CURRICULUM VITAE

e

PRINCIPALI PUBBLICAZIONI

del

Prof. Giuseppe SCALABRINO

CURRICULUM VITAE ET STUDIORUM DEL PROF. G. SCALABRINO

- Nato a Milano il 4 Luglio 1944.
- Nel **1968** si laurea con 110/110 e lode in Medicina e Chirurgia presso l'Università degli Studi di Milano, discutendo con il Prof. E. Ciaranfi (allora Direttore dell'Istituto di Patologia Generale) una tesi dal titolo: "Effetto radiosensibilizzante delle aldeidi alifatiche".
- Nel **1974** diventa Professore Associato di Patologia Generale nella Facoltà di Medicina e Chirurgia dell'Università degli Studi di Milano.
- Nel **1975** risulta vincitore di una borsa di studio bandita dalla N.A.T.O. per compiere studi e ricerche all'estero. Durante tutto il **1976** lavora presso l'Istituto di Biochimica dell'Università di Helsinki sotto la guida del prof. J. Jänne.
- Nel **1979** viene invitato come relatore a partecipare ad una tavola rotonda nell'àmbito della Gordon Conference on "Polyamines" tenutasi in Andover, N.H., U.S.A. .
- Nel **1979** viene invitato dal Prof. S. Weinhouse (Editor della collana "Advances in Cancer Research") a scrivere una rassegna bibliografico-critica su "Poliamine e tumori nei mammiferi". Tale rassegna viene pubblicata in due parti nel **1981** e nel **1982**.
- Nel **1981** viene accettato come membro corrispondente della Società Americana di Cancerologia (AACR).
- Nel **1982** viene invitato come relatore nell'àmbito del 41° Bat-Sheva seminario su "Polyamines in Growth and Differentiation Processes" tenutosi a Kiryat Anavim (Gerusalemme).
- Nel **1983** risulta vincitore del Premio Internazionale "Röntgen" bandito dall'Accademia Nazionale dei Lincei per studi e ricerche in campo oncologico. Viene anche invitato come relatore nell'àmbito del 2° corso N.A.T.O. su "Pineal gland and neoplastic growth" tenutosi in Erice.
- Nel **1986** viene chiamato all'unanimità dalla Facoltà di Medicina e Chirurgia dell'Università degli Studi di Milano a ricoprire la V Cattedra di Patologia Generale. Viene anche invitato come relatore nell'àmbito del simposio internazionale su "Polyamines in Life Sciences" tenutosi a Lake Yamanaka (Giappone). Infine, è invitato a svolgere una relazione al simposio internazionale su "Brain Oncology" tenutosi in Rennes.
- Nel **1988** è invitato come relatore al simposio internazionale su "Progress in Polyamine Research" svoltosi in Sorrento. E' anche invitato come relatore nell'àmbito del "EORTC Experimental Study Group on Polyamine Metabolism in Cell Differentiation and Proliferation" tenutosi in Bruxelles.

- Nel **1993** viene invitato come relatore nell'àmbito del simposio internazionale su "Thomas Addison and His Diseases" tenutosi in Londra.
- Nel **1996** è moderatore di una tavola rotonda nell'àmbito del "Tokyo International Symposium on Polyamines" tenutosi al Shonan Village Center (Giappone).
- Dal **1998-2004** è Direttore dell'Istituto di Patologia Generale.
- Dal **2000-2006** è Coordinatore del Dottorato in "Patologia e Neuropatologia Sperimentali" della Facoltà di Medicina e Chirurgia dell'Università degli Studi di Milano.
- Dal **2000** al **2011** è membro del centro di Eccellenza per lo Studio delle Malattie Neurodegenerative (Il Centro di Eccellenza viene chiuso nel 2011).
- Nel **2003** è invitato come relatore nell'ambito del 3° Congresso Internazionale su "Hyperhomocysteinemia" svoltosi in Saarbrücken. E' invitato come relatore nell'ambito del simposio della European Charcot Foundation "B_{12} and MS. What is the connection?"svoltosi all'interno dell'ECTRIMS in Milano.
- Nel **2005** è invitato come relatore nell'ambito del 5° congresso Internazionale su "Homocysteine Metabolism" svoltosi in Milano. E' invitato come relatore nell'ambito del "Gordon Research Conference" su "Vitamin B_{12} and Corphins" svoltosi in Oxford.
- Dal **2006** al **2012** è Direttore della Scuola di Dottorato in "Scienze biomediche cliniche e sperimentali" della Facoltà di Medicina e Chirurgia dell'Università degli Studi di Milano.
- Nel **2007** è invitato come relatore nell'ambito del 4° congresso Internazionale su "The Global College of Neuroprotection and Neuroregeneration" svoltosi in Garmisch, Germania.
- Nel **2008** è stato eletto socio corrispondente dell'Istituto Lombardo di Scienze e Lettere.
- Nel **2011** diventa membro dell'Editorial Board della rivista "Chinese Journal of Clinicians" (edizione elettronica).
- Nel **2012** diventa membro dell'Editorial Board della rivista "Scientifica" (Neurology Section).
  E' invitato come relatore e come moderatore alla conferenza "Advances and Controversies in B-Vitamins and Choline"svoltasi in Leipzig, Germania.
  E' invitato come relatore al "Vitamin B12 Symposium", Nancy, Francia.
- Nel **2013** diventa membro dell'Editorial Board della rivista "World Journal of Meta-Analysis".
  Diventa membro dell'Editorial Board della rivista "Autoimmune Disease & Therapeutic Approaches: Open Access".
  Diventa membro dell'Editorial Board della rivista "Journal of Blood Disorders".
- Nel **2017** è invitato come relatore all'International Conference on Neurology and Brain Disorders (26-28 Giugno, Valencia, Spagna).
  E' Co-President del 13th European Pathology Congress (2-3 Agosto, Milano)
- Nel **2018** è eletto socio effettivo dell'Istituto Lombardo di Scienze e Lettere

- **2015-2021:** Member of the Editorial Board of "Brain Disorders and Therapy", "Austin Spine", "Nutrition and Metabolism", "Neurological Disorders & Epilepsy Journal", "EC Neurology", "Austin Journal of Multiple Sclerosis", "Gastroenterology J.", "Gastroenterology & Hepathology", "Jacobs J. of Biochemistry", "J. Stroke and Epilepsy", "The Neurologist: Clinical & Therapeutics J.", "J. Neurology and Neurosciences", "Int. J. Neurol. Interd.", "SM Neurodegenerative Disorders", "Interdisciplinary J. Neurosci. & Mental Health", "SRL Multiple Sclerosis", "Neuroscience and Research", "J. Neurology and Neuro Toxicology", "Psychiatry and Mental Health Research", "Acta Psychopathologica", "J. Clinical Psychiatry and Neuroscience", "Australasian Medical Journal", "Neurology and Neurotechnology", "J. Neuroscience and Neurosurgery", "Interdisciplinary J. Gastroenterology, Hepathology and Endoscopy", "J. Clinical Molecular Pathology", "J. Neurodegenerative Diseases and Disorders", "J. Translational Neurosciences", "Int. J. Alzheimers & Neurological Disorders", "Annals of Multiple Sclerosis and Related Disorders", "SL Nutrition and Methabolism", "Annals of Neurological Disorders and Stroke", "J. Neuropathology", "Current Research in Neurology and Neurosurgery", "J. Headache Pain Management", "Clinical Research in Neurology", "Current Neurology and Neuroscience", "American J. Virology & Disease", "Neurology: Current Research", "Clinical Neuroscience & Neurological Research International J.", "Current Medicine (section: Neurology)", "Brain Research (Short Reports)", "Trends in Medicinal Chemistry", "J. Brain Research", "Current Developments in Clinical & Medical Pathology", "American J. Psychiatry & Neuroscience", "Annals of Neurology & Neurosurgery", "Developments in Clinical & Medical Pathology", "Open Medicine Journal", "Journal of Neuroscience and Neurological Disorders", "Neurosurgery and Spine", "ARC Journal of Neuroscience", " Journal of Blood Disorders, Symptoms & Treatments", "Brain Sciences" (OA Journal), "Annals of Neuropsychiatry", "The Clinical Neurologist International Journal", "Trends in Medicinal Chemistry", "Archives in Neurology and Neuroscience", "GSL J. Nutrition and Metabolism", "Medcave J. Neurosciences", "Intern. J. Nutritional Research", "Annals Multiple Sclerosis Research", "American J. Gastroenterology and Hepatology", "Neurology and Neuroscience Research Letters", "Current Research in Neurology and Neurosurgery", "Annals Multiple Sclerosis and Related Disorders", "Edelweiss Chemical Science J.", "Acta Neurophysiologica", "Am. J. Biomed. Sci. Res.", "The New Am. J. Medicine", "Annals of Medicine and Medical Res.", "Clinical Neurology", "Annals of Medical Res. & Health Sciences", "J. Neurol. Disor. & Rehabilit.", "Japan J. Res.", "International J. Neurobiol.", "Int. J. Neurosci.", "Biomedicines", "Open Medicine Journal", "J. Neurodegenerative Diseases and Disorders", "J. Neuroscience Research and Alzeheimer' Disease", "Journal of Neurology, Neurological Science and Disorders", "J. Biotechnology and Biology Applications", "Trends in Internal Medicine", "Recent Advances in Clinical Trials", "J. Brain Res. Neurol. Disorders", "J. Translat. Neurosci.".

- **2017-2018** Editor in Chief: "J. Neurology and Neuro-Toxicology", "Research on Brain and Nervous System", "Neurology and Neurotechnology", "Journal of Neurology and Neurocritical Care".

- Nel **2002** è apparsa una review su una rivista Statunitense che recensiva positivamente le ricerche del Prof. Scalabrino sulla vitamina B_{12}, sottolineandone l'aspetto innovativo. (Miller J.W. Vitamin B_{12} deficiency, tumor necrosis factor-α, and epidermal growth factor: A novel function for vitamin B_{12}? *Nutr. Rev.* 60, 142-144, 2002).

- Da numerosi anni è revisore per numerose riviste scientifiche internazionali nel campo della neurobiologia, oncologia, e biologia molecolare.

Le sue ricerche sono state citate e discusse nei seguenti trattati:

- cap. 17 (p. 183-197) "Homocysteine and the Nervous System" di Drs. A.M. Molloy e D.G. Weir, in "Homocysteine in Health and Disease" (R. Carmel e D.W. Jacobsen, Eds., Cambridge University Press, Cambridge, 2001).
- cap. 10 (vol. I, p. 630) "Nutritional and Metabolic Disorders" di Drs. C. Harper e R. Butterworth, in "Greenfield's Neuropathology" (7th ed., D.I. Graham e P.L. Lantos, Eds., Arnold, London, 2002).
- cap. 13 (p. 442-443) "Vitamin B_{12}" di Drs. R. Green e J.W. Miller, in "Handbook of Vitamins" (4th ed., J. Zempleni, R.B. Rucker, D.B. McCormick, e J.W. Suttie, Eds., CRC Press, Boca Raton, 2007).
- cap. 18 (p. 145-155) "Nutritional and Metabolic Disorders" di Dr. C. Turtzo and D. Irani, e cap. 33 (p. 297-303) "Clinically Relevant Lessons Learned from Animal Models" di Dr. D. Irani, in "Cerebrospinal Fluid in Clinical Practice" (Sounders-Elseviers, Philadelphia, 2009).
- cap. 26 (p. 1083) "Vitamins and minerals" di Dr. S.G. Chaney, in "Devlin's Textbook of Biochemistry" (7th ed., John Wiley & Sons, Inc., Hoboken, 2010).
- cap. 7.4 (p. 243-245) "Signs and symptoms of vitamin B12 (cobalamin) deficiency: a critical review of the literature" di Dr. E. Andrès, in "Vitamins in the prevention of human diseases" (W. Herrmann and R. Obeid, Eds., De Gruyter, Berlin, 2011).
- (p. 103-124) "Vitamin Deficiencies and Brain Function" di C. Bémeur, J.A. Montgomery e R.F. Butterworth, in "Advances in Neurobiology 1-Neurochemical Mechanisms in Disease" J.P. Blass, Ed., Springer, New York, 2011).
- cap. 38 (p. 679) "Peripheral Neuropathy: Neurochemical and Molecular Mechanisms" di Drs. B. Soliven and B. Popko, in "Basic Neurochemistry" (8th ed., S.T. Brady, R.W. Albers, D.L. Price, Eds., Elsevier – Academic Press, Oxford-Waltham, 2012).
- cap. 20 (p. 268-282) "Anemias caused by defect of DNA metabolism" di Dr. L.H. Goossen, in "Hematology" (4th ed., B.F. Rodak, G.A. Fritsma, e E.M. Keohane, Eds., Elsevier – Saunders, St. Louis, 2012).
- cap. 10 (p. 189-214) "Homocysteine, B Vitamins, and Cognitive Function" di Dr. J.M. Miller, in "Diet, Brain, Behaviour" (R.B. Kanarek e H.R. Lieberman, Eds., CRC Press, Boca Raton, 2012).
- cap. 30 (vol. 114, p. 381-404) "Nutritional disorders in tropical neurology" di Dr. G.C. Román, in "Handbook of Clinical Neurology" (3rd serie - Neuroparasitology and Tropical Neurology) (H.H. Garcia, H.B. Tanowitz, e O.H. Del Brutto, Eds., Elsevier, 2013).
- cap. 9 (p. 59-65) "Macrocytic Anemias. Megaloblastic and Nonmegaloblastic Anemias" di P. W. Marks, in "Anemia. Pathophysiology, Diagnosis, and Management" (E. J. Benz Jr., N. Berliner, e F. J. Schiffman Eds., Cambridge University Press, Cambridge, 2018).
- cap. 5 (p. 165-178) "Vitaminmangel-Erkrankungen" di A. Biesalski e D. Sturm, in "Neurologische Pathophysiologie" (D. Sturm, A.-S. Biesalski e O. Höffchen, Eds., Springer Verlag, Berlin, 2019).

- cap. 18 (p.282-298) "Anemias Caused by Defects of DNA Metabolism" di L. H. Goossen, in "Rodak's Hematology" (6th ed., E. M. Keohane, C. N. Otto e J. M. Walenga, Eds., Elsevier, St. Louis, 2020).

PRINCIPALI PUBBLICAZIONI PROF. G. SCALABRINO

1. E. Ciaranfi, A. Perin, A. Sessa, A. Arnaboldi, G. SCALABRINO, A. Castellani. Studies on the anti-tumour activity of aliphatic aldehydes - IV. Radiosensitizing properties of L-*erythro*-α,β-dihydroxybutyraldehyde on E. Coli B and Ehrlich ascites tumour cells. *Europ. J. Cancer*, **7**, 17-24, 1971.
2. A. Perin, A. Sessa, G. SCALABRINO, A. Arnaboldi, E. Ciaranfi. Studies on the anti-tumour activity of aliphatic aldehydes. V. Preferential inhibition of protein synthesis in normal or neoplastic tissues in relation to molecular structure. *Europ. J. Cancer*, **8**, 111-119, 1972.
3. A. Perin, G. SCALABRINO, A. Sessa, A. Arnaboldi. In vitro inhibition of protein synthesis in rat liver as a consequence of ethanol metabolism. *Biochim. Biophys. Acta*, **366**, 101-108, 1974.
4. G. SCALABRINO, M.E. Ferioli. In vivo hormonal induction of ornithine decarboxylase in rat kidney. *Endocrinology*, **99**, 1085-1090, 1976.
5. H. Pösö, A. Kallio, G. SCALABRINO, J. Jänne. Specific inhibition of the synthesis of putrescine and spermidine by 1,3-diaminopropane in rat liver in vivo. *Biochim. Biophys. Acta*, **497**, 288-297, 1977.
6. A. Kallio, H. Pösö, G. SCALABRINO, J. Jänne. Regulation of ornithine decarboxylase by diamines in regenerating rat liver. *FEBS Lett.*, **73**, 229-234, 1977.
7. A. Sessa, G. SCALABRINO, A. Arnaboldi, A. Perin. Effects of aliphatic aldehyde metabolism on protein synthesis and thiol compounds in rat liver and hepatoma induced by 4-dimethylaminoazobenzene. *Cancer Res.*, **37**, 2170-2176, 1977.
8. G. SCALABRINO, H. Pösö, E. Hölttä, P. Hannonen, A. Kallio, J. Jänne. Synthesis and accumulation of polyamines in rat liver during chemical carcinogenesis. *Int. J. Cancer*, **21**, 239-245, 1978.
9. G. SCALABRINO, M.E. Ferioli, M. Basagni, R. Nebuloni, F. Fraschini. Endocrine regulation of thymic biosynthetic polyamine decarboxylases in adult rat. *Am. J. Physiol.*, **237**, E6-E10, 1979.
10. G. SCALABRINO, M.E. Ferioli, R. Nebuloni, F. Fraschini. Effects of pinealectomy on the circadian rhythms of the activities of polyamine biosynthetic decarboxylases and tyrosine aminotransferase in different organs of the rat. *Endocrinology*, **104**, 337-384, 1979.
11. G. SCALABRINO, P. Pigatto, M.E. Ferioli, D. Modena, M. Puerari, A. Carù. Levels of activity of the polyamine biosynthetic decarboxylases as indicators of degree of malignancy of human cutaneous epitheliomas. *J. Invest. Dermatol.*, **74**, 122-124, 1980.
12. F. Fraschini, M.E. Ferioli, R. Nebuloni, G. SCALABRINO. Pineal gland and polyamines. *J. Neural Transm.*, **48**, 209-221, 1980.
13. M.E. Ferioli, L. Schiaffonati, G. SCALABRINO, G. Cairo, A. Bernelli-Zazzera. Relationships between polyamine metabolism and RNA synthesis in post-ischemic

liver cell repair. *J. Cell. Physiol.*, **103**, 121-128, 1980.

14. G. SCALABRINO, M.E. Ferioli, M. Puerari, D. Modena, F. Fraschini, G. Majorino. Changes in the circadian rhythm of ornithine decarboxylase in rat liver during chemical hepatocarcinogenesis. *J. Natl. Cancer Inst.*, **66**, 697-702, 1981.
15. G. SCALABRINO, M.E. Ferioli, D. Modena, M. Puerari. Levels of activity of polyamine biosynthetic decarboxylases as indicators of the degree of malignancy of human neoplastic tissues. *Adv. Polyamine Res.*, **3**, 451-462, 1981.
16. G. SCALABRINO, M.E. Ferioli. Polyamines in mammalian tumours. Part I. *Adv. Cancer Res.*, **35**, 151-268, 1981.
17. G. SCALABRINO, M.E. Ferioli. Polyamines in mammalian tumours. Part II. *Adv. Cancer Res.*, **36**, 1-102, 1982.
18. G. SCALABRINO, D. Modena, M.E. Ferioli, M. Puerari, G. Luccarelli. Degrees of malignancy in human primary central nervous system tumours: ornithine decarboxylase levels as better indicators than adenosylmethionine decarboxylase levels. *J. Natl. Cancer Inst.*, **68**, 751-754, 1982.
19. G. SCALABRINO, M.E. Ferioli, D. Modena, F. Fraschini. Enhancement of ornithine decarboxylase activity in rat adenohypophysis after pinealectomy. *Endocrinology*, **111**, 2132-2134, 1982.
20. G. SCALABRINO, M.E. Ferioli, D. Modena. Decreased activity of ornithine decarboxylases antizyme during hyperplastic and neoplastic growth of rat liver. *Adv. Polyamine Res.*, **4**, 79-96, 1983.
21. M.E. Ferioli, G. SCALABRINO, F. Fraschini. Influence of the pineal gland on tumour growth in mammalians: A reappraisal from a biochemical point of view. In: *The Pineal Gland and Its Endocrine Role*, (eds.: J. Axelrod, F. Fraschini, G.P. Velo), Plenum Publ. Corp., New York, pp. 467-476, 1983.
22. D. Modena, M.E. Ferioli, G. SCALABRINO. Permanent decrease in activity of ornithine decarboxylase antizyme in rat liver during chemical hepatocarcinogenesis. *Carcinogenesis*, **4**, 1659-1662, 1983.
23. G. SCALABRINO, M.E. Ferioli, D. Modena. Restoration of normal ornithine decarboxylase antizyme activity in rat liver after acute carcinogen treatment. *Carcinogenesis*, **4**, 1663-1664, 1983.
24. G. SCALABRINO, M.E. Ferioli. Polyamines in mammalian ageing: An oncological problem, too? A review. *Mech. Ageing Develop.*, **26**, 149-164, 1984.
25. G. SCALABRINO, M.E. Ferioli, G. Luccarelli. Polyamine biosynthesis in primary tumours of human central nervous system: review of current knowledge. *Progr. Neurobiol.*, **25**, 289-295, 1985.
26. G SCALABRINO, M.E. Ferioli. Degree of enhancement of polyamine biosynthetic decarboxylase activities in human tumors: a useful new index of degree of malignancy. *Cancer Detect Prev.* **8**, 11-16, 1985.
27. M.E. Ferioli, G. SCALABRINO. Selective inhibition of ornithine decarboxylase activity

in vivo by hepatic chalone in regenerating rat liver. In: *Recent Progress in Polyamine Resarch*, (eds.: L. Selmeci, M.E. Brosnan, N. Seiler), pp. 271-284, Académiai Kiadò, Budapest, 1985.

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32. G. SCALABRINO. Difluoromethylornithine, an effective new treatment of Gambian Trypanosomiasis. *Am. J. Med.*, **83**, 1012, 1987 (Letter to the Editor).
33. G. SCALABRINO, M.E. Ferioli, R. Candiani. Regulation of S-adenosyl-L-methionine decarboxylase in normal and regenerating rat liver by adenosine-containing molecules. In: *Chemical Carcinogenesis: Models and Mechanisms*, (eds.: F. Feo, P. Pani, A. Columbano, R. Garcea), Plenum Press, p. 459-465, 1988.
34. G. SCALABRINO, M.E. Ferioli, E. Lorenzini, R. Candiani. Abnormalities of polyamine biosynthesis in spinal cord of totally gastrectomized rats. In: *Progress in Polyamine Research*, (eds.: V. Zappia and A.E. Pegg), Plenum Press, pp. 365-378, 1988.
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