

Beatrice Macchi PhD

Positions 1980- 1982: Fogarty Fellowship for investigations regarding the immunology of human brain tumours at "Surgical Neurology Branch" NINCDS, NIH, Bethesda, USA. 1982-1983: AIRC Fellowship, 1983-1984: "Visiting Associate", at the of laboratory "Tumor Cell Biology", NCI, NIH, Bethesda, MD. 1993: March-September " Visiting Scientist" at " Retrovirus Research center" Department of Veteran Affairs, Veteran Hospital, Baltimore MD USA. 1984- University position as assistant professor in medicinal chemistry at the Department of Chemical Science and technologies.

Coordinator of research groups and participation to National research program:

National research program on AIDS. 1997-2001: Coordinator of a research unit : "Apoptotic cell death in the response to antiretroviral therapy and in the reconstitution of immune system in HIV patients. within the I,II,III,IV program. 2006, 2009. Coordinator of a research unit "Development and validation of a new assay for HIV reverse transcriptase inhibition by nucleoside and non nucleoside RT inhibitors " within the V and VI program .

Scientific Research Program of Relevant National interest (PRIN) granted by MIUR. 2005 Responsible of a research unit with title " Stereoselective synthesis and biological evaluation of compounds focused on antiviral activity. Scientific National Coordinator: Prof. Giovanni Romeo.

2009: Responsible of a research unit with title "Biological and antiviral activity of new heterocyclic compounds Scientific National Coordinator: Prof Alberto Brandi

2012: Responsible of a research unit with title "Design and stereoselective synthesis of compounds active towards protein targets involved in viral and tumor pathologies Scientific National Coordinator: Prof Alberto Brandi.

University of Tor Vergata Projects 1996-2008 Responsible of a research unit within the projects supported by University of Rome "Tor Vergata".

Patents: Co-inventor in the following patents : 1996 Continuous cell line CD4+/HTLV-1. Publication info: IT1275150 (B)2006. Nucleoside analogues with antiviral activity Publication info: EP1727814 B1 12/06/20062016 use of di deivatives 2-oxo-2h-pirrol-1(5h)-carbassamidici as anti-HIV agents and process for its production. Request n. 102016000022765 (UA2016A001346) **1995-** Beatrice Macchi belongs to a HERN (HTLV-I European research network) supported as concerted action by the European Community within the Vth European framework program.

Bibliometric indicators Total citations (1984-2017): 1190 h-index : 21 total total I.F 405.44

Publications ISI: 97; first or last author in 48. Book Chapter 8 : 6 International 2 Italians, 20 proceedings from congress published on international journals, and 63 communications at international and national congresses.

Participation to Editorial boards: The Open Antimicrobial Agents journal; J. Pharmacology and toxicology

Research projects: Principal research fields: New approaches based on the study of in vitro activity of antiretroviral and immunomodulant drugs towards infectious diseases. HTLV-1 and HIV infection. Evaluation of the activity of new molecules on HTLV-1 and HIV reverse transcriptase through a cell-free assay based on RT-PCR. Study of the biological effect of new molecules on tumor cell growth and metabolism.