

Biographical sketch CIRO ISIDORO



Nome CIRO ISIDORO

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Professore Ordinario di Patologia Generale e Patologia Clinica

Qualifica ASN di Professore Ordinario di

Biochimica Clinica e Biologia Molecolare Clinica

Oncologia Medica

Affiliazione Università del Piemonte Orientale, Dipartimento di Scienze della Salute; via Paolo Solaroli 17 – 28100, Novara (Italy)

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Titoli Accademici:

1983 – Laurea *Summa cum Laude* – Dottore magistrale in Scienze Biologiche (Doctor of Science), Università di Torino (Italia)

1984 – Abilitazione Nazionale alla professione di Biologo

1999 - Laurea *Summa cum Laude* – Dottore in Medicina e Chirurgia (M.D.), Università del Piemonte Orientale (Novara, Italia)

2000 – Abilitazione Nazionale alla professione di Medico-Chirurgo; iscritto all’Albo dei Medici-Chirurghi e Odontoiatri della provincia di Torino (n. 19820).

Posizioni Accademiche rappresentative:

2023: TOP 2% Scientist in the world based on scientific production in 2022.

1983-1986: post-doc borsista presso Università di Torino, Dipartimento di Medicina e Oncologia Sperimentale (Torino, Italia)

1986-1989: PhD fellow-Assistant Researcher (Rerum Medicinalis) = dottorando in Scienze Mediche presso Institut fuer Pathobiochemie, Westfaelish-Wilhems Universitaet Muenster (Germany); assistente di ricerca (Wissenschaftliche Hilfskraft) dal 15.02.1989 fino al 31.03.1990.

1989-1992: Post-doc-Professore a Contratto presso Università di Torino, Dipartimento di Medicina e Oncologia Sperimentale (Italia)

1993-1999: Ricercatore confermato (Assistant Professor) di Patologia Generale, Università di Torino (Italia)

2000 to 2019: Professore Associato di Patologia Cellulare e Oncologia Sperimentale, Scuola di Medicina, Università del Piemonte Orientale (Novara, Italia).

2000-2000: Visiting Professor at Institute fuer Physiologische Chemie (Prof. A. Hasilik), Klinikum der Philipps-Universitaet Marburg (D)

2002-2005: Visiting Professor at Henry Wellcome Laboratories for Integrative Neuroscience and Endocrinology, University of Bristol (UK).

2005 to date: overseas advisor of PhD students at Mahidol University, at Chulalongkorn University, Bangkok; at Khon Kaen University (Thailand)

2013-2020: Visiting Professor, Siriraj Faculty of Medicine, Mahidol University of Bangkok (Thailand).

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2016 to present: Visiting Professor, Department of Cell Biology, Oklahoma University Health Science Center (OKC, U S).

2018 to 2019: Visiting Professor, Faculty of Allied Health Sciences, Chulalongkorn University of Bangkok (Thailand).

2019-2020: Visiting Professor, University of Bourgogne France-Comté, Besancon (France)

2019 - oggi: Professore Ordinario di Patologia Generale, Patologia Cellulare e Oncologia Sperimentale, Scuola di Medicina, Università del Piemonte Orientale (Novara, Italia).

2019-2020 Adjunct Professor Dept of Medicine, College of Medicine, Seoul National University, Seoul (South Korea)

2019-2020: Adjunct Professor Medical Research Institute, Tokyo Medical and Dental University, Tokyo (Japan) 2020-

present: Adjunct Professor Siriraj Hospital-Faculty of Medicine, Mahidol University, Bangkok (Thailand)

Premi e Riconoscimenti Internazionali:

2023: TOP 2% Best Scientists in the World among 8.5 million

2023: TOP Italian Scientist in Scienze Biomediche

2023: listed as Best Scientist in Biochimica

2014: Professor Honoris Causa Faculty of Medicine and Pharmacy, Université de Bourgogne & Franche-Comté of Besançon (France).

2015: member of the Scientific board of « Integrative Cancer Research Center of the Georgia Institute of Technology », Georgia Tech University, Georgia (Atlanta, US) <https://icrc.gatech.edu/people/Ciro-Isidoro>; <https://icrc.gatech.edu/user/299>

2015: Executive Vice-President of the International Association of Traditional and Complementary Medicine.

2018: Full member of the World Academy of Sciences <http://www.worldacademyofsciences.com/members.html>

EDITORIAL BOARD

Editor-in-Chief of J Traditional and Complementary Medicine; of J of Molecular Signaling; J of Cancer and Metastasis Treatment; Biomedicines (Advisor board member)

Associate Editor of Autophagy, Cancers, Cells, Int J Molec Sci, Molecular Carcinogenesis, Frontiers in Oncology, Oncology Lett, Oncology Res, Exptl. & Therap. Medicine, (others)

Aree di Ricerca: Ruolo e regolazione dell'autofagia nel cancro e nella neurodegenerazione. Regolazione epigenetica dell'autofagia e morte cellulare. Nutraceutici anti-invecchiamento e anti-tumorali. Biogenesi degli organelli, traffico vescicolare e malattie. Nanoteranostici (imaging "in cellulo"). La tecnologia omica nella diagnosi e terapia delle malattie umane. Meccanismi molecolari e fisiopatologici del COVID-19 e degli effetti avversi del vaccino COVID19.

Brevetti: International Patent (C. Follo e C. Isidoro), PCT No. WO2008/065505 (5-06-2008).

LINK: <https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2008065505&redirectedID=true>

Bibliometric index:

Scopus H Index = 47; citations >10.000

Google Scholar H Index = 50; citations >20.000

Google Scholar personal webpage <https://scholar.google.it/citations?hl=it&user=YaKkwGMAAAAJ>

Total Impact Factor >1000

Publications 182 full articles in peer-review journals plus chapters in several books.

PUBMED <https://www.ncbi.nlm.nih.gov/pubmed/?term=isidoro+c>

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INTERNATIONAL SCIENTIFIC SOCIETY MEMBERSHIP

- International Society of Precision Cancer Medicine (founder member, since Apr 2018)
- International Association of Traditional and Complementary Medicine (Executive Vice President, since Nov 2015)
- International Proteolysis Society (founder member, since 1999)
- Associazione Italiana di Biologia Cellulare e del Differenziamento (ABCD) (founder member)
- Italian Society of Cancerology
- European Cancer Society
- European Cell Biology Society

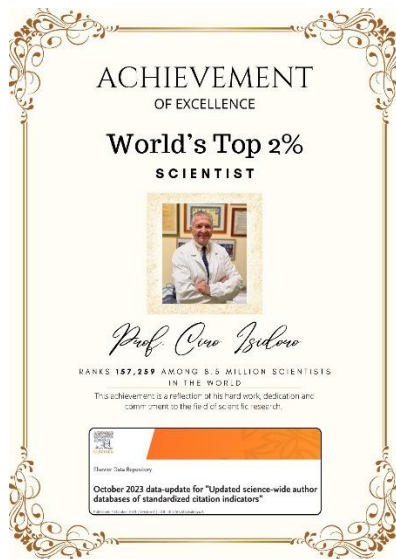
TOP 2% Scientist in the world based on quality of scientific production in 2022.

Prof. Ciro Isidoro ranks 157259 among 8.5 million scientists in the world.

A bibliometric study performed by the Prof. J. Ioannidis's team at Stanford University has considered the quantity, quality, and diffusion of publications within the scientific community and elaborated standardized information on citations, h-index, co-authorship adjusted hm-index, citations to papers in different authorship positions and a composite indicator (c-score). The authors analyzed data relating to over 8 and a half million researchers from universities and research centers throughout the world. Among them, approximately **195,000 scientists stood out for their scientific authority and currently represent the best 2%. In this ranking, Prof. Ciro Isidoro is n. 157259.**

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

https://drive.google.com/file/d/1ro19angG6WqVA5zX9vUISegw38QLQok0/view?usp=drive_web




<https://exaly.com/author/5026208/ciro-isidoro/h-index>

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Best Biology and Biochemistry Scientists

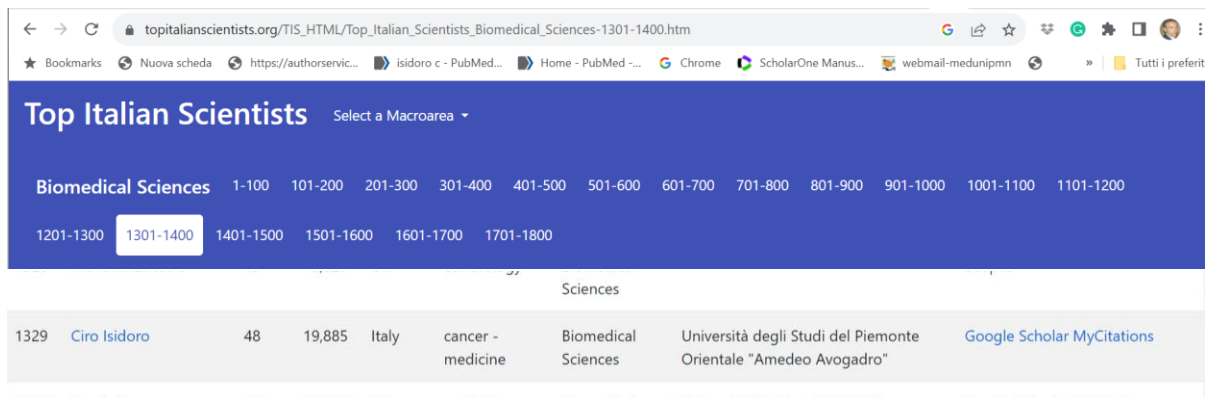
The 2nd edition of Research.com ranking of the best scientists in the field of Biology and Biochemistry relies on data derived from a wide range of data sources including OpenAlex and CrossRef. The bibliometric data for devising the citation-based metrics were acquired on 21-12-2022. Position in the ranking is based on a scholar's D-index (Discipline H-index), which takes into account only publications and citation values for an examined discipline.
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ciro isidoro	x	🔍	Biology and Biochemistry	▼	All countries	▼
World	National	Scholar	D-Index	Citations	Publications	
12866	386		Ciro Isidoro University of Eastern Piedmont Amadeo Avogadro, Italy	50	32,485	170

The 2023 Edition of our Ranking of Top Scientists in the field of Biology and Biochemistry released recently at <https://research.com/scientists-rankings/biology-and-biochemistry>

TOP ITALIAN SCIENTIST IN BIOMEDICAL SCIENCES

<https://topitalianscientists.org/top-italian-scientists-scopus/Biomedical%20Sciences/1>



Top Italian Scientists								Select a Macroarea ▼											
Biomedical Sciences								1-100	101-200	201-300	301-400	401-500	501-600	601-700	701-800	801-900	901-1000	1001-1100	1101-1200
1201-1300								1301-1400	1401-1500	1501-1600	1601-1700	1701-1800							
Sciences																			
1329	Ciro Isidoro	48	19,885	Italy	cancer - medicine	Biomedical Sciences	Università degli Studi del Piemonte Orientale "Amedeo Avogadro"	Google Scholar	MyCitations										

CODICE FISCALE SDRCRI56M29Z326U;

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Autorizzo e consento il trattamento dei miei dati personali ai sensi dell'art. 13 del D.Lgs. 196/03 e dell'art. 13 GDPR 679/16 e Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Novara, April 16th, 2024

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PUBBLICAZIONI RECENTI (2023-2024)

182. Secomandi, E.; Esposito, A.; Camurani, G.; Vidoni, C.; Salwa, A.; Lualdi, C.; Vallino, L.; Ferraresi, A.; Isidoro, C. Differential Competitive Growth of Transgenic Subclones of Neuroblastoma Cells Expressing Different Levels of Cathepsin D Co-Cultured in 2D and 3D in Response to EGF: Implications in Tumor Heterogeneity and Metastasis. *Cancers* **2024**, *16*, 1343. <https://doi.org/10.3390/cancers16071343>
181. Sillapachaiyaporn C, Wongwan C, Mongkolpobsin K, Nilkhet S, Isidoro C, Chuchawankul S, Tencomnao T. Ergosterol promotes neurite outgrowth, inhibits amyloid-beta synthesis, and extends longevity: In vitro neuroblastoma and in vivo *Caenorhabditis elegans* evidence. *Life Sci.* 2024 Apr 2:122606. doi: 10.1016/j.lfs.2024.122606. Epub ahead of print. PMID: 38574884.
180. Ferraresi A, Thongchot S, Isidoro C. Resveratrol Promotes Self-digestion to Put Cancer to Sleep. *J Cancer Prev.* 2024 Mar 30;29(1):1-5. doi: 10.15430/JCP.24.001. Epub 2024 Mar 29. PMID: 38567110; PMCID: PMC10982519.
179. Chen X, Tsvetkov AS, Shen HM, Isidoro C, Ktistakis NT, Linkermann A, Koopman WJH, Simon HU, Galluzzi L, Luo S, Xu D, Gu W, Peulen O, Cai Q, Rubinsztein DC, Chi JT, Zhang DD, Li C, Toyokuni S, Liu J, Roh JL, Dai E, Juhasz G, Liu W, Zhang J, Yang M, Liu J, Zhu LQ, Zou W, Piacentini M, Ding WX, Yue Z, Xie Y, Petersen M, Gewirtz DA, Mandell MA, Chu CT, Sinha D, Eftekharpour E, Zhivotovsky B, Besteiro S, Gabrilovich DI, Kim DH, Kagan VE, Bayir H, Chen GC, Ayton S, Lünemann JD, Komatsu M, Krautwald S, Loos B, Baehrecke EH, Wang J, Lane JD, Sadoshima J, Yang WS, Gao M, Münz C, Thumm M, Kampmann M, Yu D, Lipinski MM, Jones JW, Jiang X, Zeh HJ, Kang R, Klionsky DJ, Kroemer G, Tang D. International consensus guidelines for the definition, detection, and interpretation of autophagy-dependent ferroptosis. *Autophagy.* 2024 Mar 5. doi: 10.1080/15548627.2024.2319901. Epub ahead of print. PMID: 38442890.
178. Thongchot S, Ferraresi A, Vidoni C, Salwa A, Vallino L, Kittirat Y, Loilome W, Namwat N, Isidoro C. Preclinical evidence for preventive and curative effects of resveratrol on xenograft cholangiocarcinogenesis. *Cancer Lett.* 2023 Dec 12:216589. doi: 10.1016/j.canlet.2023.216589. Epub ahead of print. PMID: 38097133.
177. Fawaz A, Ferraresi A, Isidoro C. Systems Biology in Cancer Diagnosis Integrating Omics Technologies and Artificial Intelligence to Support Physician Decision Making. *J Pers Med.* 2023 Nov 10;13(11):1590. doi: 10.3390/jpm13111590. PMID: 38003905.
176. Nadhan, R., Isidoro, C., Song, Y.S., Dhanasekaran, D.N. (2023). Long Non-coding RNAs in Cancer. In: Sobti, R.C., Ganguly, N.K., Kumar, R. (eds) *Handbook of Oncobiology: From Basic to Clinical Sciences*. Springer, Singapore. https://doi.org/10.1007/978-981-99-2196-6_37-1
175. Amreen Salwa, Alessandra Ferraresi, Eleonora Secomandi, Letizia Vallino, Riccardo Moia, Andrea Patriarca, Beatrice Garavaglia, Gianluca Gaidano, Ciro Isidoro. High BECN1 Expression Negatively Correlates with BCL2 Expression and Predicts Better Prognosis in Diffuse Large B-Cell Lymphoma: Role of Autophagy. *Cells* **2023**, *12*(15), 1924; <https://doi.org/10.3390/cells12151924>
174. Isidoro C. Pathophysiology of Lysosomes in a Nutshell. *Int J Mol Sci.* 2023 Jun 26;24(13):10688. doi: 10.3390/ijms241310688. PMID: 37445864
173. Editorial: Metabolome in gastrointestinal cancer. Isidoro C, Teng Y. *Front Oncol.* 2023 Jun 26;13:1234242. doi: 10.3389/fonc.2023.1234242. eCollection 2023. PMID: 37434972
172. Nadhan R, Kashyap S, Ha JH, Jayaraman M, Song YS, Isidoro C, Dhanasekaran DN. Targeting Oncometabolites in Peritoneal Cancers: Preclinical Insights and Therapeutic Strategies. *Metabolites* **2023**, *13*(5), 618; <https://doi.org/10.3390/metabo13050618>

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171. Vallino L, Garavaglia B, Visciglia A, Amoruso A, Pane M, Ferraresi A, Isidoro C. Cell-free Lactiplantibacillus plantarum OC01 supernatant suppresses IL-6-induced proliferation and invasion of human colorectal cancer cells: Effect on β -Catenin degradation. *J Tradit Complement Med.* 2023 Feb 21;13(2):193-206. doi: 10.1016/j.jtcme.2023.02.001. eCollection 2023
170. Editorial note: Gut microbiota and health. Ho CT, Wu MS, Panyod S, Chang AC, Isidoro C, Sheen LY. *J Tradit Complement Med.* 2023 Mar 13;13(2):105-106. doi: 10.1016/j.jtcme.2023.03.004. eCollection 2023
169. Rubio K, Hernández-Cruz EY, Rogel-Ayala DG, Sarvari P, Isidoro C, Barreto G, Pedraza-Chaverri J. Nutriepigenomics in Environmental-Associated Oxidative Stress. *Antioxidants (Basel).* 2023 Mar 21;12(3):771. doi: 10.3390/antiox12030771.
168. Paolo Bellavite, Alessandra Ferraresi, Ciro Isidoro. Immune response and molecular mechanisms of cardiovascular adverse effects of Spike proteins from SARS-CoV-2 and mRNA vaccines. *Biomedicines* 2023, 11(2), 451; <https://doi.org/10.3390/biomedicines11020451>
167. Chiara Vidoni, Alessandra Ferraresi, Letizia Vallino, Amreen Salwa, Ji Hee Ha, Christian Seca, Beatrice Garavaglia, Danny N. Dhanasekaran, Ciro Isidoro Glycolysis Inhibition of Autophagy Drives Malignancy in Ovarian Cancer: Exacerbation by IL-6 and Attenuation by Resveratrol. *Int. J. Mol. Sci.* 2023, 24(2), 1723; <https://doi.org/10.3390/ijms24021723> (<https://www.mdpi.com/1422-0067/24/2/1723>)
166. Ferraresi A., Isidoro C. Will Omics Biotechnologies Save Us from Future Pandemics? Lessons from COVID-19 for Vaccinomics and Adversomics. *Biomedicines* 2023, 11(1), 52; <https://doi.org/10.3390/biomedicines11010052>.