

CURRICULUM VITAE - 2023

NAME	Lucio Luzzatto
DATE/PLACE OF BIRTH	September 28, 1936Genova, Italy
NATIONALITY	Italian
MARITAL STATUS	Married with Paola Caboara Luzzatto; children Stefano & Fatima
e-mail:	<lucio.luzzatto@unifi.it>

PRESENT POSITION Honorary Professor, University of Florence, Firenze, ITALY

MEDICAL LICENCE	1960	Italy
	1965	Nigeria
	1981	United Kingdom
	1995	New York State
	2016	Tanzania

BOARDS	1962	Hematology
	1982	FRCPath
	1983	FRCP

EDUCATION

1953	Maturità Classica, Liceo D'Oria, Genova, Italy,
1959	University of Genova Medical School M.D., Genova, Italy,
1968	Libera Docenza (PhD) in Biochemistry, Ministry of Education, Italy,

POSTGRADUATE CLINICAL AND RESEARCH TRAINING

1959-62	Resident, Department of Infectious Diseases, Ospedale S. Martino, Genova; Research Fellow (part-time), Department of Biochemistry (2 years), then Department of Biophysics (1 year), University of Genova, Genova, Italy
1963-64	Fellow in Haematology, Department of Medicine, College of Physicians & Surgeons, Columbia Presbyterian Hospital, New York, NY, USA.
1964-67	Lecturer in Haematology, in charge of Blood Transfusion Unit Department of Pathology, University of Ibadan, Ibadan, Nigeria.

POSITIONS AND APPOINTMENTS

1967-68	Senior Lecturer in charge of Sub-Department of Haematology, University of Ibadan, Ibadan, Nigeria; Consultant Haematologist, UCH, Ibadan, Nigeria,
1968-1974	Professor of Haematology (from 1970 Head of Department) University of Ibadan, Ibadan, Nigeria.
1974-1981	Director, International Institute of Genetics and Biophysics, CNR, Napoli, Italy,
1981-1994	Professor of Haematology (University of London), and Director of Haematology Department, Royal Postgraduate Medical School (now Imperial College), London; Consultant Haematologist, Hammersmith Hospital,
1994-2000	Chairman, Department of Human Genetics, Courtney Steel Chair, Attending Physician in Genetics and Hematology, Memorial Sloan-Kettering Cancer Center; Member of the Cell Biology and Genetics Programme, Sloan-Kettering Institute, Professor of Medicine and Human Genetics, Cornell-Weill University Medical College, New York, NY, USA.
2000-2004	Scientific Director, National Institute for Cancer Research, Genova, Italy,
2002-2006	Professor of Haematology, DOBIG, University of Genova, Genova, Italy
2005-2015	Scientific Director, Istituto Toscano Tumori, Florence, Italy
2015-2022	Professor of Haematology, Muhimbili University College of Health and Allied Sciences (MUHAS), Dar-es-Salaam, Tanzania.
2006-	Professor of Haematology (Honorary since 2008), University of Florence, Firenze, Italy.

HONORARY DEGREES

- *Laurea ad honorem* in Pharmacy, University of Urbino, Italy, 1990
- *DSc*, University of Ibadan, Nigeria, 1998
- *Laurea ad honorem* in Medicine, University of Patras, 2006.

HONORS / AWARDS (PARTIAL LIST)

- Pius XI Medal, 1976
- Sanremo International Prize for Human Genetics, 1982
- Ham-Wasserman Lecture, American Society of Haematology, San Francisco, CA, USA, 1988
- Oliver-Sharpey Lecture, Royal College of Physicians, 1988
- Adolfo Ferrata Lecture, Italian Society of Haematology, Rome, Italy, 1989
- Premio Napoli, 1995
- Nigerian Society of Haematology and Blood Transfusion: 25th Year Jubilee Lecture, 1997
- Fifth William C. Maloney Lecture, Brigham and Women's Hospital, Boston, MA, 1998
- Lilly Lectures - Royal College of Physicians, London and Sheffield, UK, 1999
- Premio Pier Camillo Beccaria, Associazione Angela Serra, Modena, Italy, 1999
- Premio Liguria, 2000
- James Blundell Award, British Society of Blood Transfusion, 2001
- Josè Carreras Lecture - European Haematology Association, Firenze, 2002
- Foreign Member, American Academy of Arts and Sciences, 2004.
- Montalenti Medal, University of Rome, 2007.
- Premio Giovanni Maria Pace, Trieste, 2007.
- Scientific Prize Accademia delle Scienze of Torino, 2011.
- Serafino Zappacosta Memorial Lecture, Napoli, 2012.
- Address to International Leaders in Haematology, ASH, Orlando, FL, USA, 2015
- Accademia dei Lincei Annual Scientific Prize for Biology, 2015.
- Environmental Mutagenesis and Genomics Society PIG-A Award, 2016

OTHER (PARTIAL LIST)

- Director, WHO Regional Reference Centre (Africa) for glucose-6-phosphate dehydrogenase: Ibadan 1967-74; Naples, 1976-1981
- Member (Chairman from 1983) of Steering Committee of Scientific Working Group on Biomedical Sciences, Special Programme on Tropical Diseases, WHO, 1978-86
- Member National Cancer Advisory Board - Ministry of Health, Italy, 2000
- Member National Advisory Board on Stem Cell Research - Ministry of Health, Italy, 2000
- Member of Scientific Committee, Science Festival, Genova, 2003-2012
- Member of Life Sciences Panel 7, European Research Council, Bruxelles, 2008-2016
- Chair, Scientific Advisory Committee, Italian Cystic Fibrosis Foundation, 2012-2015
- Chair, Scientific Advisory Committee, Josep Carreras Institute, Barcelona, 2013-2023
- Chair, WHO Evidence Review Group on Point of Care G6PD Testing to Support Safe Use of Primaquine for the Treatment of Vivax Malaria, Geneva, 2014
- Member, WHO Technical Consultation on G6PD, 2022
- Member of Global Award Sub-Committee, American Society of Hematology, 2018-2020.
- Foreign Member, *Accademia Nazionale dei Lincei*, 2021.

The *leitmotiv* of Lucio Luzzatto's research and teaching has been the understanding of human disease at the molecular level; particularly in the area of blood diseases, for the ultimate purpose to improve their management. LL and colleagues cloned the human *G6PD* gene in the early eighties, thus laying foundations for the molecular pathophysiology and population genetics of G6PD and G6PD deficiency. In the area of malaria, beyond pioneering the work that indicated that heterozygotes for G6PD deficiency are protected against mortality for *P falciparum*, LL has opened insights on the mechanism of malaria selection with respect to both the sickle cell trait and G6PD deficiency. LL first provided evidence that paroxysmal nocturnal haemoglobinuria (PNH) is a clonal disorder, introduced the concept of conditional clonal selection and provided supporting evidence: thus rationalising the relationship of clonal expansion with bone marrow failure, and with the treatment of PNH. In summary, LL has devoted his research to contemporary molecular medicine.

PUBLICATIONS

444 scientific papers listed in *PubMed*. Many chapters in major textbooks.

1 Book for lay people: *CAPIRE IL CANCRO (UNDERSTANDING CANCER)*, Publ. Rizzoli, 2006; Paperback edition (BUR), 2009.