

6 Literaturverzeichnis

- Abbott, L.C., Jacobowitz, D.M. (1995): Development of calretinin-immunoreactive unipolar brush-like cells and an afferent pathway to the embryonic and early postnatal mouse cerebellum. *Anat. Embryol.*, 191, 541-559.
- Adrian, E.D. (1943): Afferent areas in the cerebellum connected with the limbs. *Brain*, 66, 289-315.
- Alexander, G. (1901): Zur Anatomie des Ganglion vestibulare der Säugetiere. *Arch. Ohrenheilk.*, 51, 109-125.
- Angaut, P., Brodal, A. (1967): The projection of the "vestibulocerebellum" onto vestibular nuclei in the cat. *Arch. Ital. Biol.*, 105, 441-479.
- Arai, R., Winsky, L., Jacobowitz, D.M. (1991): Immunohistochemical localisation of calretinin in the rat hindbrain. *J. Comp. Neurol.*, 310, 21-44.
- Arnhold, S., Andressen, C., Angelov, D.N., Vajna, R., Volsen, S.G., Henscheler, J., Addicks, K. (2000): Embryonic stem-cell derived neurones express a maturation dependent pattern of voltage-gated calcium-binding proteins. *Int. J. Dev. Neurosci.*, 18, 201-212.
- Bäurle, J., Grüsser-Cornehls, U. (1994): Axonal torpedoes in the cerebellar Purkinje cells of two normal mouse strains during ageing. *Acta Neuropathol. (Berl.)*, 88, 237-245.
- Bäurle, J., Helmchen, C., Grüsser-Cornehls, U. (1997a): Diverse effects of Purkinje cell loss on deep cerebellar and vestibular nuclei neurons in Purkinje cell degeneration mutant mice: A possible compensatory mechanism. *J. Comp. Neurol.*, 384, 580-596.
- Bäurle, J., Kleine, J., Grüsser, O.J., Guldin, W. (1997b): Co-localisation of glycine and Calbindin D-28k in the vestibular ganglion of the rat. *Neuroreport*, 8, 2443-2447.
- Bäurle, J., Guldin, W. (1998a): Unbiased number of vestibular ganglion neurons in the mouse. *Neurosci. Lett.*, 246, 89-92.
- Bäurle, J., Guldin, W. (1998b): Vestibular ganglion neurons survive the loss of their cerebellar targets. *Neuroreport*, 9, 4119-4122.
- Bäurle, J., Hoshi, M., Grüsser-Cornehls, U. (1998a): Dependence of parvalbumin expression on Purkinje cell input to the deep cerebellar nuclei. *J. Comp. Neurol.*, 392, 499-514.
- Bäurle, J., Vogten, H., Grüsser-Cornehls, U. (1998b): The central primary vestibular afferent terminations of Calbindin D-28k expressing vestibular ganglion neurons. Annual Meeting of the Society of Neuroscience, Los Angeles.
- Bäurle, J., Vogten, H., Grüsser-Cornehls, U. (1998c): Course and Targets of the Calbindin D-28k Subpopulation of Primary Vestibular Afferents. *J. Comp. Neurol.*, 402, 111-128.
- Baird, R.A., Desmadryl, G., Fernández, C., Goldberg, J.M. (1988): The vestibular nerve of the chinchilla. II. Relation between afferent response properties and peripheral innervation patterns in the semicircular canal. *J. Neurophysiol.*, 60, 182-203.

Barmack, N.H., Baughman R.W., Errico, P., Shojaku, H. (1993): Vestibular primary afferent projection to the cerebellum of the rabbit. J. Comp. Neurol., 327, 521-534.

Batini, C. (1990): Cerebellar localisation and colocalisation of GABA and calcium binding protein-D28k . Arch. Ital. Biol., 128, 127-149.

Blanks, R.H.I., Palay, S.L. (1978): The location and form of efferent vestibular neurons in the rat. Anat. Rec., 190, 34.

Blatt,G.J., Eisenmann, L.M. (1985): A qualitative and quantitative light microscopic study of the inferior olfactory complex of normal, reeler, and weaver mutant mice. J. Comp. Neurol., 232, 117-128.

Bolk, L. (1906): Das Cerebellum der Säugetiere. Fischer: Jena.

Braak, E., Braak, H. (1993): The new monodendritic neuronal type within the adult human cerebellar granule cell layer shows calretinin-immunoreactivity. Neurosci. Lett., 154, 199-202.

Brichta, A.M., Peterson, E.H. (1994): Functional architecture of vestibular primary afferents from the posterior semicircular canal of a turtle, *Pseudemys (Trachemys) scripta elegans*. J. Comp. Neurol., 344, 481-507.

Brodal, A. (1969): The cerebellum. In : Neurological anatomy in relation to clinical medicine. Oxford University Press: London.

Brodal, A. (1981): Neurological anatomy in relation to clinical medicine, 3rd Edition. Oxford University Press: London, New York.

Brodal, A., Høivik, B.(1964): Site and mode of termination of primary vestibulocerebellar fibres in the cat. An experimental study with silver impregnation methods. Arch. Ital. Biol., 102, 1-21.

Brodal, A., Jansen, J. (1954): Afferent cerebellar connections. In: Jansen, J. and Brodal, A. (Eds.), Aspects of cerebellar anatomy. Johan Grundt Tanum: Oslo.

Brodal, A.,Pompeiano, O., Walberg, F. (1962): The vestibular nuclei and their connections. Anatomy and functional correlations. Ramsay Henderson Trust Lecture. Oliver and Boyd: Edinburgh.

Caddy, K.W.T., Biscoe, T.J. (1975): Preliminary observations on the cerebellum in the mutant mouse Lurcher. Brain Res., 91, 276-280.

Caddy, K.W.T., Biscoe, T.J. (1976): The number of Purkinje cells and olive neurones in the normal and Lurker mutant mouse. Brain Res., 111, 396-398.

Carleton, S.C., Carpenter, M.B. (1984): Distribution of primary vestibular fibers in the brainstem and cerebellum of the monkey. Brain Res., 294, 281-298.

Carpenter, M.B. (1960): Experimental anatomical-physiological studies of the vestibular nerve and cerebellar connections. In: G.L. Rasmussen, W. Windle (eds): Neural mechanisms of the auditory and vestibular systems. Springfield, Ill.: Charles C. Thomas, pp., 297-395.

Carpenter, M.B., Stein, B.M., Peter, P. (1972): Primary vestibulocerebellar fibres in the monkey: Distribution of fibres arising from distinctive cell groups of the vestibular ganglia. Am. J. Anat., 135, 221-250.

Celio, M.R. (1990): Calbindin D-28k and parvalbumin in the rat nervous system. Neuroscience, 35, 375-475.

Celio, M.R., Baier, W., Schärer, L., Gregersen, H.J., de Viragh, P.A. (1990): Monoclonal antibodies directed against the calcium binding protein Calbindin D-28k. Cell Calcium, 11, 599-602.

Chimento, T.C., Doshay, D.G., Ross, M.D., (1994): Compartmental modeling of rat macular primary afferents from three-dimensional reconstructions of transmission electron micrographs of serial sections. J. Neurophysiol. 71, 1883-1896.

Dechesne, C.J., Thomasset, M. (1988): Calbindin (CaBP 28kDa) appearance and distribution during development of the mouse inner ear. Brain Res., 468, 233-242.

Demêmes, D., Raymond, J., Atger, P., Grill, C., Winsky, L., Dechesne, C.J. (1992): Identification of neuron subpopulations in the rat vestibular ganglion by calbindin-D 28K, calretinin and neurofilament proteins immunoreactivity. Brain Res., 582, 168-172.

Desmadryl, G., Dechesne, C.J. (1992): Calretinin immunoreactivity in chinchilla and guinea pig vestibular end organs characterizes the calyx unit subpopulation. Exp. Brain Res., 89, 105-108.

Dow, R.S. (1936): The fiber connections of the posterior parts of the cerebellum in the rat and cat. J. Comp. Neurol., 63, 527-548.

Dow, R.S., Moruzzi, G. (1958): The Physiology and Pathology of the Cerebellum. University of Minnesota Press: Minneapolis.

Engström, H., Ades, H.W., Hawkins, J.E., Jr. (1962): Structure and functions of the sensory hair of the inner ear. J. Acoust. Soc. Am., 34, 1356-1362.

Fernández, C., Baird, R.A., Goldberg, J.M. (1988): The vestibular nerve of the chinchilla. I. Peripheral innervation patterns in the horizontal and superior semicircular canals. J. Neurophysiol., 60, 167-181.

Fernández, C., Goldberg, J.M., Baird, R.A. (1990): The vestibular nerve of the chinchilla. III. Peripheral innervation patterns in the utricular macula. J. Neurophysiol., 63, 767-780.

Fernández, C., Lysakowski, A., Goldberg, J.M. (1995): Hair-cell counts and afferent innervation patterns in the cristae ampullares of the squirrel monkey with a comparison to the chinchilla. J. Neurophysiol., 73, 1253-1269.

Ferrier, D. (1876): The functions of the brain. 1st Edition, Smith-Elder: London.

Ferrier, D. (1886): The functions of the brain. 2nd Edition, Smith-Elder: London.

Flourens, P. (1824): Recherches expérimentales sur les propriétés et les fonctions du système nerveux dans les animaux vertébres. Crevot: Paris.

Forel, A., (1907): "Gesammelte hirnanatomische Abhandlungen." München.

Friauf, E. (1994): Distribution of calcium-binding protein calbindin-D28k in the auditory system of adult and developing rats. J. Comp. Neurol., 349, 193-211.

Fukuda, J., Highstein, S.M., Ito, M. (1972): Cerebellar inhibitory control of the vestibulo-ocular reflex investigated in rabbit IIIrd nucleus. Exp. Brain Res., 14, 511-526.

Gacek, R.R. (1969): The course and central termination of first order neurons supplying vestibular end organs in the cat. Acta Otolaryngol Suppl.(Stockh.), 254, 1-66.

Gall, F.J., Sprunzheimer, J.C. (1810-1819): Anatomie et physiologie du système nerveux en général et du cerveau en particular avec des observations sur la possibilité de reconnaître plusieurs dispositions intellectuelles et morales de l'homme et des animaux par la configuration de leur têtes. F. Schoell, Paris, 1-2, Librairie Grecque-Latine-Allemande, Paris, 3, Maze, Paris, 4.

Gerrits, N.M., Epema, A.H., van Linge, A., Dalm, E. (1989): The primary vestibulocerebellar projection in the rabbit: absence of primary afferents in the flocculus. Neurosci. Lett., 105, 27-33.

Ghetti, B., Alyea, C.J., Muller, J. (1978): Studies on the Purkinje cell degeneration (pcd) mutant: primary pathology and transneuronal changes. J. Neuropathol. Exp. Neurol., 37, 617.

Glickstein, M. (1997): Mossy-fibre sensory input to the cerebellum. Prog. Brain Res., 114, 251-259.

Goldberg, J.M., Fernández, C. (1971): Physiology of peripheral neurons innervating semicircular canals of the squirrel monkey.3. Variations among units in their discharge properties. J. Neurophysiol., 34, 676-684.

Goldberg, J.M., Fernández, C. (1977): Conduction times and background discharge of vestibular afferents. Brain Res., 122, 545-550.

Goldberg, J.M., Lysakowski, A., Fernández, C. (1990): Morphophysiological and ultrastructural studies in the mammalian cristae ampullares. Hear. Res., 49, 89-102.

Grüsser-Cornehls, U. (1988): Compensatory mechanisms at the level of the vestibular nuclei following post-natal degeneration of specific cerebellar cell classes and ablation of the cerebellum in mutant mice. In: Post-Lesion-Neural Plasticity. Springer: Berlin, Heidelberg, pp 431-442.

Gstoettner, W., Burian, M. (1987): Vestibular nuclear complex in the guinea pig: a cytoarchitectonic study and map in three planes. J. Comp. Neurol., 257, 176-188.

Guldin, W.O., Grüsser, O.J. (1998): Is there a vestibular cortex ? TINS, 21, 254-259.

Haines, D.E. (1977): Cerebellar corticonuclear and corticovestibular fibers of the flocculonodular lobe in a prosimian primate (*Galago senegalensis*). J. Comp. Neurol., 174, 607-630.

Held, H. (1892): Die Endigungsweise der sensiblen Nerven im Gehirn. Arch. Anat. Physiol. Anat. Abt., pp. 33-39.

Held, H. (1897): Beiträge zur Struktur der Nervenzelle und ihrer Fortsätze. Arch. Anat. Physiol., 273-312.

- Henkel, C.K., Martin, G.F. (1977a): The vestibular complex of the American opossum, *Didelphis virginiana*. I. Conformation, cytoarchitecture and primary vestibular input. J. Comp. Neurol., 172, 299-320.
- Henkel, C.K., Martin, G.F. (1977b): The vestibular complex of the American opossum *Didelphis virginiana*. II. Afferent and efferent connections. J. Comp. Neurol., 172, 321-348.
- Honrubia, V., Suárez, C., Kuruvilla, A., Sitko, S. (1985): Central projections of primary vestibular fibers in the bullfrog. III. The anterior semicircular canal afferents. Laryngoscope, 95, 1526-1535.
- Hsu, S.-M., Ree, H.J. (1980): Self-sandwich method. An improved immunoperoxidase technique for the detection of small amounts of antigens. Am. J. Clin. Pathol., 74, 32-40.
- Ingvar, S. (1918): Zur Phylo- und Ontogenese des Kleinhirns. Folia Neuro-biol., 11, 205-495.
- Ito, M. (1984): The cerebellum and neurol control. Raven Press: New York.
- Kevetter, G.A., Leonard, R.B. (1997): Use of calcium-binding proteins to map inputs in vestibular nuclei of the gerbil. J. Comp. Neurol., 386, 317-327.
- Kevetter, G.A., Perachio, A.A. (1983): Termination of vestibular afferents vestibular nuclear complex in the gerbil. Soc. Neurosci. Abstr. 9., 214.9.
- Kevetter, G.A., Perachio, A.A. (1986): Distribution of vestibular afferents that innervate the sacculus and posterior canal in the gerbil. J. Comp. Neurol., 254, 410-424.
- Klinke, R., Galley, N. (1974): Efferent innervation of vestibular and auditory receptors. Physiol. Rev., 54, 316-357.
- Kölliker, A. (1891): Der feinere Bau des verlängerten Markes. Anat. Anz., 6, 427-431.
- Korte, G.E. (1979): The brainstem projection of the vestibular nerve in the cat. J. Comp. Neurol., 184, 279-292.
- Korte, G.E., Mugnaini, E. (1979): The cerebellar projection of the vestibular nerve in the cat. J. Comp. Neurol., 184, 265-277.
- Kotchabhakdi, N., Walberg, F. (1978): Primary vestibular afferent projections to the cerebellum as demonstrated by retrograde axonal transport of horseradish peroxidase. Brain Res., 142, 142-146.
- Ladpli, R., Brodal, A. (1968): Experimental studies of commissural and reticular formation projections from the vestibular nuclei in the rat. Brain Res., 8, 65-96.
- Landis, S.C., Mullen, R.J. (1978): The development and degeneration of Purkinje cells in pcd mutant mice. J. Comp. Neurol., 177, 125-144.
- Lane, B.P. Europa, D.L. (1965): Differential staining of ultrathin sections of epon-embedded tissues for light microscopy. J. Histochem. Cytochem., 13, 579-582.

Langer, T., Fuchs, A.F., Scudder, C.A., Chubb, M.C. (1985): Afferents to the flocculus of the cerebellum in the rhesus macaque as revealed by retrograde transport of horseradish peroxidase. *J. Comp. Neurol.*, 235, 1-25.

Larsell, O. (1936): The development and morphology of the cerebellum in the opossum. II. Later development and adult. *J. Comp. Neurol.*, 63, 251-291.

Larsell, O. (1937): The cerebellum. A review and interpretation. *Arch. Neurol. Psychiatr. (Chic.)*, 38, 580-607.

Larsell, O., Jansen, J. (1967): The comparative anatomy and histology of the cerebellum from Myxinooids through birds. The University of Minnesota Press: Minneapolis.

Legrand, C., Thomasset, M., Parkes, C.O., Clavel, M.C., Rabié, A. (1983): Calcium-binding protein in the developing rat cerebellum. An immunocytochemical study. *Cell Tissue Res.*, 233, 398-402.

Leidler, R. (1916): Experimentelle Untersuchungen über das Endigungsgebiet des Nervus vestibularis. *Arb. Neurol. Inst., Wien*, 21, 151-212.

Lewandowski, M. (1904): Untersuchungen über die Leitungsbahnen des Truncus cerebri und ihren Zusammenhang mit denen der Medulla spinalis und des Cortex cerebri. *Neurobiol. Arb., Zweite Serie*, 1, 63-147.

Lohmann, C., Friauf, E. (1996): Distribution of the calcium-binding proteins parvalbumin and calretinin in the auditory brainstem of adult and developing rats. *J. Comp. Neurol.*, 367, 90-109.

Lorente de Nò, R. (1926): Études sur l'anatomie et la physiologie du labyrinthe de l'oreille et du VIII^e nerf. Deuxième partie. Quelques données au sujet de l'anatomie des organes sensoriels du labyrinthe. *Trav. Lab. Rech. Biol. Univ. (Madr.)*, 24, 53-153.

Lorente de Nò, R. (1933): Anatomy of the eighth nerve. The central projections of the nerve endings of the internal ear. *Laryngoscope*, 43, 1-38.

Luciani, L. (1891): Il cervelletto. Le Monnier: Firenze.

Matsushita, M., Wang, C.L. (1987): Projection pattern of vestibulocerebellar fibers in the anterior vermis of the cat: an anterograde wheatgerm agglutinin-horseradish peroxidase study. *Neurosci. Lett.*, 74, 25-30.

Mattson, M.P., Cheng, B., Baldwin, S.A., Smith-Swintosky, V.L., Keller, J., Geddes, J.W., Scheff, S.W., Christakos, S. (1995): Brain injury and tumor necrosis factors induce calbindin D-28k in astrocytes: evidence for a cytoprotective response. *J. Neurosci. Res.*, 42, 357-370.

Mehler, W.R., (1977): A comparative study of the cells of origin of cerebellar afferents in the rat, cat, and monkey studied with the horseradish peroxidase technique: II. The vestibular nuclear complex. *Anat. Rec.*, 187, 653.

Mehler, W.R., Rubertone, J.A. (1972): Comparative anatomy of the vestibular nuclear complex in submammalian vertebrates. *Prog. Brain Res.*, 37, 55-67.

- Morris, R.J., Beech, J.N., Heizmann, C.W. (1988): Two distinct phases of mechanisms of axonal growth shown by primary vestibular fibres in the brain, demonstrated by parvalbumin immunohistochemistry. *Neuroscience*, 27, 571-596.
- Mullen, R.J., Eicher, E.M., Sidman, R.L. (1976): Purkinje cell degeneration, a new neurological mutation in the mouse. *Proc. Natl. Acad. Sci. USA*, 73, 208-212.
- Oscarsson, O. (1979): Functional units of the cerebellum-sagittal zones and microzones. *TINS*, 2, 143-145.
- Onufrowicz, B. (1885): Experimenteller Beitrag zur Kenntnis des Ursprungs des Nervus acusticus des Kaninchens. *Arch. Psychiatr. Nervenkr.*, 16, 11-742.
- Pappas, I.S., Parnavelas, J.G. (1997): Neurotrophins and basic fibroblast growth factor induce the differentiation of calbindin-containing neurons in the cerebral cortex. *Exp. Neurol.*, 144, 302-314.
- Parkes, C.O., Mariani, J., Thomasset, M. (1985): 28 K cholecalciferin (CaBP) levels in abnormal cerebella: studies on mutant mice and harmaline- and 3-acetylpyridine-treated rats. *Brain Res.*, 339, 265-269.
- Parmentier, M. (1990): Structure of the human cDNAs and genes coding for calbindin D28K and calretinin. *Adv. Exp. Med. Biol.*, 269, 27-34.
- Paxinos, G., Watson, C. (1986): The rat brain in stereotaxic coordinates. Academic Press: Sydney.
- Pellegrino, L.J., Pellegrino, A.S., Cushman, A.J. (1979): A stereotaxic atlas of the rat brain. Plenum Press: New York.
- Pflieger, J.-F., Cabana, T. (1996): The vestibular primary afferents and the vestibulospinal projections in the developing and adult opossum, *Monodelphis domestica*. *Anat. Embryol. (Berl.)*, 194, 75-88.
- Phillips, R.J.S. (1960): 'Lurcher', a new gene in linkage group XI of the house mouse. *J. Genet.*, 57, 35-42.
- Precht, W., Volkkind, R., Blanks, R.H.I. (1977): Functional organization of the vestibular input to the anterior and posterior cerebellar vermis of cat. *Exp. Brain Res.*, 27, 143-160.
- Ramón y Cajal, S. (1896): Studium der Medulla oblongata des Kleinhirns und des Ursprungs der Gehirnnerven. Johann Ambrosius Barth: Leipzig.
- Ramón y Cajal, S. (1909): Histologie du système nerveux de l'homme et des vertébrés. Tome I, Maloine: Paris.
- Ramón y Cajal, S. (1911): Histologie du système nerveux de l'homme et des vertébrés. Tome II, Maloine: Paris.
- Rasmussen, G.L. (1958): A direct cochleo-cerebellar connection. Tenth biennial meeting of the American Academy of Neurology. (Philadelphia, 21.-26 April 1958), p 77, quoted by Brodal and Høivik, 1964.

Raymond, J., Dechesne, C.J., Desmadryl, G., Demêmes, D. (1993): Different calcium-binding proteins identify subpopulations of vestibular ganglion neurons in the rat. *Acta Otolaryngol. Suppl.* (Stockh.), 503, 114-118.

Résibois, A., Rogers, J.H. (1992): Calretinin in the rat brain: An immunohistochemical study. *Neuroscience*, 46, 101-134.

Richter, E. (1981): Scarpa's ganglion in the cat one year after labyrinthectomy. *Arch. Otorhinolaryngol.*, 230, 251-255.

Roffler-Tarlov, S., Beart, P.M., O'Gorman, S., Sidman, R.L. (1979): Neurochemical and morphological consequences of axon terminal degeneration in cerebellar deep nuclei of mice with inherited Purkinje cell degeneration. *Brain Res.*, 168, 75-95.

Rogers, J.H. (1987): Calretinin: A gene for a novel calcium-binding protein expressed principally in neurons. *J. Cell. Biol.*, 105, 1343-1353.

Rogers, J.H. (1989): Immunoreactivity for calretinin and other calcium-binding proteins in the cerebellum. *Neuroscience*, 31, 711-721.

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

Sachs, E., Alvis, B.Y. (1921): Anatomic and physiologic studies of the eighth nerve. *Arch. Neurol. Psychiatr.*, 6, 119-145.

Schwarz, I.E., Schwarz, D.W.F. (1983): The primary vestibular projection to the cerebellar cortex in the pigeon (*Columba livia*). *J. Comp. Neurol.*, 216, 438-444.

Shambes, G.M., Beermann, D.H., Welker, W. (1978): Multiple tactile areas in cerebellar cortex: another patchy cutaneous projection to granule cell columns in rats. *Brain Res.*, 157, 123-128.

Sherrington, C. (1906): *The integrative action of the nervous system*. Yale: New Haven.

Sidman, R.L., Angevine, J.B., Taber-Pierce, E. (1971): *Atlas of the mouse brain and spinal cord*. Harvard University Press: Cambridge, Massachusetts.

Sloviter, R.S., Sollas, A.L., Barbaro, N.M., Laxer, K.D. (1991): Calcium-binding protein (Calbindin-D28k) and parvalbumin immunocytochemistry in the normal and epileptic human hippocampus. *J. Comp. Neurol.*, 308, 381-396.

Snider, R.S., Stowell, A. (1944): Receiving areas of the tactile, auditory and visual systems in the cerebellum. *J. Neurophysiol.*, 7, 331-357.

Spatz, W.B., Löhle, E. (1995): Calcium-binding proteins in the spiral ganglion of the monkey, *Callithrix jacchus*. *Hear. Res.*, 86, 89-99.

Suárez, C., Honrubia, V., Gómez, J., Lee, W.S., Newman, A. (1989): Primary vestibular projections in the chinchilla. *Arch. Otorhinolaryngol.*, 246, 242-248.

Swisher, D.A., Wilson, D.B. (1977): Cerebellar histogenesis in the lurcher (*Lc*) mutant mouse. *J. Comp. Neurol.*, 173, 205-217.

Tan, H., Gerrits, N.M. (1992): Laterality in the vestibulo-cerebellar mossy fiber projection to flocculus and caudal vermis in the rabbit: a retrograde fluorescent double-labeling study. *Neuroscience*, 47, 909-919.

Triarhou, L.C., Norton, J., Alyea, C., Ghetti, B. (1985): A quantitative study of the granule cells in the Purkinje cell degeneration mutant. *Ann. Neurol.*, 18, 146.

Usami, S., Shinkawa, H., Inoue, Y., Kanzaki, J., Anniko, M. (1995): Calbindin-D28K location in the primate inner ear. *ORL J. Otolaryngol. Relat. Spec.*, 57, 94-99.

Walberg, F., Browsher, D., Brodal, A. (1958): The termination of primary vestibular fibres in the vestibular nuclei in the cat. An experimental study with silver methods. *J. Comp. Neurol.*, 110, 391-418.

Wasif, M., Simons, J., Tappaz, M.L., Sotelo, C. (1986): Non-Purkinje cell GABAergic innervation of the deep cerebellar nuclei: a quantitative immunocytochemical study in C57BL and in Purkinje cell degeneration mutant mice. *Brain Res.*, 399, 125-135.

Wasif, M., Chedotal, A., Cholley, B., Thomasset, M., Heizmann, C.W., Sotelo, C. (1992): Development of the olivocerebellar projection in the rat: I. Transient biochemical compartmentation of the inferior olive. *J. Comp. Neurol.*, 323, 519-536.

Wassermann, R.H., Taylor, A.N. (1966): Vitamin D₃-induced calcium-binding protein in chick intestinal mucosa. *Science*, 152, 791-793.

Wersäll, J. (1956): Studies of the structure and innervation of the sensory epithelium of the cristae ampullares in the guinea pig. *Acta Otolaryngol. Suppl. (Stockh.)*, 126, 1-85.

Weston, J.K. (1936): The reptilian vestibular and cerebellar gray with fibre connections. *J. Comp. Neurol.*, 65, 93-199.

Wetts, H., Herrup, K. (1982): Interaction of granule, Purkinje and inferior olfactory neurons in lurcher chimeric mice. II. Granule cell death. *Brain Res.*, 250, 358-362.

Wood, G.S., Warnke, R. (1981): Suppression of endogenous avidin-binding activity in tissues and its relevance to biotin-avidin detection systems. *J. Histochem. Cytochem.*, 29, 1196-1204.

Yagi, T., Simpson, N.E., Markham, C.H. (1977): The relationship of conduction velocity to other physiological properties of the cat's horizontal canal neurons. *Exp. Brain Res.*, 30, 587-600.

Yaginuma, H., Matsushita, M. (1987): Spinocerebellar projections from the thoracic cord in the cat, as studied by anterograde transport of wheat germ agglutinin-horseradish peroxidase. *J. Comp. Neurol.*, 258, 1-27.

Yan, X.X., Garey, L.J. (1996): Calretinin immunoreactivity in the monkey and cat: Cellular localisation and modular distribution. *J. Brain Res.*, 37, 409-419.