JE, Mountcastle VB (1952) The thalamic tactile region in rabbit and cat. *J. Comp. Neurol.*, 97, 441-489.

Ross CA, Ruggiero DA, Reis DJ (1985) Projections from the nucleus tractus solitarii to the rostral ventrolateral medulla. *J. Comp. Neurol.*, 242, 511-534.

Rubertone JA, Mehler WR, Voogd J (1995) The vestibular nucleus complex. In: Paxinos G (Ed.), *The Rat Nervous System, 2nd edn.*, pp. 773-796. Academic Press, San Diego.

Rubin E, Purves D (1980) Segmental organization of sympathetic preganglionic neurons in the mammalian spinal cord. *J. Comp. Neurol.*, 192, 163-174.

Russell JSR (1894) Degenerations consequent on experimental lesions of the cerebellum. *Proc. Roy. Soc., Lond.*, 56, 303.

Rustioni A, Weinberg RJ (1989) The somatosensory system. In: Björklund A, Hökfelt T, Swanson LW (Eds.), *Handbook of Chemical Neuroanatomy, Vol. 7: Integrated Systems of the CNS, Part II*, pp. 219-321. Elsevier, New York.

Rutherford JG, Gwyn DG (1982) A light and electron microscopic study of the interstitial nucleus of Cajal in rat. *J. Comp. Neurol.*, 205, 327-340.

Rutherford JG, Zuk-Harper A, Gwyn DG (1989) A comparison of the distribution of the cerebellar and cortical connections of the nucleus of Darkschewitsch (ND) in the cat: a study using anterograde and retrograde HRP tracing techniques. *Anat. Embryol.*, 180, 485-496.

Rye DB, Lee HJ, Saper CB, Wainer BH (1988) Medullary and spinal efferents of the pedunculopontine tegmental nucleus and adjacent mesopontine tegmentum in the rat. *J. Comp. Neurol.*, 269, 315-341.

Rye DB, Saper CB, Lee JH, Wainer BH (1987) Pedunculopontine tegmental nucleus of the rat: cytoarchitecture, cytochemistry, and some extrapyramidal connections of the mesopontine tegmentum. *J. Comp. Neurol.*, 259, 483-528.

Rye DB, Wainer BH, Mesulam MM, Mufson EJ, Saper CB (1984) Cortical projections arising from the basal forebrain: a study of cholinergic and non-cholinergic components employing combined retrograde tracing and immunohistochemical localizations of choline acetyltransferase. *Neurosci.*, 13, 627-643.

Sala L (1891) Zur Anatomie des grossen Seepferdefusses. *Z. wiss. Zool.*, 52, 18-45.

Sally SL, Kelly JB (1988) Organization of auditory cortex in the albino rat: sound frequency. *J. Neurophysiol.*, 59, 1627-1638.

Sanderson KJ, Welker W, Shambes GM (1984) Reevaluation of motor cortex and of sensorimotor overlap in cerebral cortex of albino rats. *Brain Res.*, 292, 251-260.

Santorini GD (1724) *Observationes Anatomicae*. Recurta, Venice.

Saper CB (1984) Organization of cerebral cortical afferent systems in the rat. II. Magnocellular basal nucleus. *J. Comp. Neurol.*, 222, 313-342.

Saper CB, Loewy AD, Swanson LW, Cowan WM (1976b) Direct hypothalamo-autonomic connections. *Brain Res.*, 117, 305-312.

Saper CB, Swanson LW, Cowan WM (1976a) The efferent connections of the ventromedial nucleus of the hypothalamus of the rat. *J. Comp. Neurol.*, 169, 409-442.

Saper CB, Swanson LW, Cowan WM (1978) The efferent connections of the anterior hypothalamic area of the rat, cat and monkey. *J. Comp. Neurol.*, 182, 575-600.

Sasaki M, Arnold AP (1991) Androgenic regulation of dendritic trees of motoneurons in the spinal nucleus of the bulbocavernosus: reconstruction after intracellular iontophoresis of horseradish peroxidase. *J. Comp. Neurol.*, 308, 11-27.

Sawchenko PE, Swanson LW (1981) A method for tracing biochemically defined pathways in the central nervous system using combined fluorescence retrograde transport and immunohistochemical techniques. *Brain Res.*, 210, 31-51.

Sawchenko PE, Swanson LW (1990) Growth hormone releasing hormone. In: Björklund A, Hökfelt T, Kuhar MJ (Eds.), *Handbook of Chemical Neuroanatomy, Vol. 9: Neuropeptides in the CNS, Part II*, pp. 131-163. Elsevier, New York.

Sawchenko PE, Swanson LW, Grzanna R, Howe PRC, Bloom SR, Polak JM (1985) Colocalization of neuropeptide Y immunoreactivity in brainstem catecholaminergic neurons that project to the paraventricular nucleus of the hypothalamus. *J. Comp. Neurol.*, 241, 138-153.

Sawyer SF, Young SJ, Groves PM (1989) Quantitative Golgi study of anatomically identified subdivisions of motor thalamus in the rat. *J. Comp. Neurol.*, 286, 1-27.

Scalia F (1972) The termination of retinal axons in the pretectal region of mammals. *J. Comp. Neurol.*, 145, 223-258.

Scalia F, Winans SS (1975) The differential projections of the olfactory bulb and accessory olfactory bulb in mammals. *J. Comp. Neurol.*, 161, 31-56.

Scammell, TE, Elmquist JK, Griffin JD, Saper CB (1996) Ventromedial preoptic prostaglandin E2 activates fever-producing autonomic pathways. *J. Neurosci.* 16, 6246-6254.

Scarpa A (1779) *Anatomicarum annotationum liber primus. De nervorum gangliis et plexibus.* B. Soliani, Mutinae.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Schiller F (1969) Stilling's nuclei—turning point in basic neurology. *Bull. Hist. Med.*, 43, 67-84.

Schmued LC, Fallon JH (1986) Fluoro-Gold: a new fluorescent retrograde axonal tracer with numerous unique properties. *Brain Res.*, 377, 147-154.

Schneider JS, Denaro FJ, Olazabal UE, Leard HO (1981) Stereotaxic atlas of the trigeminal ganglion in rat, cat, and monkey. *Brain Res. Bull.*, 7, 93-95.

Schroeder van der Kolk JLC (1859) *Bau und Functionen der Medulla spinalis und oblongata*. (Theile FW, Trans.). Vieweg, Braunschweig.

Schütz H (1891) Anatomische Untersuchungen über den Faserverlauf im cerebralen Höhlengrau. *Arch. Psychiat. Nervenkr.*, 22, 527-587.

Schwalbe GA (1881) *Lehrbuch der Neurologie*. E Besold, Erlangen.

Schwanzel-Fukuda M, Morrell JI, Pfaff DW (1985) Ontogenesis of neurons producing luteinizing hormone-releasing hormone (LHRH) of the rat. *J. Comp. Neurol.*, 238, 348-364.

Schwind JL (1928) The development of the hypophysis cerebri of the albino rat. *Am. J. Anat.*, 41, 295-319.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Scremin OU (1995) Vasculature. In: Paxinos G (Ed.), *The Rat Nervous System, 2nd edn.*, pp. 3-35. Academic Press, San Diego.

Sefton AJ, Dreher B (1995) Visual system. In: Paxinos G (Ed.), *The Rat Nervous System, 2nd edn.*, pp. 833-898. Academic Press, San Diego.

Segovia S, Guillamón A (1993) Sexual dimorphism in the vomeronasal pathway and sex differences in reproductive behaviors. *Brain Res. Rev.*, 18, 51-74.

Seki M, Zyo K (1984) Anterior thalamic afferents from the mamillary body and the limbic cortex in the rat. *J. Comp. Neurol.*, 229, 242-256.

Senba E, Daddona PE, Nagy JI (1987) A subpopulation of preganglionic parasympathetic neurons in the rat contain adenosine deaminase. *Neurosci.*, 20, 487-502.

Shammah-Lagnado SJ, Alheid GF, Heimer L (2001) Striatal and central extended amygdala parts of the interstitial nucleus of the posterior limb of the anterior commissure: evidence from tract-tracing techniques in the rat. *J. Comp. Neurol.*, 439, 104-126.

Shapiro RE, Miselis RR (1985a) The central neural connections of the area postrema of the rat. *J. Comp. Neurol.*, 234, 344-364.

Shapiro RE, Miselis RR (1985b) The central organization of the vagus nerve innervating the stomach of the rat. *J. Comp. Neurol.*, 238, 473-488.

Shaver SW, Sposito NM, Gross PM (1990) Quantitative fine structure of capillaries in subregions of the rat subfornical organ. *J. Comp. Neurol.*, 294, 145-152.

Shepherd GM (1991) *Foundations of the Neuron Doctrine*. Oxford University Press, New York.

Sherin JE, Elmquist JK, Torrealba F, Saper CB (1998) Innervation of histaminergic tuberomammillary neurons by GABAergic and galaninergic neurons in the ventrolateral preoptic nucleus of the rat. *J. Neurosci.*, 18, 4705-4721.

Shibata H (1987) Ascending projections to the mammillary nuclei in the rat: a study using retrograde and anterograde transport of wheat germ agglutinin conjugated to horseradish peroxidase. *J. Comp. Neurol.*, 264, 205-215.

Shipley MT, McLean JH, Zimmer LA, Ennis M (1996) The olfactory system. In: Swanson LW, Björklund A, Hökfelt T (Eds.), *Handbook of Chemical Neuroanatomy*, Vol. 12: *Integrated Systems of the CNS, Part III*, pp. 469-573. Elsevier, Amsterdam.

Shiroyama T, Kayahara T, Yasui Y, Nomura J, Nakano K (1999) Projections of the vestibular nuclei to the thalamus in the rat: a *Phaseolus vulgaris* leucoagglutinin study. *J. Comp. Neurol.*, 407, 318-332.

Silverman JD, Kruger L (1990) Selective neuronal glycoconjugate expression in sensory and autonomic ganglia: relation of lectin reactivity to peptide and enzyme markers. *J. Neurocytol.*, 19, 789-801.

Simerly, RB (1995) Hormonal regulation of limbic and hypothalamic pathways. In: Micevych PE, Hammer Jr RP (Eds.), *Neurobiological Effects of Sex Steroid Hormones*, pp. 85-114. Cambridge University Press, New York.

Simerly RB, Swanson LW, Gorski RA (1984) Demonstration of a sexual dimorphism in the distribution of serotonin-immunoreactive fibers in the medial preoptic nucleus of the rat. *J. Comp. Neurol.*, 225, 151-166.

Siminoff R, Schwassmann HO, Kruger L (1968) Unit analysis of the pretectal nuclear group in the rat. *J. Comp. Neurol.*, 130, 329-342.

Simmons DM, Swanson LW (1993) The Nissl stain. *Neurosci. Protocols*, 050, 1201-07.

Soemmerring ST (1778) *De Basi Encephali et Originibus Nervorum Cranio Egredientium Libri Quinque*. Vanderhoeck, Göttingen.

Soemmerring ST (1798) *De Corporis Humani Fabrica*, Vol. 4. Moenum, Frankfurt.

Swanson, L.W. (2004) *Brain maps: structure of the rat brain, 3rd edition*

Solly S (1848) *The Human Brain: Its Structure, Physiology and Diseases. With a Description of the Typical Forms of the Brain in the Animal Kingdom.* Lea and Blanchard, Philadelphia.

Somana R, Walberg F (1978) Cerebellar afferents from the paramedian reticular nucleus studied with retrograde transport of horseradish peroxidase. *Anat. Embryol.*, 154, 353-368.

Spangler KM, Henkel CK, Miller Jr IJ (1982) Localization of the motor neurons to the tensor tympani muscle. *Neurosci. Lett.*, 32, 23-27.

Spatz H, Diepen R, Gaupp V (1948) Zur Anatomie des Infundibulum und des Tuber cinereum beim Kaninchen. *Dtsch. Z. Nervenheilk.*, 159, 229-268.

Spencer SE, Sawyer WB, Wada H, Platt KB, Loewy AD (1990) CNS projections to the pterygopalatine parasympathetic preganglionic neurons in the rat: a retrograde transneuronal viral cell body labeling study. *Brain Res.*, 534, 149-169.

Spiegel EA, Zweig H (1919) Zur Cytoarchitektonik des Tuber cinereum. *Arb. neurol. Inst. Univ. Wien*, 22, 278-295.

Spreafico R, Battaglia G, Frassoni C (1991) The reticular thalamic nucleus (RTN) of the rat: cytoarchitectural, Golgi, immunocytochemical, and horseradish peroxidase study. *J. Comp. Neurol.*, 304, 478-490.

Sripanidkulchai K, Wyss JM (1987) The laminar organization of efferent neuronal cell bodies in the retrosplenial granular cortex. *Brain Res.*, 406, 255-269.

Staderini R (1894) Sopra un nucleo di cellule nervose intercalato fra i nuclei di origine del Vago e dell'Ipoglosso. *Monitore zool. ital.*, 5, 178-183.

Staubesand J, Steel F (1988) A note on degenerative changes in anatomical terminology. *Acta Anat.*, 133, 265-268.

Steinbusch HWM, Nieuwenhuys R (1983) The raphe nuclei of the rat brainstem: a cytoarchitectonic and immunohistochemical study. In: Emson PC (Ed.), *Chemical Neuroanatomy*, pp. 131-207. Raven Press, New York.

Stilling B (1859) *Neue Untersuchungen ueber den feineren Bau des Rückenmarks*. H. Hotop, Cassel.

Strack AM, Sawyer WB, Marubio LM, Loewy AD (1988) Spinal origin of sympathetic preganglionic neurons in the rat. *Brain Res.*, 455, 187-191.

Streeter GL (1903) Anatomy of the floor of the fourth ventricle. *Am. J. Anat.*, 2, 299-313.

Streicher J, Weninger WJ, Müller GB (1997) External marker-based automatic congruencing: a new method of 3D reconstruction from serial sections. *Anat. Rec.* 248:583-602.

Strominger RN, McGiffen JE, Strominger NL (1987) Morphometric and experimental studies of the red nucleus in the albino rat. *Anat. Rec.*, 219, 420-428.

Strutz J (1982) The origin of efferent labyrinthine fibers: a comparative study in vertebrates. *Arch. Otorhinolaryngol.*, 234, 139-143.

Sutin J (1966) The periventricular stratum of the hypothalamus. *Int. Rev. Neurobiol.*, 9, 263-300.

Swanson LW (1976a) An autoradiographic study of the efferent connections of the preoptic region in the rat. *J. Comp. Neurol.*, 167, 227-256.

Swanson LW (1976b) The locus coeruleus: a cytoarchitectonic, Golgi, and immunohistochemical study in the albino rat. *Brain Res.*, 110, 39-56.

Swanson LW (1982) The projections of the ventral tegmental area and adjacent regions: a combined fluorescent retrograde tracer and immunofluorescence study in the rat. *Brain Res. Bull.*, 9, 321-353.

Swanson LW (1983) The hippocampus and the concept of the limbic system. In: Siefert W (Ed.), *Neurobiology of the Hippocampus*, pp. 3-19. Academic Press, New York.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Swanson LW (1987) The hypothalamus. In: Björklund A, Hökfelt T, Swanson LW (Eds.), *Handbook of Chemical Neuroanatomy, Vol. 5: Integrated Systems of the CNS, Part I*, pp. 1-124. Elsevier, New York.

Swanson LW (1991) Biochemical switching in hypothalamic circuits mediating responses to stress. *Prog. Brain Res.*, 87, 181-200.

Swanson LW (1992a) *Brain Maps: Structure of the Rat Brain*. Elsevier, Amsterdam.

Swanson LW (1992b) Spatiotemporal patterns of transcription factor gene expression accompanying the development and plasticity of cell phenotypes in the neuroendocrine system. *Prog. Brain Res.*, 92, 97-113.

Swanson LW (1993) *Brain Maps: Computer Graphics Files*. Elsevier, Amsterdam.

Swanson LW (1995) Mapping the human brain: past, present, and future. *Trends Neurosci.*, **18**, 471-474.

Swanson LW (1996) Histochemical contributions to the understanding of neuronal phenotypes and information flow through neural circuits: the polytransmitter hypothesis. In: Fuxe K, Hökfelt T, Olson L, Ottoson D, Dahlström A, Björklund A (Eds.), *Molecular Mechanisms of Neuronal Communication: A Tribute to Nils-Ake Hillarp*, pp. 15-27. Pergamon, New York.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Swanson LW. (1998-1999) *Brain Maps: Structure of the Rat Brain. A Laboratory Guide with Printed and Electronic Templates for Data, Models and Schematics*. Second revised edn. with 2 CD-ROMs. Elsevier, Amsterdam.

Swanson LW (2000a) A history of neuroanatomical mapping. In: Toga AW, Mazziotta JC (Eds.), *Brain Mapping: The Applications*, pp. 77-109. Academic Press, San Diego.

Swanson LW (2000b) What is the brain? *Trends Neurosci.*, 23, 519-527.

Swanson LW. (2000c) Cerebral hemisphere regulation of motivated behavior. *Brain Res.*, 886, 113-164.

Swanson, L.W. (2001) Interactive brain maps and atlases. In: Arbib MA, Grethe JG (Eds.), *Computing the Brain: A Guide to Neuroinformatics*, pp. 167-177. Academic Press, San Diego.

Swanson LW (2003a) *Brain Architecture: Understanding the Basic Plan*. Oxford University Press, Oxford.

Swanson LW (2003b) The amygdala and its place in the cerebral hemisphere. *Ann. N.Y. Acad. Sci.*, 985, 1-11.

Swanson LW, Cowan WM (1977) An autoradiographic study of the organization of the efferent connections of the hippocampal formation in the rat. *J. Comp. Neurol.*, 172, 49-84.

Swanson LW, Cowan WM (1979) The connections of the septal region in the rat. *J. Comp. Neurol.*, 186, 621-656.

Swanson LW, Cowan WM, Jones EG (1974) An autoradiographic study of the efferent connections of the ventral lateral geniculate nucleus in the albino rat and the cat. *J. Comp. Neurol.*, 156, 143-164.

Swanson LW, Köhler C, Björklund A (1987) The limbic region. I: The septohippocampal system. In: Björklund A, Hökfelt T, Swanson LW (Eds.), *Handbook of Chemical Neuroanatomy, Vol. 5: Integrated Systems of the CNS, Part I*, pp. 125-277. Elsevier, New York.

Swanson LW, Kuypers HGJM (1980) A direct projection from the ventromedial nucleus and retrochiasmatic area of the hypothalamus to the medulla and spinal cord of the rat. *Neurosci. Lett.*, 17, 307-312.

Swanson LW, McKellar S (1979) The distribution of oxytocin- and neurophysin-stained fibers in the spinal cord of the rat and monkey. *J. Comp. Neurol.*, 188, 87-106.

Swanson LW, Mogenson GJ, Gerfen CR, Robinson P (1984) Evidence for a projection from the lateral preoptic area and substantia innominata to the ‘mesencephalic locomotor region’ in the rat. *Brain Res.*, 295, 161-178.

Swanson LW, Mogenson GJ, Simerly RB, Wu M (1987) Anatomical and electro-physiological evidence for a projection from the medial preoptic area to the “mesencephalic and subthalamic locomotor regions” in the rat. *Brain Res.*, **405**, 108-122.

Swanson LW, Petrovich GD (1998) What is the amygdala? *Trends Neurosci.*, **21**, 323-331.

Swanson LW, Risold PY (2000) On the basic architecture of the septal region. In: Numan R (Ed.), *The Behavioral Neuroscience of the Septal Region*, pp. 1-14. Springer-Verlag, New York.

Swanson LW, Wyss JM, Cowan WM (1978) An autoradiographic study of the organization of intrahippocampal association pathways in the rat. *J. Comp. Neurol.*, **181**, 681-716

In: Björklund A, Hökfelt T, Swanson LW (Eds.), *Handbook of Chemical Neuroanatomy, Vol. 5: Integrated Systems of the CNS, Part I*, pp. 125-277. Elsevier, New York.

Swanson LW, Simmons DM (1989) Differential steroid hormone and neural influences on peptide mRNA levels in CRH cells of the paraventricular nucleus: a hybridization histochemical study in the rat. *J. Comp. Neurol.*, **285**, 413-435.

Swanson RS, Castro AJ (1983) The afferent connections of the inferior olfactory complex in rats. An anterograde study using autoradiographic and axonal degeneration techniques. *Neurosci.*, **8**, 259-275.

Sylvius (LeBoë F de) (1663) Disputationes medicae. In: *Opera Medica* (1679). van den Bergh, Amsterdam.

Szabó K (1990) The cranial venous system in the rat: anatomical pattern and ontogenetic development. I. Basal drainage. *Anat. Embryol.*, 182, 225-234.

Szabó K (1995) The cranial venous system in the rat: anatomical pattern and ontogenetic development. II. Dorsal drainage. *Annals Anat.* 177, 313-322.

Székely G, Matesz C (1982) The accessory motor nuclei of the trigeminal, facial, and abducens nerves in the rat. *J. Comp. Neurol.*, 210, 258-264.

Taber E (1961) The cytoarchitecture of the brain stem of the cat. I. Brain stem nuclei. *J. Comp. Neurol.*, 116, 27-70.

Taber E, Brodal A, Walberg F (1960) The raphe nuclei of the brain stem in the cat. I. Normal topography and cytoarchitecture and general discussion. *J. Comp. Neurol.*, 114, 161-187.

Taber Pierce E (1966) Histogenesis of the nuclei griseum pontis, corporis pontobulbaris and reticularis segmenti pontis (Bechterew) in the mouse. *J. Comp. Neurol.*, 126, 219-240.

Taber Pierce E (1967) Histogenesis of the dorsal and ventral cochlear nuclei in the mouse. An autoradiographic study. *J. Comp. Neurol.*, 131, 27-54.

Tanaka K, Otani K, Tokunaga A, Sugita S (1985) The organization of neurons in the nucleus of the lateral lemniscus projecting to the superior and inferior colliculi in the rat. *Brain Res.*, **341**, 252-260.

Tarin P (1750) *Adversaria Anatomica*. Moreau, Paris.

Taylor AM, Jeffery G, Lieberman AR (1986) Subcortical afferent and efferent connections of the superior colliculus in the rat and comparisons between albino and pigmented strains. *Exp. Brain Res.*, **62**, 131-142.

ter Horst GJ, Copray JCVM, Liem RSB, van Willigen JD (1991) Projections from the rostral parvocellular reticular formation to pontine and medullary nuclei in the rat: involvement in autonomic regulation and orofacial motor control. *Neurosci.*, **40**, 735-758.

Terubayashi H, Fujisawa H (1984) The accessory optic system of rodents: a whole-mount HRP study. *J. Comp. Neurol.*, **227**, 285-295.

Thiele FH, Horsley V (1901) A study of the degenerations observed in the central nervous system in a case of fracture dislocation of the spine. *Brain*, **24**, 519-531.

Thomas HC, Espinoza SG (1987) Relationships between interhemispheric cortical connections and visual areas in hooded rats. *Brain Res.*, **417**, 214-224.

Thompson RH, Canteras NS, Swanson LW (1996) The organization of projections from the dorsomedial nucleus of the hypothalamus: a PHAL study in the rat. *J. Comp. Neurol.*, 376, 143-173.

Thompson RH, Swanson LW (1998) Organization of inputs to the dorsomedial nucleus of the hypothalamus: a reexamination with fluorogold and PHAL in the rat. *Brain Res. Rev.* 27:89-118.

Thompson RH, Swanson LW (2003) Structural characterization of a hypothalamic visceromotor pattern generator network. *Brain Res. Rev.*, in press.

Thompson SM, Robertson RT (1987) Organization of subcortical pathways for sensory projections to the limbic cortex. I. Subcortical projections to the medial limbic cortex in the rat. *J. Comp. Neurol.*, 265, 175-188.

Todd AJ (1989) Cells in laminae III and IV of rat spinal dorsal horn receive monosynaptic primary afferent input in lamina II. *J. Comp. Neurol.*, 289, 676-686.

Toga AW, Banerjee PK (1993) Registration revisited. *J. Neurosci. Meth.*, 48, 1-13.

Tokioka T (1973) The arterial system of the spinal cord in the rat. *Okajimas Folia Anat. Jap.* 50, 133-182.

Tokunaga A, Otani K (1978) Neuronal organization of the corpus parabigeminum in the rat. *Exp. Neurol.*, 58, 361-375.

Torigoe Y, Blanks RHI, Precht W (1986) Anatomical studies on the nucleus reticularis segmenti pontis in the pigmented rat. I. Cytoarchitecture, topography, and cerebral cortical afferents. *J. Comp. Neurol.*, 243, 71-87.

Torvik A (1956) Afferent connections to the sensory trigeminal nuclei, the nucleus of the solitary tract and adjacent structures. An experimental study in the rat. *J. Comp. Neurol.*, 106, 51-141.

Torvik A (1957) The ascending fibres from the main trigeminal sensory nucleus. *Am. J. Anat.*, 100, 1-15.

Travers SP, Norgren R (1995) Organization of orosensory responses in the nucleus of the solitary tract of rat. *J. Neurophysiol.*, 73, 2144-2162.

Treviranus GR (1816) *Vermischte Schriften, Vol. 1*. Rowen, Göttingen.

Tsai C (1925) The optic tracts and centers of the opossum, *Didelphis virginiana*. *J. Comp. Neurol.*, 39, 173-216.

Tsang YC (1940) Supra- and post-optic commissures in the brain of the rat. *J. Comp. Neurol.*, 72, 535-567.

Türck L (1851) Über sekundäre Erkrankung einzelner Rückenmarksstränge und ihrer Fortsetzungen zum Gehirn, in Gesammelte neurologische Schriften. *Jb. Psychiat. Neurol.*, 31, 64-85.

Tveten L (1976) Spinal cord vascularity. V. The venous drainage of the spinal cord in the rat. *Acta Radiol. (Diagn.)*, 15, 653.

Vaccarezza OL, Sepich LN, Tramezzani JH (1981) The vomeronasal organ of the rat. *J. Anat.*, 132, 167-185.

Vahlsing HL, Ferringa ER (1980) A ventral uncrossed corticospinal tract in the rat. *Exp. Neurol.*, 70, 282-287.

Valentin GG (1841) Hirn- und Nervenlehre. In: Soemmerring ST (Ed.), *Vom Baue des menschlichen Körpers* (1841-1845). Voss, Leipzig.

Valverde F (1962) Reticular formation of the albino rat's brain stem. Cytoarchitecture and corticofugal connections. *J. Comp. Neurol.*, 119, 25-53.

Valverde F (1977) Lamination of the striate cortex. *J. Neurocytol.*, 6, 483-484.

Valverde F, Facal-Valverde MV, Santacana M, Heredia M (1989) Development and differentiation of early generated cells of sublayer VIb in the somatosensory cortex of the rat: a correlated Golgi and autoradiographic study. *J. Comp. Neurol.*, 290, 118-140.

Valverde F, Lopez-Mascaraque L, Santacana M, De Carlos JA (1995) Persistence of early-generated neurons in the rodent subplate: assessment of cell death in neocortex during early postnatal period. *J. Neurosci.*, 15, 5014-5024.

van der Kooy D, Carter DA (1981) The organization of the efferent projections and striatal afferents of the entopeduncular nucleus and adjacent areas in the rat. *Brain Res.*, 211, 15-36.

Vandeveld IL, Duckworth E, Reep RL (1996) Layer VII and the gray matter trajectories of corticocortical axons in rats. *Anat. Embryol.*, 194, 581-593.

van Houten M, Brawer JR (1978) Cytology of neurons in the hypothalamic ventromedial nucleus in the adult male rat. *J. Comp. Neurol.*, 178, 89-116.

Varolio C (1591) *Anatomiae Sive de Resolutione Corporis Humani Libri 4*. Fischerum, Frankfurt (first published 1573, Padua).

Vesalius A (1543) *De Humani Corporis Fabrica Libri Septem*. J. Oporinus, Basel.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Vetter DE, Adams JC, Mugnaini E (1991) Chemically distinct rat olivocochlear neurons. *Synapse*, 7, 21-43.

Vetter DE, Mugnaini E (1992) Distribution and dendritic features of three groups of rat olivocochlear neurons. *Anat. Embryol.*, 185, 1-16.

Vicq d'Azyr F (1786) *Traité d'Anatomie et de Physiologie*. Didot, Paris.

Vieuussens R (1684) *Neurographia Universalis*. Certe, Lyons.

Villanueva L, Bouhassira D, Bing Z, Le Bars, D (1988) Convergence of heterotopic nociceptive information onto subnucleus reticularis dorsalis neurons in the rat medulla. *J. Neurophysiol.*, 60, 980-1009.

Vogt BA, Miller MW (1983) Cortical connections between rat cingulate cortex and visual, motor, and postsubiculum cortices. *J. Comp. Neurol.*, 216, 192-210.

Vogt BA, Peters A (1981) Form and distribution of neurons in rat cingulate cortex: areas 32, 24, and 29. *J. Comp. Neurol.*, 195, 605-625.

Vogt C (1909) La myéloarchitecture du thalamus du cercopithèque. *J. Psychol. Neurol.* (Leipzig), 12 (suppl.), 285-324.

Swanson, L.W. (2004) *Brain maps: structure of the rat brain*, 3rd edition

Vogt C, Vogt O (1919) Allgemeine Ergebnisse unserer Hirnforschung. Vierte Mitteilung: die physiologische Bedeutung der architektonischen Rindenfelderung auf Grund neuer Rindenreizungen. *J. Psychol. Neurol. (Leipzig)*, 25, 279-462.

Voogd J (1995) Cerebellum. In: Paxinos G (Ed.), *The Rat Nervous System*, 2nd edn., pp. 309-350. Academic Press, San Diego.

Voogd J, Jaarsma D, Marani E (1996) The cerebellum, chemoarchitecture and anatomy. In: Swanson LW, Björklund A, Hökfelt T (Eds.), *Handbook of Chemical Neuroanatomy*, Vol. 12: *Integrated Systems of the CNS, Part III*, pp. 1-369. Elsevier, Amsterdam.

Wada E, Wada K, Boulter J, Deneris E, Heinemann S, Patrick J, Swanson LW (1989) The distribution of alpha2, alpha3, alpha4, and b2 neuronal nicotinic receptor subunit mRNAs in the central nervous system: a hybridization histochemical study in the rat. *J. Comp. Neurol.*, 284, 314-335.

Waibl H (1973) Zur Topographie der Medulla spinalis der Albinoratte (*Rattus norvegicus*). *Adv. Anat. Embryol. Cell Biol.*, 47, 1-42.

Walberg F, Pompeiano O, Brodal A, Jansen J (1962) The fastigiovestibular projection in the cat. An experimental study with silver impregnation methods. *J. Comp. Neurol.*, 118, 49-76.

Waldeyer H (1888) Das Gorilla-Rückenmark. *Akad. Wissensch. (Berlin)*, 1-147.

Waldron HA, Gwyn DG (1969) Descending nerve tracts in the spinal cord of the rat. I. Fibres from the midbrain. *J. Comp. Neurol.*, 137, 143-154.

Waller AV (1850) Experiments on the section of the glossopharyngeal and hypoglossal nerves of the frog, and observations of the alterations produced thereby in the structure of their primitive fibres. *Phil. Trans. R. Soc.*, 140, 423-429.

Wan XS, Trojanowski JQ, Gonatas JO (1982) Cholera toxin and wheat germ agglutinin conjugates as neuroanatomical probes: their uptake and clearance, transganglionic and retrograde transport and sensitivity. *Brain Res.*, 243, 215-224.

Wang PY, Zhang FC (1995) *Outlines and Atlas of Learning Rat Brain Slices*. Westnorth University Press, China.

Watson CRR, Sakai S, Armstrong W (1982) Organization of the facial nucleus in the rat. *Brain Behav. Evol.*, 20, 19-28.

Watson CRR, Switzer III RC (1978) Trigeminal projections to cerebellar tactile areas in the rat—origin mainly from n. interpolaris and n. principalis. *Neurosci. Lett.*, 10, 77-82.

Watts AG (1991) The efferent projections of the suprachiasmatic nucleus: anatomical insights into the control of circadian rhythms. In: Klein DC, Moore RY, Reppert SM (Eds.), *Suprachiasmatic Nucleus. The Mind's Clock*, pp. 77-106. Oxford University Press, New York.

Watts AG, Swanson LW (1987) Efferent projections of the suprachiasmatic nucleus: II. Studies using retrograde transport of fluorescent dyes and simultaneous peptide immunohistochemistry in the rat. *J. Comp. Neurol.*, 258, 230-252.

Watts AG, Swanson LW, Sanchez-Watts G (1987) Efferent projections of the suprachiasmatic nucleus: I. Studies using anterograde transport of *Phaseolus vulgaris* leucoagglutinin in the rat. *J. Comp. Neurol.*, 258, 204-229.

Webster WR (1995) Auditory system. In: Paxinos G (Ed.), *The Rat Nervous System, 2nd edn.*, pp. 797-831. Academic Press, San Diego.

Weigert C (1882) Ueber eine neue Untersuchungsmethode des Centralnervensystems. *Z. med. Wissensch.*, 20, 753-757, 772-774.

Weindl A (1973) Neuroendocrine aspects of circumventricular organs. In: Ganong WF, Martini L (Eds.), *Frontiers in Neuroendocrinology, Vol. 3*, pp. 3-32. Oxford University Press, New York.

Welker C, Sinha MM (1972) Somatotopic organization of SmII cerebral neocortex in albino rat. *Brain Res.*, 37, 132-136.

Wenzel J, Wenzel C (1812) *De Penitiori Structura Cerebri Hominis et Brutorum.* Cotta, Tübingen.

Westergaard E (1969) The cerebral ventricles of the rat during growth. *Acta Anat.*, 74, 405-423.

Westlund KN, Bowker RM, Ziegler MG, Coulter JD (1983) Noradrenergic projections to the spinal cord of the rat. *Brain Res.*, 263, 15-31.

Westphal C (1887) Ueber einen Fall von chronischer progressiver Lähmung der Augenmuskeln (*Ophthalmoplegia externa*) nebst Beschreibung von Ganglienzellengruppen im Bereiche des Oculomotoriuskerns. *Arch. Psychiat. Nervkrankh.*, 18, 846-871.

White JS, Warr WB (1983) The dual origins of the olivocochlear bundle in the albino rat. *J. Comp. Neurol.*, 219, 203-214.

White Jr LE (1959) Ipsilateral afferents to the hippocampal formation in the albino rat. I. Cingulum projections. *J. Comp. Neurol.*, 113, 1-32.

Wiegand SJ, Price JL (1980) Cells of origin of the afferent fibers to the median eminence in the rat. *J. Comp. Neurol.*, 192, 1-19.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Wiesendanger M (1981) The pyramidal tract. Its structure and function. In: Towe AL, Lushei ES (Eds.), *Handbook of Behavioral Neurobiology, Vol. 5. Motor Coordination*, pp. 401-492. Plenum Press, New York.

Wiesendanger R, Wiesendanger M (1982) The corticopontine system in the rat. I. Mapping of corticopontine neurons. *J. Comp. Neurol.*, 208, 215-226.

Williams PL (Ed.) (1995) *Gray's Anatomy*. 38th edn. Churchill Livingstone, New York.

Willis T (1664) *Cerebri Anatome: Cui Accessit Nervorum Descriptio et Usus*. Martyn and Allestry, London.

Willis Jr WD, Coggeshall RE (1991) *Sensory Mechanisms of the Spinal Cord*, 2nd edn. Plenum Press, New York.

Winer JA, Larue DT (1987) Patterns of reciprocity in auditory thalamocortical and corticothalamic connections: study with horseradish peroxidase and autoradiographic methods in the rat medial geniculate body. *J. Comp. Neurol.*, 257, 282-315.

Winkler C, Potter A (1911) *An Anatomical Guide to Experimental Researches on the Rabbit's Brain*. Versluys, Amsterdam.

Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition

Wislocki GB, LeDuc EH (1954) The cytology of the subcommissural organ, Reissner's fiber, periventricular glial cells and posterior collicular recess of the rat's brain. *J. Comp. Neurol.*, 101, 283-310.

Wrisberg HA (1777) *Observationes anatomicae de quinto pare nervorum encephali*. JC Dieterich, Göttingae.

Wünscher W, Schober W, Werner J (1965) *Architectonischer Atlas Vom Hirnstamm Der Ratte*. S. Hirzel, Leipzig.

Wyss JM, Sripanidkulchai K (1983) The indusium griseum and anterior hippocampal continuation in the rat. *J. Comp. Neurol.*, 219, 251-272.

Wyss JM, Swanson LW, Cowan WM (1979) A study of subcortical afferents to the hippocampal formation in the rat. *Neurosci.*, 4, 463-476.

Wyss JM, Swanson LW, Cowan WM (1980) The organization of the fimbria, dorsal fornix and ventral hippocampal commissure in the rat. *Anat. Embryol.*, 158, 303-316.

Yamada J, Shirao K, Kitamura T, Sato H (1991) Trajectory of spinocerebellar fibers passing through the inferior and superior cerebellar peduncles in the rat spinal cord: a study using horseradish peroxidase with pedunculotomy. *J. Comp. Neurol.*, 304, 147-160.

Yasui Y, Kayahara T, Kuga Y, Nakano K (1990) Direct projections from the globus pallidus to the inferior colliculus in the rat. *Neurosci. Lett.*, 115, 121-125.

Yezierski RP (1988) Spinomesencephalic tract: projections from the lumbosacral spinal cord of the rat, cat, and monkey. *J. Comp. Neurol.*, 267, 131-146.

Yezierski RP, Mendez CM (1991) Spinal distribution and collateral projections of rat spinomesencephalic tract cells. *Neurosci.*, 44, 113-130.

Young MW (1936) The nuclear pattern and fiber connections of the noncortical centers of the telencephalon of the rabbit (*Lepus cuniculus*). *J. Comp. Neurol.*, 65, 295-401.

Zeman W, Innes JRM (1963) *Craigie's Neuroanatomy of the Rat*. Academic Press, New York.

Zhang D, Carlton SM, Sorkin LS, Willis WD (1990) Collaterals of primate spinothalamic tract neurons to the periaqueductal gray. *J. Comp. Neurol.*, 296, 277-290.

Ziehen GT (1901) Das Centralnervensystem der Monotremen und Marsupialier, II. Mikroskopische Anatomie, 1. Der Faserverlauf im Hirnstamm von *Pseudochirus peregrinus*. *Denkschr. med.-nat. Ges. Jena*, 6, 677-728.

Zilles K, Wree A (1995) Cortex: areal and laminar structure. In: Paxinos G (Ed.), *The Rat Nervous System*, 2nd edn., pp. 649-685. Academic Press, San Diego.

Zimmerman EH, Chambers WW, Liu CN (1964) An experimental study of the anatomical organization of the corticobulbar system in the albino rat. *J. Comp. Neurol.*, 123, 301-324.

Zuckerkandl E (1888) Das Riechbündel des Ammonshornes. *Anat. Anz.*, 3, 425-434.