

1978: Laurea in Medicina e Chirurgia presso l'Università di Torino

1982: Specializzazione in Neurologia.

1980-2001: Ricercatore Universitario presso l'Istituto di Clinica delle Malattie del Sistema Nervoso, poi Dipartimento di Neuroscienze, dell'Università di Torino

2001-2007: Professore Associato di Neurologia presso il Dipartimento di Neuroscienze dell'Università di Torino

2007 ad oggi: Professore Straordinario di Neurologia presso il Dipartimento di Neuroscienze dell'Università di Torino.

2000 ad oggi: Direttore della Divisione Universitaria di Neurologia Neuroriabilitazione e del Laboratorio di Neurobiologia Clinica dell' IRCCS Istituto Auxologico Italiano – Ospedale S. Giuseppe di Piancavallo (Verbania).

Principali campi di ricerca scientifica dal 1977 ad oggi: Neurologia Clinica, Neuro-oncologia umana e sperimentale, Neurogenetica e Neuropatologia molecolare di malattie neurodegenerative (M. di Parkinson, polineuropatie amiloidotiche, CADASIL), Neurofarmacologia sperimentale, Neuroriabilitazione

#### PRINCIPALI PUBBLICAZIONI DAL 2000 AD OGGI

1. Priano L, Miscio G, Grugni G, Milano E, Baudo S, Sellitti L, Picconi R, Mauro A. On the origin of sensory impairment and altered pain perception in Prader-Willi syndrome: A neurophysiological study. *Eur J Pain*. 2008 in press
2. Menegoni F., Milano E., Trotti C., Galli M., Bigoni M., Baudo S., Mauro A. Quantitative evaluation of functional limitation of upper limb movements in subjects affected by ataxia. *Eur J Neurol* 2008 in press
3. Brussino A, Vaula G, Cagnoli C, Mauro A, Pradotto L, Daniele D, Di Gregorio E, Barberis M, Arduino C, Squadrone S, Abete MC, Migone N, Calabrese O, Brusco A. A novel family with Lamin b1 duplication associated with adult-onset leukoencephalopathy. *J Neurol Neurosurg Psychiatry* 2008, in press
4. Brioschi AM, Calderoni S, Pradotto LG, Guido M, Strada A, Zenga F, Benech CA, Benech F, Serpe L, Zara GP, Musicanti C, Ducati A, Gasco MR, Mauro A. Solid Lipid Nanoparticles carrying oligonucleotides inhibit Vascular Endothelial Growth Factor expression in rat glioma models. *J Nanoneuroscience* 1: 2008 in press
5. Pradotto L, Azan G, Doriguzzi C, Valentini C, Mauro A. Sporadic vascular dementia as clinical presentation of a new missense mutation within exon 7 of NOTCH3 gene. *J Neurol Sci*. 15:207-210, 2008
6. Antonini A, Colosimo C, Marconi R, Morgante L, Barone P; PRIAMO study group. The PRIAMO study: background, methods and recruitment. *Neurol Sci*. 29:61-65 2008
7. Saccomandi F, Priano L, Mauro A, Nerino R, Guiot C. Automatic detection of transient EEG events during sleep can be improved using a multi-channel approach. *Clin Neurophysiol* 119:959-967, 2008
8. Brioschi A, Zara GP, Calderoni S, Gasco MR, Mauro A. Cholesterylbutyrate Solid Lipid Nanoparticles as a butyric acid prodrug. *Molecules* 13:230-254, 2008
9. Ferrarin M., Rabuffetti M., Tettamanti M., Pignatti R., Mauro A., Albani G. Effect of optical flow versus attentional strategy on gait in Parkinson's Disease: a study with a portable optical stimulating device. *J Neuroeng Rehabil* 5:3, 2008
10. Brioschi A, Zenga F, Zara GP, Gasco MR, Ducati A, Mauro A. Solid lipid nanoparticles: could they help to improve the efficacy of pharmacologic treatments for brain tumors? *Neurol Res* 29:324-330, 2007.

11. Priano L., Esposti D., Esposti R., Frascini F., Gasco MR., Castagna G., DeMedici C., Mauro A. Solid lipid nanoparticles incorporating melatonin as new model for sustained oral and transdermal delivery systems. *J Nanosci Nanotechnol* 7:3596-3601, 2007.
12. Giordana MT, D'agostino C, Albani G, Mauro A., Di Fonzo A, Antonini A, Bonifati V. Neuropathology of Parkinson's disease associated with the LRRK2 Ile1371Val mutation. *Mov Disord* 22:275-278, 2007.
13. Priano L, Grugni G, Miscio G, Guastamacchia G, Toffolet L, Sartorio A, Mauro A. Sleep cycling alternatine pattern (CAP) expression is associated with hypersomnia and GH secretory pattern in Prader-Willi syndrome. *Sleep Med* 7:627-633, 2006.
14. \*Serpe L, Guido M, Canaparo R, Muntoni E, Cavalli R, Panzanelli P, Della Pepa C, Bargoni A, Mauro A., Gasco MR, Eandi M, Zara GP. Intracellular accumulation and cytotoxicity of doxorubicin with different pharmaceutical formulations in human cancer cell lines. *J Nanosci Nanotechnol* 6:3062-3069, 2006.
15. Miscio G, Gukov B, Pisano F, Mazzini L, Baudo S, Salvadori A, Mauro A. The cortico-diaphragmatic pathway involvement in amyotrophic lateral sclerosis: Neurophysiological, respiratory and clinical considerations. *J Neurol Sci* 251:10-16, 2006.
16. Albani G, Ravaglia S, Cavagna L, Caporali R, Montecucco C, Mauro A. Clinical and electrophysiological evaluation of peripheral neuropathy in rheumatoid arthritis. *J Peripher Nerv Syst* 11:174-175, 2006.
17. Di Fonzo A, Tassorelli C, De Mari M, Chien HF, Ferreira J, Rohe CF, Riboldazzi G, Antonini A, Albani G, Mauro A, Marconi R, Abbruzzese G, Lopiano L, Fincati E, Guidi M, Marini P, Stocchi F, Onofrj M, Toni V, Tinazzi M, Fabbrini G, Lamberti P, Vanacore N, Meco G, Leitner P, Uitti RJ, Wszolek ZK, Gasser T, Simons EJ, Breedveld GJ, Goldwurm S, Pezzoli G, Sampaio C, Barbosa E, Martignoni E, Oostra BA, Bonifati V. Comprehensive analysis of the LRRK2 gene in sixty families with Parkinson's disease. *Eur J Hum Genet* 14:322-331, 2006
18. Priano L, Gasco MR, Mauro A. Transdermal treatment options for neurological disorders: impact on the elderly. *Drugs Aging* 23:357-375, 2006.
19. Semenza C, Delazer M, Bertella L, Grana A, Mori I, Conti FM, Pignatti R, Bartha L, Domahs F, Benke T, Mauro A. Is math lateralised on the same side as language? Right hemisphere aphasia and mathematical abilities. *Neurosci Lett* 406:285-288, 2006.
20. Onofrj M, Bonanni L, Albani G, Mauro A., Bulla D, Thomas A. Visual hallucinations in Parkinson's disease: Clues to separate origins. *J Neurol Sci* 248:143-150, 2006.
21. Brioschi A., Bertella L., Pignatti R., Mori I., Priano L., Grugni G., Mauro A., Semenza C. Broca's aphasia and arithmetical disorders in 49,XXXXY syndrome. *Brain and Language* 5:58-59, 2005
22. Mancuso M., Ferraris S., Nishigaki Y., Azan G., Mauro A., Sammarco P., Krishna S., Tay SKH, Bonilla E., Romansky S., Hirano M., DiMauro S. Congenital and late-onset myopathy in patients with the T14709C mtDNA mutation. *J Neurol Sci* 228:93-97, 2005
23. D'Alisa S, Baudo S, Mauro A, Miscio G. How does stroke restrict participation in long-term post-stroke survivors? *Acta Neurol Scand* 12:157-162, 2005
24. Miscio G, Guastamacchia G, Brunani A, Priano L, Baudo S, Mauro A. Obesity and peripheral neuropathy risk: a dangerous liaison. *J Peripher Nerv Syst* 10:354-358, 2005
25. Priano L., Albani G., Brioschi A., Calderoni S., Lopiano L., Rizzone M., Cavalli R., Gasco MR., Scaglione F., Frascini F., Bergamasco B., Mauro A. Transdermal apomorphine permeation from microemulsions: a new treatment in Parkinson's disease. *Mov Disord* 19:937-942, 2004
26. Miscio G., Guastamacchia G., Priano L., Baudo S., Mauro A. Are the neurophysiological techniques useful for the diagnosis of diaphragmatic impairment in multiple sclerosis (MS)? *Clin Neurophysiol* 114:147-153, 2003
27. Albani G, Priano L, Campanelli L, Pignatti R, Liuzzi A, Galloti P, Mauro A. Carpal tunnel syndrome and oral contraceptive drugs: risk or protective factor? *J Peripher Nerv Syst* 8:207-208, 2003
28. Di Sapio A., Morra I., Pradotto L., Guido M., Schiffer D., Mauro A. Molecular genetic changes in a series of neuroepithelial tumors of childhood. *J. Neuro-Oncol* 59: 117-122, 2002
29. \*Giordana MT., Duo D., Gasverde S., Trevisan E., Boghi A., Morra I., Pradotto L., Mauro A., Chio A. MDM2 overexpression is associated with short survival in adults with medulloblastoma. *Neuro-Oncology* 4: 115-122, 2002

30. Bortolotto S., Chiado-Piat L., Cavalla P., Bosone I., Mauro A., Schiffer D. CDKN2A/p16 in ependymomas. *J. Neuro-Oncol* 54: 9-13, 2001
31. \*Bortolotto S., Chiadò-Piat L., Cavalla P., Bosone I., Chiò A., Mauro A., Schiffer D. CDKN2A/p16 inactivation in the prognosis of oligodendrogliomas. *Int. J Cancer* 88: 554-557, 2000
32. Solaro C., Schenone A., Di Sapio A., Pradotto L., Mancardi G.L., Primavera A., Mauro A. An Italian family with ala-47 transthyretin mutation associated with cardiomyopathy and polyneuropathy. *Neuromuscular Disorders* 10: 52-55, 2000.
33. Aragno M., Parola S., Brignardello E., Mauro A., Tamagno E., Manti R., Danni O., Boccuzzi G. Dehydroepiandrosterone prevents oxidative injury induced by transient ischemia/reperfusion in the brain of diabetics rats. *Diabetes* 49: 1924-1931, 2000.