

FILIPPO TEMPIA

CURRICULUM VITAE

Nato a Torino, il 20 agosto 1960.

1986: laurea in Medicina e Chirurgia presso l'Università degli Studi di Torino con lode e dignità di stampa

1990: Dottore di Ricerca in "Scienze Neurologiche" discutendo una tesi dal titolo "Ruolo del sistema olivo-cerebellare nel controllo dinamico e adattativo della stabilizzazione dello sguardo".

1990-1993: Ricercatore Universitario presso il Dipartimento di Anatomia e Fisiologia Umana dell'Università degli Studi di Torino.

1992-1993: congedo per motivi di studio e di ricerca scientifica dall'Università di Torino, trascorso presso i laboratori del Prof. A. Konnerth al Max Planck Institut für biophysikalische Chemie di Göttingen (Germania) e il I. Physiologisches Institut der Universität des Saarlandes a Homburg/Saar (Germania).

1993-1998: Ricercatore Universitario Confermato presso il Dipartimento di Anatomia e Fisiologia Umana (dal 1 gennaio 1996 Dipartimento di Neuroscienze) dell'Università degli Studi di Torino.

1998-2004 : Professore Associato di Fisiologia Umana (dal 2001 Professore Associato Confermato) presso l'Istituto di Fisiologia Umana (dall'anno 2000 Sezione di Fisiologia Umana del Dipartimento di Medicina Interna) dell'Università di Perugia, Facoltà di Medicina e Chirurgia.

Marzo 2002: Idoneità a Professore di prima fascia per il settore scientifico-disciplinare BIO/09 – Fisiologia.

Novembre 2004-Settembre 2005: Professore Associato Confermato di Fisiologia presso la Sezione di Fisiologia del Dipartimento di Neuroscienze dell'Università di Torino, Facoltà di Medicina e Chirurgia.

Dal 1° ottobre 2005: Prof. Straordinario di Fisiologia presso il Dipartimento di Neuroscienze dell'Università di Torino, Facoltà di Medicina e Chirurgia; dal 2008 Professore Ordinario.

2006-2012: membro del Centro Interdipartimentale dell'Università di Torino "Rita Levi-Montalcini Center for Brain Repair".

Dal 2006: membro del Consorzio Interuniversitario di Neuroscienze denominato "Istituto Nazionale di Neuroscienze" (INN).

Dal 1° ottobre 2008: Prof. Ordinario di Fisiologia presso la Sezione di Fisiologia del Dipartimento di Neuroscienze dell'Università di Torino, Facoltà di Medicina e Chirurgia.

Dal 2010: Group Leader al Neuroscience Institute Cavalieri Ottolenghi (N.I.C.O.)

Anno accademico 2013/2014: congedo per motivi di studio e di ricerca scientifica dall'Università di Torino, trascorso presso i laboratori della University of Texas Medical Branch at Galveston, TX (USA).

Attività scientifica

1. Linee di ricerca in corso:

- meccanismi responsabili della degenerazione delle cellule di Purkinje nell'atassia SCA38 (in collaborazione con la University of Texas Southwest Medical Center)
- meccanismi responsabili della degenerazione delle cellule di Purkinje in un modello knock-in di atassia SCA28
- meccanismi cerebellari in un modello murino di atassia SCA27
- alterazioni psichiatriche comportamentali, strutturali e funzionali nei topi Fgf14 knock-out
- meccanismi di diffusione delle lesioni patologiche in modelli di morbo di Alzheimer, studiati tramite trapianti intracerebrali

2. Collaborazioni scientifiche in corso:

- Prof. Fernanda Laezza, Dept. of Pharmacology and Toxicology, University of Texas Medical Branch, Galveston, TX (USA).
- Prof. Giulio Tagliatela, Dept. of Neuroscience, University of Texas Medical Branch, Galveston, TX
- Dott. Alfredo Brusco, Dip. di genetica, biologia e biochimica, Università di Torino, Torino. (USA)
- Prof. Giorgio Casari, Università Vita-Salute San Raffaele, Milano
- Prof. Jay Horton e Prof. Young-Ah Moon, UT Southwestern University Medical Center, Dallas, TX, USA.
- Prof. Giacomo Consalez, Università Vita-Salute San Raffaele, Milano.

3. È membro dell'Editorial Board delle seguenti riviste internazionali:

- Frontiers in Aging Neuroscience (Review Editor)
- Frontiers in Dementia (Review Editor)
- Frontiers in Synaptic Neuroscience (Review Editor)
- International Journal of Brain Science
- Journal of Neuroscience and Rehabilitation
- TheScientificWorldJOURNAL
- The American Journal of Alzheimer's disease
- American Journal of Life Sciences

4. Ha svolto opera come referee per le seguenti riviste internazionali:

Behavioural Brain Research

British Journal of Pharmacology

European Journal of Neurology

European Journal of Neuroscience

Frontiers in Aging Neuroscience

Frontiers in Cellular Neuroscience

Frontiers in Dementia
Frontiers in Synaptic Neuroscience
Journal of Neurophysiology
Journal of Physiology (London)
Molecular Neurobiology
Nature Communications
Neurobiology of Disease
Neurochemistry International
Neuropharmacology
Neuroscience
Neuroscience Research
Pflügers Archiv - European Journal of Physiology
Physiological Research
PLoS ONE
Proceedings of the National Academy of Sciences of the United States of America
The Journal of Physiological Sciences

5. È stato referee di applications per le seguenti organizzazioni:

- Human Frontier Science Program
- European Union EU Joint Program - Neurodegenerative Disease Research (JPND)
- Biotechnology and Biological Sciences Research Council (UK)
- The Royal Society (UK)
- Telethon Italia
- Ministero dell'Istruzione, dell'Università e della Ricerca (PRIN e FIRB)

6. È o è stato membro delle seguenti società scientifiche:

- Società Italiana di Fisiologia (SIF)
- Società Italiana di Neuroscienze (SINS)
- Federation of European Neuroscience Societies (FENS)
- Society for Neuroscience (SfN)
- International Brain Research Organization (IBRO)
- American Association for the Advancement of Science (AAAS)
- Alzheimer's Association International Society to Advance Alzheimer Research and Treatment (ISTAART)

Publicazioni "in extenso" su riviste internazionali

1. Benedetti F., Montarolo P.G., Strata P., Tempia F. (1983). Inferior olive inactivation decreases the excitability of the intracerebellar and lateral vestibular nuclei in the rat. *J. Physiol. (London)* 340: 195-208.
2. Savio T., Tempia F. (1985). On the Purkinje cell activity increase induced by suppression of inferior olive activity. *Exp. Brain Res.* 57: 456-563.
3. Rossi F., Chelazzi L., Tempia F., Strata P. (1988). Antagonist action of imidazobenzodiazepine Ro 15-4513 on ethanol induced alterations of saccadic eye movements in the pigmented rat. *Neurosci. Lett.* 89: 69-73.
4. Rossi F., Chelazzi L., Tempia F., Strata P. (1989). Effects of ethanol and imidazobenzodiazepine Ro 15-4513 on spontaneous saccades of the pigmented rat. *Exp. Brain Res.* 76: 1-11.
5. Lopiano L., Chelazzi L., de'Sperati C., Tempia F., Strata P. (1989). Pentylentetrazol-induced convulsions in magnesium-deprived rats. *Functional Neurology* 4: 229-234.
6. Chelazzi L., Rossi F., Tempia F., Ghirardi M., Strata P. (1989). Saccadic eye movements and gaze holding in the head-restrained pigmented rat. *Eur. J. Neurosci.* 1: 639-646.
7. Strata P., Chelazzi L., Ghirardi M., Rossi F., Tempia F. (1990). Spontaneous saccades and gaze-holding ability in the pigmented rat. I. Effects of inferior olive lesion. *Eur. J. Neurosci.* 2: 1074-1084.
8. Chelazzi L., Ghirardi M., Rossi F., Strata P., Tempia F. (1990). Spontaneous saccades and gaze-holding ability in the pigmented rat. II. Effects of localized cerebellar lesions. *Eur. J. Neurosci.* 2: 1085-1094.
9. Tempia F., Dieringer N., Strata P. (1991) Adaptation and habituation of the vestibulo-ocular reflex in intact and inferior olive-lesioned rats. *Exp. Brain Res.* 86: 568-578.
10. Tempia F., Ghirardi M., Dotta M., Strata P. (1992) Spontaneous gaze shifts in intact head-free rats and following inferior olive and cerebellar lesions. *Eur. J. Neurosci.* 4: 1239-1248.
11. Schneggenburger R., Tempia F., Konnerth A. (1993) Glutamate- and AMPA-mediated calcium influx through glutamate receptors channels in medial septal neurons. *Neuropharmacol.* 32: 1221-1228.
12. de'Sperati C., Tempia F., Harvey R., Strata P. (1994) Vergence compensation during binocularly- and monocularly-evoked horizontal optokinetic nystagmus in the pigmented rat. *Vision Res.* 34: 3335-3345.
13. Gauthier G.M., de'Sperati C., Tempia F., Marchetti E., Strata P. (1995) Influence of eye motion on adaptive modifications of the vestibulo-ocular reflex in the rat. *Exp. Brain Res.* 103: 393-401.
14. Tempia F., Kano M., Schneggenburger R., Schirra C., Garaschuk O., Plant T., Konnerth A. (1996) The fractional calcium current through neuronal AMPA receptor channels with a 'low' calcium permeability. *J. Neurosci.* 16: 456-466.
15. Garaschuk O., Schneggenburger R., Schirra C., Tempia F., Konnerth A. (1996) Fractional calcium currents through somatic and dendritic glutamate receptor channels of hippocampal CA1 pyramidal neurones. *J. Physiol. (London)* 491: 757-772.
16. Tempia F., Bravin M., Strata P. (1996) Postsynaptic currents and short-term synaptic plasticity in Purkinje cells grafted onto an adult cerebellar cortex. *Eur. J. Neurosci.* 8: 2690-2701.
17. Strata F., Atzori M., Molnar M., Ugolini G., Tempia F., Cherubini E. (1997) A pacemaker current in dye coupled hilar interneurons contributes to the generation of giant GABAergic potentials in developing hippocampus. *J. Neurosci.* 17: 1435-1446.

18. Tempia F., Miniaci M.C., Anchisi D., Strata P. (1998) Postsynaptic current mediated by metabotropic glutamate receptors in cerebellar Purkinje cells. *J Neurophysiol* 80: 520-528.
19. Chiesa N., Barlow C., Wynshaw-Boris A., Strata P., Tempia F. (2000) Atm-deficient mice Purkinje cells show age dependent defects in calcium spike bursts and calcium currents. *Neuroscience* 96: 575-583.
20. Knopfel T., Anchisi D., Alojado M.E., Tempia F., Strata P. (2000) Elevation of intradendritic sodium concentration mediated by synaptic activation of metabotropic glutamate receptors in cerebellar Purkinje cells. *Eur J Neurosci* 12: 2199-2204.
21. Anchisi D., Scelfo B., Tempia F. (2001) Postsynaptic currents in deep cerebellar nuclei. *J Neurophysiol* 85: 323-331.
22. Tempia F., Alojado M.E., Strata P., Knopfel T. (2001) Characterization of the mGluR1- mediated electrical and calcium signaling in Purkinje cells of mouse cerebellar slices. *J Neurophysiol* 86: 1389-1397.
23. Miniaci M.C., Bonsi P., Tempia F., Strata P., Pisani A. (2001) Presynaptic modulation by group III metabotropic glutamate receptors (mGluRs) of the excitatory postsynaptic potential mediated by mGluR1 in rat cerebellar Purkinje cells. *Neurosci Lett* 310: 61-65.
24. Sacco T., Tempia F. (2002) A-type potassium currents active at subthreshold potentials in mouse cerebellar Purkinje cells. *J Physiol* 543: 505-520.
25. Sacco T., Bruno A., Wanke E., Tempia F. (2003) Functional roles of an ERG current isolated in cerebellar Purkinje neurons. *J Neurophysiol* 90: 1817-1828.
26. Buratta S., Mambrini R., Miniaci M.C., Tempia F., Mozzi R. (2004). Group I metabotropic glutamate receptors mediate the inhibition of phosphatidylserine synthesis in rat cerebellar slices: a possible role in physiology and pathology. *J Neurochem* 89: 730-738.
27. Sacchetti B, Scelfo B, Tempia F, Strata P. (2004) Long-term synaptic changes induced in the cerebellar cortex by fear conditioning. *Neuron* 42: 973-982.
28. Guasti L, Cilia E, Crociani O, Hofmann G, Polvani S, Becchetti A, Wanke E, Tempia F, Arcangeli A. (2005) Expression pattern of the ether-a-go-go-related (ERG) family proteins in the adult mouse central nervous system: evidence for coassembly of different subunits. *J Comp Neurol* 491:157-174.
29. Zhu L, Scelfo B, Tempia F, Sacchetti B and Strata P. (2006) Membrane excitability and fear conditioning in cerebellar Purkinje cell. *Neuroscience* 140: 801-810.
30. Schiavon E[^], Sacco T[^], Restano Cassulini R, Gurrola G, Tempia F, Possani LD, and Wanke E (2006) Resurgent current and voltage sensor-trapping enhanced activation by a β -scorpion toxin solely in Na_v1.6 channel: significance in mice Purkinje neurons. *J Biol Chem* 281: 20326-20337.
31. Sacco T, De Luca A, Tempia F. (2006) Properties and expression of Kv3 channels in cerebellar Purkinje cells. *Mol Cell Neurosci* 33: 170-179.
32. Boda E, Pini A, Hoxha E, Parolisi R, Tempia F (2009) Selection of reference genes for quantitative real time RT-PCR studies in mouse brain. *J Mol Neurosci* 37: 238-253; doi: 10.1007/s12031-008-9128-9.
33. Di Bella D, Lazzaro F, Brusco A, Plumari M, Battaglia G, Pastore A, Finardi A, Cagnoli C, Tempia F, Frontali M, Veneziano L, Sacco T, Boda E, Brussino A, Bonn F, Castellotti B, Baratta S, Mariotti C, Gellera C, Fracasso V, Magri S, Langer T, Plevani P, Di Donato S, Muzi-Falconi M, Taroni F (2010) Mutations in the mitochondrial protease gene *AFG3L2* cause dominant hereditary ataxia SCA28. *Nature Genetics* 42: 313-331 (doi:10.1038/ng.544).

34. Sacco T*, Boda E*, Hoxha E, Pizzo R, Cagnoli C, Brusco A, Tempia F (2010) Mouse brain expression patterns of *Spg7*, *Afg3l1*, and *Afg3l2* transcripts, encoding for the mitochondrial *m*-AAA protease. *BMC Neuroscience* 11: 55 (doi:10.1186/1471-2202-11-55).
35. Bianchi FT, Camera P, Ala U, Imperiale D, Migheli A, Boda E, Tempia F, Berto G, Bosio Y, Oddo S, LaFerla FM, Taraglio S, Dotti C, Di Cunto F. (2011) The collagen chaperone HSP47 is a new partner of APP that modulates the levels of beta-amyloid peptides. *PLoS One*. 2011; 6:e22370.
36. Boda E, Viganò F, Rosa P, Fumagalli M, Labat-gest V, Tempia F, Abbracchio MP, Dimou L, Buffo A. (2011) The GPR17 receptor in NG2 expressing cells: focus on *in vivo* cell maturation and participation in acute trauma and chronic damage. *Glia* 59: 1958-1973 (DOI: 10.1002/glia.21237).
37. Boda E*, Hoxha E*, Pini A, Montarolo F, Tempia F. (2012) Brain expression of Kv3 subunits during development, adulthood, aging and in a murine model of Alzheimer's disease. *J Mol Neurosci* 46: 606-615 (DOI: 10.1007/s12031-011-9648-6).
38. Hoxha E, Boda E, Montarolo F, Parolisi R, **Tempia F** (2012) Excitability and synaptic alterations in the cerebellum of APP/PS1 mice. *PLoS ONE* 7(4): e34726 (13 pages) (doi:10.1371/journal.pone.0034726).
39. Hoxha E, Tonini R, Montarolo F, Croci L, Consalez GG, **Tempia F** (2013) Motor dysfunction and cerebellar Purkinje cell firing impairment in *Ebf2* null mice. *Mol Cell Neurosci* 52: 51-61. (doi: 10.1016/j.mcn.2012.09.002).
40. Di Gregorio E, Bianchi FT, Schiavi A, Chiotto AM, Rolando M, Verdun di Cantogno L, Grosso E, Cavalieri S, Calcia A, Lacerenza D, Zuffardi O, Retta SF, Stevanin G, Marelli C, Durr A, Forlani S, Chelly J, Montarolo F, **Tempia F**, Beggs HE, Reed R, Squadrone S, Abete MC, Brussino A, Ventura N, Di Cunto F, Brusco A. (2013) A de novo X;8 translocation creates a PTK2-THOC2 gene fusion with THOC2 expression knockdown in a patient with psychomotor retardation and congenital cerebellar hypoplasia. *J Med Genet*. 50: 543-551. (doi:10.1136/jmedgenet-2013-101542).
41. Montarolo F, Parolisi R, Hoxha E, Boda E, **Tempia F** (2013) Early enriched environment exposure protects spatial memory and accelerates amyloid plaque formation in APP^{Swe}/PS1^{L166P} mice. *PLoS ONE* 8(7): e69381. (doi:10.1371/journal.pone.0069381).
42. Di Gregorio E, Borroni B, Giorgio E, Lacerenza D, Ferrero M, Lo Buono N, Ragusa N, Mancini C, Gausson M, Calcia A, Mitro N, Hoxha E, Mura I, Coviello DA, Moon YA, Tesson C, Vaula G, Couarch P, Orsi L, Duregon E, Papotti MG, Deleuze JF, Imbert J, Costanzi C, Padovani A, Giunti P, Maillat-Vioud M, Durr A, Brice A, **Tempia F**, Funaro A, Boccone L, Caruso D, Stevanin G, Brusco A. (2014) ELOVL5 Mutations Cause Spinocerebellar Ataxia 38. *Am J Hum Genet* 95: 209-217. pii: S0002-9297(14)00310-3. doi: 10.1016/j.ajhg.2014.07.001.
43. Lippiello P, Hoxha E, Volpicelli F, De Luca G, **Tempia F***, Miniaci MC. (2015) Noradrenergic Modulation of the Parallel Fiber-Purkinje Cell Synapse in Mouse Cerebellum. *Neuropharmacol* 89: 33-42. DOI: 10.1016/j.neuropharm.2014.08.016. (* corresponding author).
44. Nenov MN, **Tempia F**, Denner L, Dineley KT, Laezza F. (2015) Impaired firing properties of dentate granule neurons in an Alzheimer's disease animal model are rescued by PPAR γ agonism. *J Neurophysiol* 113: 1712-1726. DOI: <http://dx.doi.org/10.1152/jn.00419.2014>.
45. Sallam HS, Tumurbaatar B, Zhang WR, Tuvdendorj D, Chandalia M, **Tempia F**, Laezza F, Tagliatela G, Abate N. (2015) Peripheral adipose tissue insulin resistance alters lipid composition and function of hippocampal synapses. *J Neurochem* 133: 125-133. DOI: <http://dx.doi.org/10.1111/jnc.13043>
46. **Tempia F**, Hoxha E, Negro G, Alshammari MA, Alshammari TK, Panova-Elektronova N and Laezza F (2015) Parallel fiber to Purkinje cell synaptic impairment in a mouse model of spinocerebellar ataxia type 27. *Front. Cell. Neurosci.* 9:205. doi: <http://dx.doi.org/10.3389/fncel.2015.00205>
47. Sadallah M, Labat-Gest V, **Tempia F**. Propagation of neuronal damage to embryonic grafts transplanted in the hippocampus of murine models of Alzheimer's disease. *Rejuvenation Res.* (Instant Online ahead of print June 2, 2015) doi: <http://dx.10.1089/rej.2015.1672>.
48. Lippiello Pellegrino, Hoxha Eriola, Speranza Luisa, Volpicelli Floriana, Ferraro Angela, Leopoldo Marcello, Lacivita Enza, Perrone-Capano Carla, **Tempia Filippo** and Miniaci Maria Concetta. The 5-HT7 Receptor Triggers Cerebellar Long-Term Synaptic Depression via PKC-MAPK (in press).

Rassegne e capitoli di libri

49. Savio T., Tempia F. (1984). Inferior olive: its tonic inhibitory effect on the cerebellar Purkinje cells in the rat without anesthesia. In: Bloedel J., Dichgans J., Precht W. (eds.), *Cerebellar Functions*, Springer, Berlin Heidelberg New York Tokyo, pp. 278-279.
50. Tempia F., Chelazzi L., Rossi F., Ghirardi M., Strata P. (1989). Spontaneous saccades in the pigmented rat after inferior olive lesion. In Strata P. (ed.) *The olivocerebellar system in motor control*. *Exp. Brain Res. Series 17*: 294-298.
51. Strata P., Tempia F. (1992) *The olivocerebellar system*. *Func. Neurol. Suppl.* 4: 11-15.
52. Strata P., Chelazzi L., Tempia F., Rossi F., Ghirardi M. (1992) Cerebellar control of saccadic eye movements in the pigmented rat. In Llinás R. e Sotelo C. (eds) "*Cerebellum revisited*", Springer, Berlin, pp. 215-225.
53. Tempia F., Konnerth A. (1993) Synaptic mechanisms of cerebellar long-term depression. In: *Memory concepts*. Andersen P., Hvalby Ø., Paulsen O., Hökfelt B. (eds.) Elsevier Science Publishers B.V., Amsterdam, London, New York, Tokyo, pp. 223-231.
54. Tempia F., Konnerth A. (1994) Calcium requirement of long-term depression and rebound potentiation in cerebellar Purkinje neurons. *Seminars in Cell Biol.* 5: 243-250.
55. Strata P., Rossi F., Tempia F. (1994) Role of the inferior olive in the performance of the saccadic neural integrator. In: Fuchs A.F., Brandt T., Büttner U. and Zee D. (eds.) *Contemporary ocular motor and vestibular research: a tribute to David A. Robinson*. Georg Thieme Verlag, Stuttgart New York, pp. 203-205.
56. Gauthier G.M., de'Sperati C., Tempia F., Marchetti E., Strata P. (1994) Eye motion-coding information mediate adaptive modification of vestibulo-ocular reflex in rat. In: Fuchs A.F., Brandt T., Büttner U. and Zee D. (eds.) *Contemporary ocular motor and vestibular research: a tribute to David A. Robinson*. Georg Thieme Verlag, Stuttgart New York, pp. 60-67.
57. Strata P., Rossi F., Tempia F. (1995) Inferior olive and the saccadic neural integrator. In: W.R. Ferrell, U. Proske (ed.) *Neural control of movement*. Plenum, New York, pp. 241-249.
58. Strata P., Tempia F., Zagrebelsky M., Rossi F. (1997) Reciprocal trophic interactions between climbing fibres and Purkinje cells in the rat cerebellum. In: de Zeeuw C., Voogd J., Strata P. (eds.) *The Cerebellum: from Structure to Control*. *Prog. Brain Res.* 114, Elsevier, Amsterdam, pp. 264-282.
59. Tempia F. (2002) La plasticità indotta dall'esperienza. In: Benedetti F, Rossi F, Strata P, Tempia F "*Atlante di Plasticità Neuronale*", pp. 29-40, Carism, Torino.
60. Tempia F. (2005) Il cervelletto. In: AA.VV. "*Fisiologia medica*", Edi-Ermes, Milano.
61. Rossi F., Tempia F. (2006) Unraveling the Purkinje neuron (Editorial). *The Cerebellum* 5: 75-76.
62. Tempia F. (2008), Free will and decision making in aesthetic and moral judgments. *Acta Philosophica* 17: 273-290.
63. Tempia F. (2011) Free will, perceived time and neural correlates of conscious human decisions. In: *Moral behavior and free will: a neurological and philosophical approach*. Editors: Juan José Sanguinetti, Ariberto Acerbi, José Angel Lombo. The STOQ Project Research Series. Morolo, IF Press, pp. 169-181. ISBN: 978-88-95565-64-4.
64. Tempia F. (2011) Neurophysiological bases of moral judgment, In: *Moral behavior and free will: a neurological and philosophical approach*. Editors: Juan José Sanguinetti, Ariberto Acerbi, José Angel Lombo. The STOQ Project Research Series. Morolo, IF Press, pp. 299-317. ISBN: 978-88-95565-64-4.

Atti di congressi

65. Benedetti F., Montarolo P.G., Strata P., Tempia F. (1982). Effect of reversible inferior olive inactivation on the activity of cerebellar and vestibular nuclei. *Neurosci. Lett. Suppl.* 10, S70.
66. Savio T., Tempia F. (1983). The inhibitory effect of the olivocerebellar fibres on the cerebellar Purkinje cells in the rat under urethane anaesthesia. *Neurosci. Lett. Suppl.* 14, S327.
67. Savio T., Tempia F. (1983). Inibizione tonica della via olivocerebellare sulle cellule di Purkinje nel ratto sveglio o sotto anestesia da uretano. *Boll. Soc. It. Biol. Sperim.* 59: 182.
68. Rocca P., Tempia F., Hess B.J.M., Strata P. (1986) Plasticity of the vestibuloocular reflex following inferior olive lesion. *Atti 2° Congresso della Società Italiana di Neuroscienze, Pisa, 2-5 dicembre 1986, 252.*
69. Chelazzi L., Tempia F., Ghirardi M., Rossi F., Strata P. (1987). Inferior olive and saccadic eye movements in the pigmented rat. *Neurosci. Suppl.* 22, 2195P.
70. Chelazzi L., Tempia F., Ghirardi M., Rossi F., Strata P. (1988). Inferior olive control of saccadic eye movements in the pigmented rat. *Pflügers Arch.* 412: S25.
71. Chelazzi L., Rossi F., Tempia F., Ghirardi M., Strata P. (1988). Spontaneous saccades in the rat following localized cerebellar lesions. *Eur. J. Neurosci. Suppl.* 1, 6.5.
72. Rossi F., Chelazzi L., Tempia F., Strata P. (1988). Effects of ethanol and imidazobenzodiazepine Ro 15-4513 on spontaneous saccades in the rat. *Eur. J. Neurosci. Suppl.* 1, 6.6.
73. Strata P., Chelazzi L., Ghirardi M., Rossi F., Tempia F. (1988). Controllo cerebellare dei movimenti saccadici nel ratto bruno. *Atti della riunione della Società Italiana di Fisiologia. Sassari, 26-28 settembre 1988.*
74. Strata P., Chelazzi L., Ghirardi M., Rossi F., Tempia F. (1988). Cerebellar control of saccadic eye movements in the pigmented rat. *Atti del congresso: Neurobiology of the cerebellar systems: a centenary of Ramon y Cajal description of the cerebellar circuits. Barcellona, 19-22 ottobre 1988*
75. Strata P., Chelazzi L., Ghirardi M., Rossi F., Tempia F. (1988). Spontaneous saccades in the pigmented rat after inferior olive and cerebellar lesions. *Soc. Neurosci. Abstr.* 14: 320.10
76. Rossi F., Chelazzi L., Tempia F., Ghirardi M., Strata P. (1988). Role of the olivocerebellar system in the control of saccadic eye movements in the pigmented rat. *Neurosci. Lett. Suppl.* 33: S166.
77. Tempia F., Ghirardi M., Dotta M., Strata P. (1989). Effects of cerebellar or inferior olive lesion on coordinated eye-head movements in the rat. *Eur. J. Neurosci. Suppl.* 2, 6.4
78. Chelazzi L., Rossi F., Tempia F., Ghirardi M., Strata P. (1989). Effects of localized cerebellar lesions on spontaneous saccades in the rat. *Pflügers Arch.* 414: S71
79. Ghirardi M., Tempia F., Chelazzi L., Rossi F., Strata P. (1990). Characteristics of the postsaccadic drift following inferior olive lesion or flocculus-paraflocculus lesions. *Eur. J. Neurosci. Suppl.* 3: 1064
80. Tempia F., Dieringer N., Strata P. (1990). Inferior olive-lesion impairs VOR-adaptation in rats. *Eur. J. Neurosci. Suppl.* 3: 2354
81. de'Sperati C., Tempia F., Cordera S., Marangon S., Harvey R.J., Strata P. (1992) Eye conjugation during optokinetic nystagmus (OKN) evoked by monocular stimulation in intact and occipital cortex lesioned rats. *Pflügers Arch.* 421: R17, 45.
82. de'Sperati C., Tempia F., Marchetti-Gauthier E., Strata P., Gauthier G.M. (1992) Influence of eye motion on vestibulo-ocular reflex (VOR) adaptation in rats. *Pflügers Arch.* 421: R17, 46.
83. de'Sperati C., Tempia F., Tagliabue M., Strata P. (1992) Mechanisms of eye conjugation during optokinetic nystagmus evoked by monocular stimulation. *Eur. J. Neurosci. Suppl.* 5: 84, 2030.
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