

NAME: Ciro Isidoro, D.Sc., M.D.

Born in Tripoli (Libia) 29 August 1956; married, two children.

ACADEMIC POSITION:

Associate Professor of General Pathology,

Head of Laboratory of Molecular Pathology and Nanobioimaging

INSTITUTION: Department of Health Sciences, Università del Piemonte Orientale 'A. Avogadro'
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Honorary Professor of the Faculty of Medicine and Pharmacy, Université de la Franche-Comté de Besancon (France).

Member of the Scientific board of « Integrative Cancer Research Center of the Georgia Institute of Technology », Georgia Tech University, Georgia (Atlanta, US)

Executive Vice-President of the International Association of Traditional and Complementary Medicine.

EDUCATIONAL BACKGROUND

- July 1983: first class degree with Honour (Laurea “summa cum Laude”) **Doctor in Biological Sciences** at the University of Turin.
- July 1984: National License (Board) as Doctor Biologist, University of Turin (Italy).
- July 1999: first class degree with Honour (Laurea “summa cum Laude”) **Doctor in Medicine and Surgery** at the “A. Avogadro” Università del Piemonte Orientale.
- March 2000: National License (Board) as Medical Doctor, Università del Piemonte Orientale (Italy)

ACADEMIC CAREER AND APPOINTMENTS

- 1976-1983: under-graduated student at University of Turin (Mentors: Prof. Francesco Feo, Prof. Paolo M. Comoglio, Prof. Guido Forni)
- 1983-1986: Research Assistant, post-Doctoral fellow at Department of Medicine and Experimental Oncology, University of Turin (I). Mentors: Prof. Federico Caligaris-Cappio, Prof. Francesco M. Baccino.
- 1987-1988: visiting Postdoc fellow at Institute fuer Physiologische Chemie und Pathobiochemie. Mentor: Prof. Andrej Hasilik, University of Muenster (Germany).
- 1989-1990: Wissenschaftler-Hilfskraft (Research assistant fellow) at Institute fuer Physiologische Chemie und Pathobiochemie; enrolled as PhD student fellow of the “Rerum Medicinalis” PhD program at Westfaelisch Wilhelms-Universitaet of Muenster (Germany). Mentor: Prof. Andrej Hasilik.
- 1990-1993: Research Associate at Department of Medicine and Experimental Oncology, University of Turin (I).
- 1990-1992: Contractor Adjunct Professor, Lecturer in Pathology, Faculty of Sciences, University of Turin (I).

- 1993-1999 Assistant Professor (permanent position), Lecturer of Immunology and of Pathology at University of Turin (Second Faculty of Sciences, Alessandria; Second Faculty of Medicine, Novara), Italy.
- 1997 to date: Head of the Laboratory of Molecular Pathology at Dept. of Health Sciences, Novara, "A. Avogadro" University.
- 2000- to date: Associate Professor of Pathology, Lecturer of Immunology, Cell Pathology, Experimental Oncology and Environmental Medicine, School of Medicine, "A. Avogadro" University.

AWARDS

1995 AIRC fellowship as Visiting Scientist at Department of Pharmacology, Wayne State University (Detroit, US)

2014 Brain Pool Program of Seoul National University, National Cancer Institute (South Korea)

HONORIS CAUSA

Ordained as Honorary Professor of the Faculté de Medecine et de Pharmacie de l' Université de Franche-Comté, Besancon (France). Ceremony Honoris Causa held on September 22nd, 2014.

TEMPORARY-VISITING ACADEMIC POSITIONS

- 1993-1994: Visiting Scientist at INSERM Laboratoire de Biologie et Pathologie Moléculaires des Glycoprotéines, School of Medicine, X. Bichat Hospital, University of Paris, France.
- 1996: Visiting Professor at Wayne State University, School of Medicine of Detroit, Department of Pharmacology (director: Prof. Bonnie F. Sloane), Michigan, USA.
- 2000/2002: Visiting Professor at Institute fuer Physiologische Chemie, Klinikum der Philipps-Universitaet Marburg (D).
- 2002/2008: Visiting Professor at Henry Wellcome Laboratories for Integrative Neuroscience and Endocrinology, University of Bristol (UK).
- 2005 to 2009: overseas advisor of PhD students at Mahidol University, Bangkok (Thailand).
- 2012: Visiting Scholar at Department of Pathology, Faculty of Medicine and Surgery, University of Malta Medical School.
- 2012 to date: overseas advisor of PhD students at Chulalongkorn University and at Mahidol University (Bangkok, Thailand).
- 2013-to date: Visiting Professor of Experimental Oncology at Mahidol University, Faculty of Medicine, Siriraj Hospital (Bangkok, Thailand)
- 2014-2015: Visiting Professor of Molecular Pathology at Chulalongkorn University, Faculty of Allied Health Sciences, (Bangkok, Thailand);

RESEARCH INTERESTS

- Biogenesis and function of lysosomes and lysosome-related organelles;
- Role of lysosomal proteolysis and of autophagy in cancer and in neurodegenerative diseases;
- Role of lysosomes in programmed cell death;
- Functional genomic and proteomic approaches to identify regulators of lysosome-autophagy function;
- Environmental toxins and human diseases: molecular mechanisms;
- Natural Products as therapeutics in Complementary and Integrative Medicine;
- Nanobiotechnology and cellular/molecular imaging in human pathology.

BIBLIOMETRIC INDEXES from ISI Web of Science:

Total publications: 110 in peer-reviewed journals

Total Impact Factor: ~500

Total citations: > 6.500

Hirsch Index: 27 (combined ISI-WOK and Scopus); 31 (Google Scholar)

30 full papers and chapters published in Books and conference book

220 poster/oral communication at National and International Congresses.

PATENT:

International Patent: "Simultaneous mixed site-specific mutagenesis method".

Inventors: Carlo Follo, Ciro Isidoro

Deposited at International Bureau of WIPO on 19th November 2007.

International application No. PCT/IB2007/003629

EDITORIAL BOARD***Vice Editor in Chief of***

- *Journal of Traditional and Complementary Medicine*

Associate Editor of

- *AUTOPHAGY*
- *BMC CANCER*
- *GENES AND CANCER*
- *Journal of MOLECULAR SIGNALING*
- *Journal of Ovarian Research*
- *Frontiers Endocrinology and Aging*
- *The Open Cancer Journal*
- *World Journal of Biological Chemistry*
- *American Journal of Cancer Science,*
- *American Journal of Cancer Biology,*
- *American Journal of Cancer Review,*
- *American Journal of Cancer Genetics, Genomics and Proteomics,*
- *American Journal of Clinical Cancer Research,*
- *American Journal of Cancer Therapy and Pharmacology*
- *Cancer Surgery*
- *Clinical Medical Image Library*
- *Recent Patent in Cancer Biomarkers*

REVIEWER of National / International Grant Agencies

REVIEWER of indexed journals (among > 25): Autophagy, J of Cell Science, J of Neurochemistry, Cell Death & Differentiation, Cell Death & Disease, J of Biological Chemistry, Cancer Research, Nanotoxicology.

Member of the Organizing Committee/Chair of session (and invited speaker) of the following International Conferences

-Physiology and Pathology of Vesicular Traffic (Alessandria, Italy, 1995)

-APSN 2012 Symposium on “Autophagy and Proteasome cross-talk in Neuropathophysiology”, at the 11th Biennial Meeting of the *Asia-Pacific Society for Neurochemistry* and 55th Annual Meeting of the *Japanese Society for Neurochemistry* in Kobe, Japan, Sep 29-Oct 2, 2012

-ESMI, *European Society for Molecular Imaging*, Torino, Italy, May 26-28, 2013

-SMITH (*Society for Molecular Imaging of Thailand*) Chiang Mai, Thailand, November 28-30, 2013

-SCC 2014 International Conference – 1st Annual Meeting of Ovarian Consortium, Feb 9-11, 2014, University of Oklahoma Health Sciences Center, Oklahoma City (USA)

-SNU-CRI, Annual International Meeting of the Seoul National University – Cancer Research Institute, April 16-18, 2014, Mokpo, South Korea

-SNU-CRI, Annual International Meeting of the Seoul National University – Cancer Research Institute, April 2-5, 2015, South Korea

-1st International School on “Nanostructured Materials”, 18-20 May, 2015

-6th International workshop on “Nanoparticles, Nanostructured Coatings And Microcontainers: Technology, Properties, Applications”, 20-24 May, 2015, Saratov (Russian Federation) website: <http://nanoworkshop.sgu.ru/>

-SCC 2015 International Conference – 2nd Annual Meeting of Ovarian Consortium, Aug 16-18, 2015, University of Oklahoma Health Sciences Center, Oklahoma City (USA)

-First BTM2015 Basic to Translational Medicine, Siriraj Hospital – Medical School of Mahidol University of Bangkok (Thailand) (*October 20th*)

-NAPA – 6th International Conference on Nutrition and Physical Acitivity 2015 – October 21-24, 2015, GIS NTU Convention Center, Taipei – Taiwan

-ICTCMH 2015 - 2nd International Conference of Traditional and Complementary Medicine on Health, October 24-26, 2015, GIS NTU Convention Center, Taipei – Taiwan

-SCC 2016 International Conference – 3rd Annual Meeting of Ovarian Consortium, Aug 28-30, 2015, University of Oklahoma Health Sciences Center, Oklahoma City (USA)

-Second BTM2016 Basic to Translational Medicine: focus on Cancer (President of the Organizing Committee), October 5-7, 2016; Novara Hospital – Medical School of Università del Piemonte Orientale (Italy).

SCIENTIFIC SOCIETIES MEMBERSHIP

- *International Association of Traditional and Complementary Medicine*
- *Società Italiana di Patologia*
- *Associazione di Biologia Cellulare e del Differenziamento (ABCD /FISV)*
- *International Proteolysis Society*

- *Sphingolipid Club*
- *Società Italiana di Cancerologia*
- *European Association of Cancer Research*
- *European Neurochemistry Society*
- *The Asian Pacific Society for Neurochemistry*
- *European Society of Molecular Imaging*
- *Society for Molecular Imaging of Thailand*

Novara, July 2016

Ciro Isidoro