

BIOGRAPHICAL SKETCH

Name: Memo Maurizio

Date and place of birth: April 26, 1953, Cagliari, Italy

Position title: Full Professor of Pharmacology

Address: Department of Molecular and Translational Medicine, University of Brescia Medical School, Viale Europa 11, 25123 Brescia, Italy. E-mail: Maurizio.memo@unibs.it

Position and employment

2001-present Full Professor of Pharmacology, University of Brescia, Italy

1995-1996 Visiting Scientist, Cornell University Medical School, White Plains, NY, USA

1988-2000 Associate Professor of Pharmacology, University of Brescia, Italy

1988-1990 Visiting Ass. Prof. Pharmacology, Georgetown University Medical School, Washington D.C., USA

1983-1988 Researcher in Pharmacology, University of Cagliari, Italy

1980-1982 Research Fellow at the National Heart, Lung and Blood Institute, NIH, Bethesda, MD, USA

Education

1980 Residency in Pharmacology, University of Milan, Italy

1977 Graduated in Chemistry and Pharmaceutical Technologies, University of Cagliari, Italy

OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIP

Present – Founder and Board Member of DIADEM, University Spin-Off on neurodegenerative diseases biomarkers

Present - Director of the Residency Course in Medical Pharmacology, University of Brescia

Present - Director of the Drug Research Centre (DIFF), University of Brescia

Present - Director of the Section of Pharmacology, Department of Molecular Medicine, University of Brescia

Present - Chief Molecular Neuropharmacology Laboratory, University of Brescia, Italy

Present Faculty Member, PhD program in Neuroscience

Present Faculty Member, Medicine and Surgery Course

Present Faculty Member, Biotechnology Course

2010-2016 Vice Chancellor, University of Brescia

2009-2012 Director of the Department of Biomedical Sciences and Biotechnologies

2007-present Associated Editor of "BMC Pharmacology"

2005-present Member of the Editorial Board of "CNS Neuroscience & Therapeutics"

1998-2001 Associate Editor of "Functional Neurology"

1995- Founder and Vice-President of the European School of Molecular Medicine

1991- Founder and President of the Italian Group of Molecular Neurobiology

Author of more than 300 full scientific papers all published in recognized international Journals. Organizer of 12 International Symposia. Principal Investigator of several research projects sponsored by national and international Institutions and supervisor of a research group with a total of 12 post-Doc.s, PhD students and technicians. H Index: 43; (Scopus); Citations > 6.000 (Scopus)

Owner of 3 patents: "Useful compound for the treatment of neurodegenerative disease" (2002); "Method for early identification of Alzheimer's Disease" (2005); "P53 antibody" (2014)

Winner of the Roussel Price for Gerontological Research (1987)

Winner of the Sandoz Foundation Price (1994).

Main interest: Since 1980 Prof. Memo's research projects focused on neuropharmacology, in particular on the role of Dopamine systems in schizophrenia and Parkinson's disease, the molecular mechanisms of neurodegeneration, and the genetic and molecular risk factors for Alzheimer's disease. More recently, he has been involved in several basic and clinical studies including neuronal structural plasticity, drug development in oncology and pharmacogenomics.

List of the most cited papers (Scopus)

Grilli, M., Pizzi, M., Memo, M., Spano, P.

Neuroprotection by aspirin and sodium salicylate through blockade of NF- κ B activation
(1996) *Science*, 274 (5291), pp. 1383-1385. Cited 706 times.

Sánchez-Danés, A., Richaud-Patin, Y., Carballo-Carbajal, I., Jiménez-Delgado, S., Caig, C., Mora, S., Di
Guglielmo, C., Ezquerra, M., Patel, B., Giralt, A., Canals, J.M., Memo, M., Alberch, J., López-Barneo, J., Vila,
M., Cuervo, A.M., Tolosa, E., Consiglio, A., Raya, A.

Disease-specific phenotypes in dopamine neurons from human iPS-based models of genetic and sporadic
Parkinson's disease
(2012) *EMBO Molecular Medicine*, 4 (5), pp. 380-395. Cited 241 times.

Copani, A., Uberti, D., Sortino, M.A., Bruno, V., Nicoletti, F., Memo, M.

Activation of cell-cycle-associated proteins in neuronal death: A mandatory or dispensable path?
(2001) *Trends in Neurosciences*, 24 (1), pp. 25-31. Cited 195 times.

Grilli, M., Memo, M.

Nuclear factor- κ B/Rel proteins: A point of convergence of signalling pathways relevant in neuronal function
and dysfunction
(1999) *Biochemical Pharmacology*, 57 (1), pp. 1-7. Cited 142 times.

Grilli, M., Goffi, F., Memo, M., Spano, P.

Interleukin-1 β and glutamate activate the NF- κ B/Rel binding site from the regulatory region of the amyloid
precursor protein gene in primary neuronal cultures
(1996) *Journal of Biological Chemistry*, 271 (25), pp. 15002-15007. Cited 117 times.

Perluigi, M., Sultana, R., Cenini, G., Di Domenico, F., Memo, M., Pierce, W.M., Coccia, R., Butterfield, D.A.
Redox proteomics identification of 4-hydroxynonenal-modified brain proteins in Alzheimer's disease: Role of
lipid peroxidation in Alzheimer's disease pathogenesis

(2009) *Proteomics - Clinical Applications*, 3 (6), pp. 682-693. Cited 107 times.

Grilli, M., Memo, M.

Possible role of NF- κ B and p53 in the glutamate-induced pro-apoptotic neuronal pathway
(1999) *Cell Death and Differentiation*, 6 (1), pp. 22-27. Cited 99 times.

Pizzi, M., Fallacara, C., Arrighi, V., Memo, M., Spano, P.

Attenuation of Excitatory Amino Acid Toxicity by Metabotropic Glutamate Receptor Agonists and Aniracetam
in Primary Cultures of Cerebellar Granule Cells
(1993) *Journal of Neurochemistry*, 61 (2), pp. 683-689. Cited 98 times.

Denis-Donini, S., Dellarole, A., Crociara, P., Francese, M.T., Bortolotto, V., Quadrato, G., Canonico, P.L.,
Orsetti, M., Ghi, P., Memo, M., Bonini, S.A., Ferrari-Toninelli, G., Grilli, M.

Impaired adult neurogenesis associated with short-term memory defects in NF- κ B p50-deficient mice
(2008) *Journal of Neuroscience*, 28 (15), pp. 3911-3919. Cited 96 times.

Valerio, A., Paterlini, M., Boifava, M., Memo, M., Spano, P.

Metabotropic glutamate receptor mRNA expression in rat spinal cord
(1997) *NeuroReport*, 8 (12), pp. 2695-2699. Cited 95 times.

Bovolín, P., Santi, M.-R., Memo, M., Costa, E., Grayson, D.R.

Distinct Developmental Patterns of Expression of Rat α 1, α 5, γ 2S, and 2L GABA-A Receptor Subunit mRNAs
In Vivo and In Vitro
(1992) *Journal of Neurochemistry*, 59 (1), pp. 62-72. Cited 95 times.

Memo, M., Kleinman, J.E., Hanbauer, I.

Coupling of dopamine D1 recognition sites with adenylate cyclase in nuclei accumbens and caudatus of
schizophrenics
(1983) *Science*, 221 (4617), pp. 1304-1307. Cited 94 times.