



Aldo Tagliabue

Director General Foundation for Biomedical Research of Lombardy Region, Milan, Italy

BIOGRAPHY

Aldo Tagliabue obtained his doctoral degree in Biology in 1974 from the University of Milan discussing a thesis on synthetic adjuvants and he worked until 1976 at the Mario Negri Institute for Pharmacological Research in Milan, Italy. He did postdoctoral work at the National Cancer Institute in Bethesda, Maryland from 1976 to 1979. In 1981 he was at McMaster University in Hamilton, Ontario in the Department Pathology to perform pioneering studies in mucosal immunology. In 1982 he moved to Siena, Italy to build the new Immunology Department at the Sclavo Research Center in Siena. In 1990 he became Director of Research for the biotech company Dompe' in L'Aquila, Italy taking responsibility for planning and building research facilities. He remained R&D Director until 1998. In the same year he created the services provider company ALTA srl that since then has been particularly active and successful in fund raising and knowledge brokerage in the field of health sciences obtaining several grants from the European Commission. From May 2002 to April 2005, he has been Deputy Director at International Vaccine Institute in Seoul, South Korea. In 2006 he was involved in the creation and start-up of the Novartis Vaccine Institute for Global Health in Siena, Italy. In 2008-9 he served as a member of the Programme/Policy Committee of the GAVI Alliance Board. In 2011 he created with Rino Rappuoli the Sclavo Vaccine Foundation whose mission is to sustain and promote vaccine for poverty related diseases. Since 2014 he is Director General of the Regional Foundation for Biomedical Research, a funding agency in health science field of the Lombard Region in Italy. At the academic level he has been Adjunct Professor of Immunology at the Biotechnology Faculty of the University of Bologna in Italy from 1996 to 2006 and Adjunct Professor at the School of Biological Sciences at Seoul National University in South Korea in 2003-5. During his career he published more than 120 papers in international journals and he has been inventors in 10 patents.

SELECTED PUBLICATIONS

1. A. VECCHI, A. MANTOVANI, A. TAGLIABUE and F.SPREADICO: A characterization of the immunosuppressive activity of Adriamycin and Daunomycin on humoral antibody production and tumor allograft rejection *Cancer Res.* 36: 1222-1227, 1976
2. A. TAGLIABUE, A. MANTOVANI, N. POLENTARUTTI, A. VECCHI and F. SPREADICO: Effect of immunomodulators on effector cells involved in antibody dependent cellular cytotoxicity *J. Natl. Cancer Inst.* 59: 1019-1022, 1977
3. A. TAGLIABUE, J. L. McCOY and R. B. HERBERMAN: Refractoriness to migration inhibitory factor of macrophages of LPS nonresponder mouse strains *J. Immunol.* 121:1223-1226, 1978
4. A. TAGLIABUE, A.D. BEFUS, D.A. CLARK and J. BIENENSTOCK: Characteristics of natural killer cells in the murine intestinal epithelium and lamina propria *J. Exp. Med.* 155: 1785-1796, 1982
5. A. TAGLIABUE, L. NENCIONI, L. VILLA, D.F. KEREN, G. H. LOWELL and D. BORASCHI: Antibody-dependent cell-mediated antibacterial activity of intestinal lymphocytes with secretory IgA *Nature* 306:184-186, 1983
6. A. TAGLIABUE, L. VILLA, M.T. DE MAGISTRIS, M. ROMANO, S. SILVESTRI, D. BORASCHI and L. NENCIONI: IgA-driven T cell-mediated antibacterial immunity in man after live oral Ty21a vaccine *J. Immunol.* 137: 1504-1510, 1986
7. R. D'AMELIO, A. TAGLIABUE, L. NENCIONI, A. DI ADDARIO, L. VILLA, M. MANGANARO, D. BORASCHI, S. LE MOLI, R. NISINI and P.M. MATRICARDI: Comparative analysis of immunological response to oral Ty21a or parenteral TAB typhoid vaccines *Infect. Immun.* 56: 2731-2735, 1988
9. A. PODDA, L. NENCIONI, M.T. DE MAGISTRIS, A. DI TOMMASO, P. BOSSU', S. NUTI, P. PILERI, S. PEPPOLONI, M. BUGNOLI, P. RUGGIERO, I. MARSILI, A. D'ERRICO, A. TAGLIABUE and R. RAPPUOLI: Pertussis toxin 9K/129G mutant vaccine *J. Exp. Med.* 172: 861-868, 1990
11. M.T. DE MAGISTRIS, A. DI TOMMASO, M. DOMENIGHINI, S. CENSINI, J. R. OKSENBERG, L. STEINMAN, A.K. JUDD, D. O'SULLIVAN, A. TAGLIABUE and R. RAPPUOLI: Interaction of peptide 30-42 of pertussis toxin with DR1 and the T-cell receptors of twelve human T-cell clones. *Proc. Natl. Acad. Sci. USA* 89: 2990-2994, 1992
12. B. BOTTAZZI, V. VOURET-CRAVIARI, A. BASTONE, L. DE GIOIA, C. MATTEUCCI, G. PERI, F. SPREADICO, M. PAUSA, C. D'ETTORRE, E. GIANNAZZA, A. TAGLIABUE, M. SALMONA, F. TEDESCO, M. INTRONA and A. MANTOVANI: Multimer formation and ligand recognition by the long pentraxin PTX3: similarities and differences with the short pentraxins C reactive protein and serum amyloid P component. *J. Biol. Chem.* 272: 32817-32823, 1997
13. A. TAGLIABUE, and R. RAPPUOLI: Vaccines adjuvants: The dream comes real *Human Vaccines* 4/5: 347-349, 2008
14. D. BORASCHI, and A.TAGLIABUE: The Interleukin-1 receptor family. *Sem. Immunol.* 25: 394-407, 2013

CURRICULUM VITAE

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DATE AND PLACE OF BIRTH
CITIZENSHIP Italian
MARITAL STATUS Married, one son and one daughter

EDUCATION

1969 Chemist, Milan, Italy
1974 Doctoral Degree in Biology, University of Milan, Milan, Italy
1976 Ph.D., Ist. di Ricerche Farmacologiche "Mario Negri", Milan, Italy

BRIEF CHRONOLOGY OF EMPLOYMENT

1971-1974 Student, Lab. Cancer Immunology & Chemotherapy, Ist. "Mario Negri", Milan, Italy
1974-1976 Researcher, Lab. Cancer Immunology & Chemotherapy, Ist. "Mario Negri", Milan, Italy
1976-1979 Visiting Fellow, Laboratory of Tumor Immunodiagnosis, NCI, NIH, Bethesda, MD, U.S.A.
1979-1981 Senior Scientist, Lab. Cancer Immunology & Chemotherapy, Ist. "M. Negri", Milan, Italy
1981 Visiting Scientist, Lab. of Immunology, McMaster University, Hamilton, Ontario, Canada
1981-1989 Chief, Laboratory of Immunopharmacology, Sclavo Research Center, Siena, Italy
1990 Director, R & D Diagnostics, Diagnostics Div. , Sclavo, Siena, Italy
1990-1991 Director, Biotechnology Department, R & D, Dompé Pharmaceuticals, Milan, Italy
1991-1997 Director, Research Center, Dompé spa, L'Aquila, Italy
1998-2014 President and Founder, ALTA S.r.l., Siena, Italy
2002-2005 Deputy Director, International Vaccine Institute, Seoul, South Korea
Since 2014 Director General, Foundation for Biomedical Research of Lombardy Region, Milan, Italy

ADVISORY ACTIVITIES

2005-2007 Adv. Board Member FRAUNOFER USA Inc. Center for Mol. Biotech. , Newark, DE, USA
2006-2014 Special Advisor for the Global Head of Research, Novartis Vaccines, Siena, Italy
2007-2008 Consultant, Novartis Vaccine Institute for Global Health, Siena, Italy
2009-2010 Member Program and Policy Committee, GAVI Alliance, Geneva, Switzerland

2009-2014 Advisory Board Member Sclavo Association, Siena, Italy

Since 2011 Advisory Board Member VisMederi Enterprice Services in Life Sciences S.r.l., Siena, Italy

Since 2011 Co-Founder Fondazione Achille Sclavo, Siena, Italy

TEACHING EXPERIENCE

1983-1985 Professor of Microbiology, Tech. School Med. and Bio Inst, University of Siena, Siena, Italy

1985-1989 Professor of Immunology, School in Microbiology, University of Perugia, Perugia, Italy

1996-2002 Professor of Immunology, Degree in Biotechnology, University of Bologna, Bologna, Italy

2003-2005 Adjunct Professor, School of Biol Science, Seoul National University, Seoul, South Korea

2005-2007 Professor of Immunology, Degree in Biotechnology, University of Bologna, Bologna, Italy

AWARDS

1990 2nd National Award FEDERCHIMICA, Milan, Italy

1997 9th National Award FEDERCHIMICA, Milan, Italy

2012 S. Caterina Golden Prize, Siena, Italy

INTERNATIONAL GRANT PROJECTS COORDINATION

2000-2004 Mucosal immunization and Vaccine Development MUCIMM

Cluster Project Cooperation Health Program EU QLK2 CT 1999 00228

2002 Novel Strategies of Mucosal Immunisation

EU Grant

INNAMORA Workshop, Siena, November 6-10, 2002

2005-2011 European Initiative for basic research In Microbiology and Infectious Diseases

EIMID Human Resources and Mobility (HRM) Activity Marie Curie Actions

Host fellowships for Early Stage Research Training (EST)

EU MEST-CT-2005 – 020311

2012-2014 Biomarkers for enhanced Vaccines Safety BIOVACSAFE

EU IMI JU – University of Surrey-Novartis