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.

Adelmann HB (1925) The development of the neural folds and cranial ganglia of the rat. *J. Comp. Neurol., 39*, 19-172.

Adelmann HB (1936a) The problem of cyclopia. Part I. *Quar. Rev. Biol., 11*, 161-182.

Adelmann HB (1936b) The problem of cyclopia. Part II. *Quar. Rev. Biol., 11*, 284-304.

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.

Albinus BS (1754-68) *Academicarum annotationum libri I-VIII*. J et H Verbeek, Leiden, (translation from Choulant L, 1962: *History and Biography of Anatomic Illustration*, translated and annotated by Frank M). Hafner, New York.

Alheid GF, Heimer L (1988) New perspectives in basal forebrain organization of special relevance for neuropsyhiatric 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.

Altman J, Bayer SA (1982) Development of the cranial nerve ganglia and related nuclei in the rat. *Adv. Anat. Embryol. Cell Biol., 74,* 1-87.

Altman J, Bayer SA (1984) The development of the rat spinal cord. *Adv. Anat. Embryol. Cell Biol., 85,* 1-166.

Altman J, Bayer SA (1986) The development of the rat hypothalamus. *Adv. Anat. Embryol. Cell Biol., 100,* 1-178.

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 IS, Schoenwolf GC (1991) Patterns of neurepithelial cell rearrangement during avian neurulation are determined prior to notochordal inductive interactions. *Devel. Biol., 143,* 78-92.

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.

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.* 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.* 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 KE von (1828) *Ueber Entwicklungsgeschichte der Thiere*. I. Königsberg.

Bailey P (1916) Morphology of the roof plate and the forebrain and the lateral choroid plexuses in

the human embryo. *J. Comp. Neurol., 26,* 79-120.

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

Balinsky BI, Fabian BC (1981) *An Introduction to Embryology, 5th ed*. Saunders College, New York.

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

Barber RP, Phelps PE, Vaughn JE (1991) Generation patterns of immunocytochemically identified cholinergic neurons at autonomic levels of the rat spinal cord. *J. Comp. Neurol., 311,* 509-519.

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.

Bartelmez GW (1962) The proliferation of neural crest from forebrain levels in the rat. *Cont. Embryol. Carnegie Inst., 37,* 1-12.

Bartelmez GW, Evans HM (1925) The development of the human embryo during the period of somite formation, including embryos with 2 to 16 pairs of somites. Carnegie Inst., Washington Publication 603. *Contrib. Embryol., 17, 1-67*.

Bayer SA (1987) Neurogenetic and morphogenetic heterogeneity in the bed nucleus of the stria

terminalis. *J. Comp. Neurol., 265*, 47-64.

Bayer SA, Altman J (1987) Development of the preoptic area: time and site of origin, migratory routes, and settling patterns of its neurons. *J. Comp. Neurol., 265,* 65-95.

Bayer SA, Altman J (1991) *Neocortical Development*. Raven Press, New York.

Bayer SA, Altman J, Russo RJ, Dai X, Simmons JA (1991) Cell migration in the rat embryonic neocortex. *J. Comp. Neurol., 307,* 499-516.

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

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

Bechterew W von (1885b) Ueber die innere Abtheilung des Strickkörpers und den achten Hirnnerven. *Neurol. Zentbl., 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 ed*. 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.

Bergquist H, Källén B (1954) Notes on the early histogenesis and morphogenesis of the central nervous system in vertebrates. *J. Comp. Neurol., 100,* 627-659.

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.

Berry M (1974) Development of the cerebral neocortex of the rat. In: *Studies of the Development of Behavior and the Nervous System, Vol. 2, Aspects of Neurogenesis*, pp. 7-67. Academic Press, New York.

Bickford ME, Hall WC (1989) Collateral projections of predorsal bundle cells of the superior colliculus in the rat. *J. Comp. Nerurol., 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.

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 Hinterstrangskerne 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.

Bourrat F, Sotelo C (1990) Early development of the rat precerebellar system: migratory routes, selective aggregation and neuritic differentiation of the inferior olive and lateral reticular nucleus neurons. An overview. *Arch. Ital. Biol., 128*, 151-170.

Bourrat F, Sotelo C (1991) Relationships between neuronal birthdates and cytoarchitecture in the rat inferior olivary complex. *J. Comp. Neurol., 313,* 509-521.

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.

Braekevelt CR, Hollenberg MJ (1970) The development of the retina of the albino rat. *Am. J. Anat., 127,* 281-302.

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.

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

Broca PP (1879) Recherches sur les centres olfactifs. *Rev. Anthrop. (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.

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

Butcher EO (1929) The development of the somites in the white rat (*Mus Norvegicus albinus*) and the fate of the myotomes, neural tube, and gut in the tail. *Am. J. Anat., 44,* 381-439.

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

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 talamicos. *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.* Madrid.

Cajal S Ramón y (1909, 1911) *Histologie du Système Nerveux de l'Homme et des Vertébrés.* 2 vols., Norbert Maloine, Paris.

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

Campbell G, Lieberman AR (1985) The olivary 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, 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, in press.*

Canteras NS, Simerly RB, Swanson LW (1992b) The projections of the ventral premammillay nucleus. *J. Comp. Neurol, in press.*

Canteras NS, Swanson LW (1992a) The dorsal premammilary nucleus: a novel subdivision of the mammillary body. *Proc. Natl. Acad. Sci., U.S.A., in press.*

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., in press.*

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.

Casserio G (1609) *Pentaesthesion*, 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. *Exper. 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.

Christ JF (1969) Derivation and boundaries of the hypothalamus, with atlas of hypothalamic grisea. In: Haymaker W, Anderson E, Nauta WJH (Eds.), *The Hypothalamus*, pp. 13-60. CC Thomas, Springfield.

Christie GA (1964) Developmental stages in somite and post-somite rat embryos, based on external appearance, and including some features of the macroscopic development of the oral cavity. *J. Morph., 114,* 263-286.

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*. Edinburgh.

Clarke E, Dewhurst K (1972) *An Illustrated History of Brain Function*. University of California Press, Berkeley.

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*, Nuremberg.

Contestabile A, Villani L, Fasolo A, Franzoni MF, Gribaudo 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.

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.

Couly GF, LeDouarin NM (1985) Mapping of the early neural primordium in quail-chick chimeras. I. Developmental relationships between placodes, facial ectoderm, and prosencephalon. *Devel. Biol. 110,* 422-439.

Couly G, LeDouarin NM (1990) Head morphogenesis in embryonic avian chimeras: evidence for a segmental pattern in the ectoderm corresponding to the neuromeres. *Devel., 108,* 543-558.

Covey E, Casseday JH (1986) Connectional basis for frequencey representation in the nuclei of the lateral lemniscus of the bat *Eptesicus fuscus. J. Neurosci., 6,* 2926-2940.

Cowan WM, Guillery 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. *Exper. 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.

Dale L, Slack JMW (1987) Fate map for the 32-cell stage of *Xenopus laevis. Devel., 99,* 527-551.

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. *Acata Endocrinol., 80, Suppl. 201,* 1-216.

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

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

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 Säugethiere*. F. Vieweg u. Sohn, Braunschweig.

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

DeOlmos 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.

DeOlmos 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.

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.

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.

Donkelaar HJ ten, Dederen PJW (1979) Neurogenesis in the basal forebrain of the Chinese hamster (*Cricetulus griseus*). I. Time of neuron origin. *Anat. Embryol., 156*, 331-348.

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

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

Eagleson GW, Harris WA (1990) Mapping of the presumptive brain regions in the neural plate of *Xenopus laevis*. *J. Neurobiol., 21,* 427-440.

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

Ebbeson SOE (1980) The parcellation theory and its relation to interspecific variability in brain organization, evolutionary and ontogenetic development, and neuronal plasticity. *Cell Tissue 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. Senkenberg Naturf. Ges., 19,* 313-386.

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

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

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

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 subdivison 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 abberent 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.). 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.

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.

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 olivary complex in the albino rat. *Anat. Embryol., 175,* 35-52.

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. 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.

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.

Fuse G (1913) Die Randgebiete des Pons und des Mittlhirns. *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 (1822) De usu partium, Vols. 3 and 4. In: Kühn CG (Trans. and Ed.), *Opera Omnia, 20 vols.* Leipzig.

Galen (1906) *Sieben Bücher Anatomie des Galen* (Simon M, Trans.). Leipzig.

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

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

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

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

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) Organziation 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.

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

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.

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.* Paris.

Gratiolet LP (1857) In: (Leuret F, Gratiolet LP, Eds.), *Anatomie Comparée du Système Nerveux.* Paris.

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.

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.

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.

Guthrie S, Lumsden A (1991) Formation and regeneration of rhombomere boundaries in the developing chick hindbrain. *Devel., 112,* 221-229.

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.

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.

Hall BK (1988) *The Neural Crest*. Oxford University Press, New York.

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

Hamilton WJ, Mossman HW (1972) *Human Embryology. Prenatal Development of Form and Function, 4th ed*. Williams & Wilkins, Baltimore.

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.

Harkmark W (1954) The rhombic lip and its derivatives in relation to the theory of neurobiotaxis. In: Jansen J, Brodal A (Eds.), *Aspects of Cerebellar Anatom*y, pp. 264-284. Johan Grudt Tanum Forlag, Oslo.

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.

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 Nervenbahen. *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.

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

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 (1938) Development of the cerebrum of amblystoma during early swimming stages. *J. Comp. Neurol., 68,* 203-241.

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. *Exper. Brain Res., 24,* 523-529.

Hines M (1922) Studies in the growth and differentiaton of the telencephalon in man. The fissura hippocampi. *J. Comp. Neurol., 34,* 73-171.

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

His W (1888) Zur Geschichte des Gehirns sowie der centralen und peripherischen Nervenbahnen beim menschlichen Embryo. *Abh. d. math.-phys. Kl. d. Königl. Sächs. Gesel. d. Wiss., 14,* 341-392.

His W (1890) Die Entwicklung des menschlichen Rautenhirns vom Ende des ersten bis zum Beginn des dritten Monats. I. Verlangertes Mark. *Abh. Sächs Ges. (Akad.) Wiss., 29,* 1-74.

His W (1892) Zur allgemeinen Morphologie des Gehirns. *Arch. Anat. Physiol., Anat. Abt., 16,* 346-383.

His W (1893) Vorschläge zur Eintheilung des Gehirns. *Arch Anat. Physiol.*, *17*, 172-179.

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

His W (1904) *Die Entwicklung des menschlichen Gehirns*. Leipzig.

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 (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.

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. *Exper. Brain Res., 85,* 10-20.

Huber GC (1915) The development of the albino rat, Mus Norvegicus albinus. I. From the pronuclear stage to the stage of mesoderm anlage; end of the first to the end of the ninth day. II. Abnormal ova; end of the first to the end of the ninth day. J. Morphol., 26, 1-114.

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.

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.

Humphrey T (1972) The development of the human amygdaloid complex. In: Eleftheriou BE (Ed.), *The Neurobiology of the Amygdala*, pp. 21-80. Plenum Press, New York.

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.

Jacobsohn L (1909) Ü*ber die Kerne des Menschlichen Hirnstamms (Medulla oblongata, Pons, und Pedunculus cerebri)*. Verlag der Konigl Akademie der Wisenschaftern, Berlin.

Jacobson AG (1984) Further evidence that formation of the neural tube requires elongation of the nervous system. *J. Exper. Zool., 230,* 23-28.

Jacobson AG, Tam PPL (1982) Cephalic neurulation in the mouse embryo analyzed by SEM and morphometry. *Anat. Rec., 203,* 375-396.

Jacobson C-O (1959) The localization of the presumptive cerebral regions in the neural plate of

the axolotl larva. *J. Embryol. Exper. Morph., 7*, 1-21.

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) Intercollicular 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.

Kahle W (1951) Studien über die Matrixphasen und die örtlichen Reifungsunterschiede im embryonalen menschlichen Gehirn. *Deutsche Zeitschrift f. Nervenheilkunde, 166*, 273-302.

Kahle W (1956) Zur Entwicklung des menschlichen Zwischenhirnes. *Deutsche Zeitschrift f. Nervenheilkunde, 175*, 259-318.

Källén B (1953) On the significance of the neuromeres and similar structures in vertebrate embryos. *J. Embryol. Exper. Morph., 1*, 387-392.

Källén B (1954) The embryology of the telencephalic fibre systems in the mouse. *J. Embryol. Exper. Morph., 2*, 87-100.

Källén B (1962) Mitotic patterning in the central nervous system of chick embryos; studied by a colchicine method. *Z. Anat. Entwickl.-Gesch., 123,* 309-319.

Källén B, Lindskog B (1953) Formation and disappearance of neuromery in mus musculus. *Acta Anat., 18,* 273-287.

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.

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.

Keynes R, Lumsden A (1990) Segmentation and the origin of regional diversity in the vertebrate central nervous system. *Neuron, 2,* 1-9.

Keyser A (1979) Development of the hypothalamus in mammals. In: Morgane PJ, Panksepp J (Eds.), *Handbook of the Hypothalamus. Vol. 1, Anatomy of the Hypothalamus*, pp. 65-136. Marcel Dekker, New York.

Keyser AJM (1972) The development of the diencephalon of the Chinese hamster. *Acta Anat., 83, Suppl. 59,* 1-178.

Kingsbury BF (1922) The fundamental plan of the vertebrate brain. *J. Comp. Neurol., 34,* 461-491.

Kingsbury BF (1934) The development of the septum medullae (mammals: cat). *J. Comp. Neurol., 60,* 81-109.

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. *Exper. Neurol., 79,* 87-96.

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.

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

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.

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

Kupffer C von (1906) Die Morphogenesis des Centralnervensystems. In: Hertwig O (Ed.), *Handbuch der vergleichenden und experimentellen Entwicklungslehre der Wirbeltiere, Bd. 2, Teil 3.*Gustav Fischer, Jena.

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 & Wilkens, 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.

Lammers GJ, Gribnau AAM, Donkelaar JH ten (1980) Neurogenesis in the basal forebrain in the Chinese hamster (*Cricetulus griseus*). II. Site of neuron origin: morphogenesis of the ventricular ridges. *Anat. Embryol., 158,* 193-211.

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

choleragenoid-HRP (B-HRP) and wheat germ agglutinin-HRP (WGA-HRP). *J. Comp. Neurol., 311,* 546-562.

Langley JN (1998) 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 curari. *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.). Minnesota Press, Minneapolis.

LeDouarin NM, Smith J (1988) Development of the peripheral nervous system: cell line segregration and chemical differentiation of neural crest cells. In: Björklund A, Hökfelt, Owman C (Eds.), *Handbook of Chemical Neuroanatomy, Vol. 6: The Peripheral Nervous System*, pp. 1-50. Elsevier, New York.

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 (the Elder) (1855) *Neue Untersuchungen über den feineren Bau des centralen Nervensystems des Menschen, Vol. 1, Medulla spinalis und Bulbus rhachiticus.* 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.

Lieutaud J (1742) *Essais Anatomiques*. 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.

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 A_5 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 oppossum, *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 Discipulos, 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.

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.

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.

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.

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.

Matsuda M (1991) Change of rat embryos from a ventrally concave U-shape to a ventrally convex C-shape. *Devel. Growth Differ., 33,* 117-122.

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 nculeus in the rat. *Exper. 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.

Meier S, Tam PPL (1982) Metameric pattern development in the embryonic axis of the mouse. I. Differentiation of the cranial segments. *Differentiation, 21,* 95-108.

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

Merchan 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.

Meyer G, Gonzalez-Hernandez T, Carrillo-Padilla F, Ferres-Torres R (1989) Aggegations 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 Strecker S (Ed.), *A Manual of Histology,* pp 650-766. Wm. Wood & Co., New York.

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

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.

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.

Morest DK (1970) The pattern of neurogenesis in the retina of the rat. *Z. Anat. Entwickl.-Gesch., 131,* 45-67.

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.

Morriss-Kay GM (1981) Growth and development of pattern in the cranial neural epithelium of rat embryos during neurulation. *J. Embryol. Exper. Morph., 65 (Suppl.),* 225-241.

Morriss-Kay G, Tuckett F (1987) Fluidity of the neural epithelium during forebrain formation in rat embryos. *J. Cell Sci., Suppl. 8,* 433-449.

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.

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 Wrisberg 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.

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, 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.

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 Ed.* Springer-Verlag, New York.

Nieuwkoop PD (1989) The successive steps in the pattern formation of the amphibian central nervous system. *Devel. Growth Differ., 32,* 149-154.

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

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*. Paris (first published 1723).

Nomina Anatomica (1983) 5th edition. 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.

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.

Orr HA (1887) Contributions to the embryology of the lizard. *J. Morphol., 1,* 311-372.

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 edition. Academic Press, New York.

Pellegrino LJ, Pellegrino AS, Cushman AJ (1979) *A Stereotaxic Atlas of the Rat Brain.* 2nd edition. 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.

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.

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 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, 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, 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.

Purves D, Lichtman JW (1985) *Principles of Neural Development.* Sinauer Associates, Sunderland.

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

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

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 othrograde transport of wheatgerm-agglutinin conjugated horseradish peroxidase. *Exper. 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, Gwym 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.

Ridley H (1695) *Anatomy of the Brain.* 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) Anthropographia. In: *Opera Omnia*. Paris.

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 choleragenoid 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.* Privileg, Sassari, Stamp.

Roller FCW (1881) Ein kleinzelliger 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.

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

Rudebeck B (1945) Contributions to forebrain morphology in dipnoi. *Acta Zool., XXVI*, 9-156.

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

Sadler TW (1985) *Langman's Medical Embryology, 5th ed*. Williams & Wilkins, Baltimore.

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*. 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 (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.

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

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.). 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 leutinizing 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.

Sefton AJ, Dreher B (1985) Visual system. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 1, Forebrain and Midbrain*, pp. 169-221. Academic Press, New York.

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.

Selleck MAJ, Stern CD (1991) Fate mapping and cell lineage analysis of Hensen's node in the chick embryo. *Development, 112*, 615-626.

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

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.

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.

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, 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, Voss JW, Ingraham HA, Holloway JM, Broide RS, Rosenfeld MG, Swanson LW (1990) Pituitary cell phenotypes involve cell-specific Pit-1 mRNA translation and synergistic interactions with other classes of transcription factors. *Genes Devel., 4,* 695-711.

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

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

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.

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 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 (1992) 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, 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 direction 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, 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.

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

Switzer RC, de Olmos J, Heimer L (1985) Olfactory system. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 1, Forebrain and Midbrain*, pp. 1-36. Academic Press, New York.

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

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 tegmenti 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.

Tan K, LeDouarin NM (1991) Development of the nuclei and cell migration in the medulla oblongata. Application of the quail-chick chimera system. *Anat. Embryol., 183*, 321-343.

Tan SS, Morriss-Kay GM (1986) Analysis of cranial neural crest cell migration and early fates in postimplantation rat chimaeras. *J. Embryol. Exper. Morph., 98*, 21-58.

Tarin P (1750) *Adversaria Anatomica.* 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. *Exper. 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.

Tey, J (1927) *The Man in the Queue.* p. 138. Peter Davies, London.

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 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.

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. *Exper. Neurol., 58,* 361-375.

Torigoe Y, Blanks RHI, Precht W (1986) Anatomical studies on the nucleus reticularis tegmenti 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.

Treviranus GR (1820) *Vermischte Schriften, Vol. 1.* Bremen.

Tsai C (1925) The optic tracts and centers of the oppossum, *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.

Tuckett F, Morriss-Kay GM (1985) The ontogenesis of cranial neuromeres in the rat embryo. II. A transmission electron microscope study. *J. Embryol. Exper. Morph., 88,* 231-247.

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.

Vaage S (1969) The segmentation of the primitive neural tube in chick embryos (*Gallus domesticus*). A morphological, histochemical and autoradiographical investigation. *Adv. Anat. Embryol. Cell Biol., 41,* 1-88.

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. *Exper. Neurol., 70,* 282-287.

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

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

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

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.* Frankfurt (first published 1573, Padua).

Verwoerd CDA, van Oostrom CG (1979) Cephalic neural crest and placodes. *Adv. Anat. Embryol. Cell Biol., 58,* 1-71.

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

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.* Paris.

Vieussens R (1684) *Neurographia Universalis*. 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 postsubicular 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.

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, Gerritts NM, Marani E (1985) Cerebellum. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 2, Hindbrain and Spinal Cord*, pp. 251-291. Academic Press, New York.

Wada E, Wada K, Boulter J, Deneris E, Heinemann S, Patrick J, Swanson LW (1989) The distribution of alpha2, alpha3, alpha4, and β2 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.

Warren J (1917) The development of the paraphysis and pineal region in mammalia. *J. Comp. Neurol., 28*, 75-136.

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 (1985) Auditory system. In: Paxinos G (Ed.), *The Rat Nervous System, Vol. 2, Hindbrain and Spinal Cord*, pp. 153-184. Academic Press, New York.

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.* 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.

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, Warwick R, Dyson M, Bannister LH, (Eds.) (1989) *Gray's Anatomy.* 37th edition.

Churchill Livingstone, New York.

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

Willis Jr WD, Coggeshall RE (1991) *Sensory Mechanisms of the Spinal Cord, 2nd Ed.* 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.* Amsterdam.

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.

Wolf G (1971) Elementary histology for neuropsychologists. In: Myers RD (Ed.), *Methods in Psychobiology. Vol. 1, Laboratory Techniques in Neuropsychology and Neurobiology*, pp. 281-300. Academic Press, New York.

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 Marsupalier, II. Mikroskopische Anatomie, 1. Der Faserverlauf im Hirnstamm von Pseudochirus peregrinus. *Denkschr. med.-nat. Ges. Jena, 6,* 677-728.

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.