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- International Reference Center "Chantal Biya" (CIRCB), Yaoundé, Cameroon (E-mail : vittorio.colizzi@circb.cm; tel +237-655923293
- Molecular Biology & Immunology Lab., Makeni Biomed & Biotech Platform, Sierra Leone (Tel +232-76595077 – 079324743).
- Editor in Chief Journal of Public Health in Africa, Pavia-Yaoundé, vittorio.colizzi@publichealthinafrica.org
- MirNat srl, Piazza Farnese 44, 00186 Rome, vittorio.colizzi@mir-nat.com

Academic Degrees

- 1973 Medical Degree with honor, University of Rome "La Sapienza"
- 1976 Specialist Degree in Infectious Diseases, University of Rome "La Sapienza"
- 1978 Specialist Degree in Public Health & Hygiene, University of Pisa
- 1987 Degree of Doctor of Philosophy in Immunology, Brunel University, Uxbridge, England

Employments

- 1974-75 Research Fellow at the Division of Immunology, Institute for Cancer Research "Regina Elena" Rome.
- 1976-81 Assistant Professor, Institute of Microbiology, Faculty of Medicine, Pisa University.

- 1982-86, Associate Professor of Immunology, Head of the Laboratory of Immunology, Institute of Microbiology, Faculty of Medicine, Pisa University.
- 1987-1999, Associate Professor of Immunology, Head of the Laboratory of Immunochemistry & Molecular Pathology, Department of Biology, Faculty of Sciences, University of Rome "Tor Vergata".
- 1998-now, holder of the UNESCO Chair in Interdisciplinary Biotechnology, University of Rome "Tor Vergata".
- 2000-now, Full Professor of Immunology, Head of the Laboratory of Immunology & Molecular Pathology, Department of Biology, Faculty of Medical Sciences, University of Rome "Tor Vergata".
- 2005-2012, Head of the Italian-Cameroon AID Programme & Scientific Director at the International Research Centre "Chantal Biya", Yaoundé, Cameroon, Central Africa.
- 2015-2016, Head of the Ebola Diagnostic & Research Laboratory, Holy Spirit Hospital, Makeni, Bombali District, Sierra Leone.

Main Grants obtained as Principal Investigator

- 1982-85 Joint Project C.N.R.-M.R.C. (Consiglio Nazionale delle Ricerche, Italy - Medical Research Council, U.K.) Microbial interaction with suppressor cell circuits".
- 1985-88 World Health Organization (WHO) "Vaccine development" Immunology of Tuberculosis (IMM/TUB) Programme.
- 1988-91 Joint Project CNR-MRC (Consiglio Nazionale delle Ricerche - Medical Research Council) "HIV interaction with the autoreactive T cell response"
- 1988-94 Target Oriented Project on Biotechnology and Bioinstrument (C.N.R.) "T cell epitopes in the immune response to Tuberculosis".
- 1989-96 AIDS Project, Italian Minister of Health "Structural and functional analysis of HIV gp120 and T-T cell interaction in AIDS immunopathogenesis".
- 1990-95 Target Oriented Project on Factors of Diseases (C.N.R.) "*M. tuberculosis* and HIV coinfection"
- 1992-95 EU Programme on Biomedicine & Health Research, AIDS section (BIOMED)
- 1993-95 "Galileo Project", French-Italian Cooperation
- 1996-98 Tuberculosis Project, Italian Minister of Health "*M. tuberculosis* gene expression and protective role of CD4 T cells".
- 1997-99 EU-Copernicus Project "New methods for detection of CD4 T cell depletion by apoptosis in AIDS and implication for therapeutic strategies"
- 1996-98 AIDS Project, Italian Minister of Health "Role of g/d T cells in HIV infection".
- 1998-2000 EU-FSE ADAPT Project "Development of the biotechnological Science Park".
- 2000-now, ISS Project on Neonatal Vaccine Development (1 million euro) .
- 2003-2006 UNESCO Programme "Families First Africa" (1 million euro).
- 2006-2012 ISS-MAE Action Plan for Cameroon (2 million euro).
- 2014-2016: Ebola Support Plan: funds from Italian Episcopal Conference (200.000 Euro), from Nando Peretti Foundation (50.000 Euro) and Waldesian Church (80.000 euro).
- 2016-2019: European Union Grant (3,5 million euros): STARBIOS 2, Structural Transformation to Attain Responsible BioSciences, Coordinator.

Products and Patents

- Biostat: a mathematical programme for application in Immunology (software and guidance).
- Procedure for vaccine preparation based on identification of aminoacid sequences in HIV antigens showing similarity with protein sequences of human organism_ Patent N. RM 92 A 000157, deposited 6/3/92.
- Diagnostical method for detection of tuberculosis infection_ Patent international classification : A61B; N. RM 92 A 000336, deposited 5/5 1992.

- Diagnostical method based on Peptide-Elisa for detection of *H.pylori* infection. Patent N. RM 96 A 000805, 1996.
- Method for identification of antigenic peptides and relative usage for the formulation of a specific HIV-1 vaccine procedure for vaccine preparation based on identification of amino acid sequences in HIV antigens showing similarity with protein sequences of human organism. Patent N. RM 2004 A000066, deposited 9/2/2004.
- Amicosante M., Colizzi V., Mariani F., Saltini C. Uso di sequenze amminoacidiche da *Mycobacterium tuberculosis* o dei loro corrispondenti acidi nucleici per la diagnosi e la prevenzione di infezione tubercolare, relativo kit diagnostico e vaccino. Italian Patent, 23/07/2010, RM2010A000411.
- Colizzi V., Cirilli M., Del Gallo F., Galgani A., Kenzo M., Minutolo A. Montesano C., Muleo R., Pirrò S., Podesta M. Nutraceutical plant derived MicroRNA elements for treatment of cancer. European Patent Office n. MNT BE0116, 9/11/2016.

Administration & Scientific Committees

- Scientific Societies: Gruppo di Cooperazione in Immunologia, Italian Society for Microbiology, Italian Society for Immunofarmacology, British Society for Immunology, European Association for Microbial Immunology & Biotechnology.
- Administration: C.N.R. & UNESCO Committee for AIDS, Administration Council of University of Tor Vergata, Coordinator of Tor Vergata Biotechnology Science Park, University & Research Worker Union C.G.I.L.
- President (Chairman of the Board) of the following institutions: Azienda per il Diritto allo Studio dell'Università di Roma "Tor Vergata" (A.DI.S.U.), and Consorzio Iniziative per la Promozione dell'Occupazione nella Tecnologia, la Scienza e l'Innovazione (I.P.O.TE.S.I.).
- Director of the UNESCO International Centre for AIDS and other Emerging Infections, Hospital "L. Spallanzani, Rome (1998-2002).
- President of the Advisory Board of the National Institute of Infectious "L. Spallanzani", Rome (2007-2010)
- President of the Strategic Committee of the Academic Spin-off TDA (Italian srl) (Technology Development for Africa) and MirNat (medical plants srl)
- President of the Academic spin-off AfroInnova (Cameroonian AS, based in Yaoundé).
- President of the Italian-Somali Joint Scientific Committee.

Specific activity in Africa

- United Nations (HO, UNESCO, UNDP, UNICEF) consultant in Burkina Faso, Cameroon, Cote d'Ivoire, Guinée, Kenya, Niger.
- European Union Network on Tuberculosis: Lusaka, Zambia, 1999 (participant to Network and discussion to a specific meeting held in Lusaka)
- HIV Unesco Vaccine Project, Ivory Coast, 2000-2001 (responsible of the project)
- Italy-OMS project on HIV in Ivory Coast: collaborating at the set up of the project with the local office OMS and with the UTL of Burkina Faso.
- Italy-Morocco cooperation between the University of Rome Tor Vergata and the National Institute of Hygiene of Rabat, Morocco (Project Director).
- UNESCO programme "Families First Africa, 2003-2006 (scientific coordinator).
- European Union Action Plan for the HIV nosocomial infection in Benghazi, Libya, 2005 (Project Director)
- International Research Centre "Chantal Biya", Yaoundé, Cameroon, 2005-2006 (founder and head of the ISS Cooperation Programme Italy-Cameroon), then Scientific Director (2009-2011), actually Member of the International Scientific Committee.
- Douala Start up Incubator, Douala (Cameroon), founder and general director.

- Holy Spirit Hospital, Founder & Head of the Laboratory of Molecular Biology and Immunology, Makeni, Sierra Leone.
- University of Maken, Sierra Leone: visiting professor in Immunology & Pathology 2016-2017.

Recent Teaching Activity

- General Pathology in the Course of Pharmacy (English);
- Oncology in the Degree Course of Cellular and Molecular Biology and Biology and Human Evolution (Master II, Italian);
- Immunology & Pathology in the Public Health School at the Makeni University, Sierra Leone.

Scientific Research Field

Cellular and molecular mechanisms involved in the microbial-host interactions. In particular, it have been characterised the natural and acquired immune responses, including immunopathology and autoimmunity, developed by the host immune system in the course of viral (HIV, HBV, HCV) and bacterial (Tuberculosis) human and experimental infections.

- Subjects of the scientific activities are related to Infectious Diseases and Immunology, with special interest in AIDS and Tuberculosis.

- More than 245 scientific publications on international peer review journal (Nature, Journal of Immunology, Infection and Immunity, Journal of Infectious Diseases, Immunology, Clinical Experimental Immunology, AIDS, AIDS and Human Retrovirus Journal, etc.)

- More than 10 chapters on books and review articles in italian, english, french and russian.

IF total: 1056 (251 publications)

Citations: 5710

H-Index : 42

Technology Transfer

The activity is carried out in the context of two international organizations, namely: the UNESCO Chair in Interdisciplinary Biotechnology and the Biotechnology European Group of Tor Vergata Science Park. The most important activities has been the set up and the coordination of the following institutions:

- International Research Centre “Chantal Biya”, Yaoundé, Cameroon, 2005-2006 (founder and head of the ISS Cooperation Programme Italy-Cameroon), then Scientific Director (2009-2011).
- Douala Start up Incubator, Douala (Cameroon), founder and general director.
- Holy Spirit Hospital, Founder & Head of the Laboratory of Molecular Biology and Immunology, Makeni Biotech & Biomed Platform, Makeni, Sierra Leone

Ongoing Collaborations

- University of Viterbo “La Tuscia” for the research activity dealing with the molecular characterization of plant microRNAs.
- University of Dschang (Cameroon) for the teaching activity of General Pathology in several Masters (Public Health, Pharmacy, Rehabilitation Medicine); Transfer Technology for the study and research of medical plants.
- University of Ouagadougou (Burkina Faso) for teaching activity in the course of Genetics and Molecular Biology. Transfer Technology in the field of Hepatiti B vaccination and medical plants research.
- University of Makeni, Sierra Leone, for teaching in the Course of Immunology and Pathology at the Public Health School.

- International Research Centre for HIV/AIDS in Yaoundé (CIRCB, Cameroon) as member of the Scientific Council and support to the Italian-Cameroon bilateral project.
- Public Health England, London.
- Merck-UNESCO African Summit, 2015, 2016.
- Centre for Relation with Africa, Italian Geographic Society, for all projects dealing with Africa, and in particular with the following countries: Burkina Faso, Cameroon, Cote d'Ivoire, Niger, Sierra Leone.