




RESEARCHER'S PROFILE

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BIO

Profile title	Prof
Name:	Lucio Luzzatto
School	School of Medicine
Department	Haematology and Blood Transfusion
Areas of Research Interest	Haematology; haemoglobinopathies; haemolytic anaemias; bone marrow disorders; molecular genetics of blood disorders
Personal statement	<p>Having trained as haematologist in Italy and in the US (Columbia University), Lucio Luzzatto worked from 1964 to 1974 at the University of Ibadan, Nigeria; from 1974-1981 he was Director of the International Institute of Genetics and Biophysics, CNR, Napoli, Italy; in 1981 he succeeded Sir John Dacie as Professor of Haematology and Director of the Haematology Department at the Royal Postgraduate Medical School, Hammersmith Hospital, University of London, UK; in 1994 he became Professor and founding Chairman of the Department of Human Genetics at Memorial Sloan-Kettering Cancer Center in New York; from 2000 to 2004 he was Scientific Director of the National Institute for Cancer Research, Genova, Italy; from 2005 to 2015 Scientific Director of the <i>Istituto Toscano Tumori</i>, Firenze, Italy; currently he is Professor of Haematology at the Muhimbili University for Health and Allied Sciences (MUHAS) in Dar-es-Salaam, Tanzania.</p> <p>Lucio Luzzatto's research has been focused on the genetic and molecular basis of blood disorders. Main contributions. (a) Glucose 6-phosphate dehydrogenase (G6PD): this was the first human enzyme of which molecular cloning was achieved with M G Persico in 1986. (b) Genetics of haemoglobinopathies and inherited susceptibility to malaria. In year 2000 Luzzatto collaborated with M Sadelain to obtain correction of thalassaemia by gene therapy in a pre-clinical mouse model. (c) Pathogenesis, molecular basis and clinical aspects of paroxysmal nocturnal hemoglobinuria (PNH). Lucio Luzzatto and collaborators first proved this was a clonal disorder; subsequently his group identified the underlying biochemical abnormality, and with Bruno Rotoli and others</p>

	<p>provided the currently accepted model to explain the expansion of PNH clones.</p> <p>Lucio Luzzatto has about 400 publications in learned journals, and several chapters in major textbooks.</p>
Digital photo	

EDUCATION AND LINK TO RESEARCH

Education	PhD, Italy, 1968; MD, Univ of Genova, 1959
Professional certifications or licenses	Spec. Haematology, Univ of Pavia, 1963; FRCPath (UK), 1982; FRCP (London), 1983.
Research Gate ID	Lucio Luzzatto
PubMed link	https://www.ncbi.nlm.nih.gov/pubmed/?term=Luzzatto+L
Linkedin ID	Lucio Luzzatto
Google Scholar Profile	
Major grants	MRC: G6PD Research (London); NIH: PNH research (New York); NIH: Gene Therapy research (New York); AIRC: Cancer research (Florence); MMV: Malaria Research (MUHAS).

CONTACT INFORMATION

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ADDITIONAL INFORMATION

Anything Else?	In 2006 Lucio Luzzatto has published for Rizzoli an educational book for the public, <i>Capire il Cancro</i> (Understanding Cancer), reprinted in 2009 in paperback.
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