

PUBLICATION LIST updated to December 10th 2025

(*) senior co-author/co-corresponding author

-----PUBLISHED in peer review journals -----

(18 as First Author and 117 as Senior/corresponding Author out of 199)

199. Isidoro, C. SARS-CoV2 and Anti-COVID-19 mRNA Vaccines: Is There a Plausible Mechanistic Link with Cancer? *Cancers* 2025, 17, 3867. <https://doi.org/10.3390/cancers17233867>
198. Nadhan R, Nath K, Basu S, Isidoro C, Song YS, Dhanasekaran DN. Decoding lysophosphatidic acid signaling in physiology and disease: mapping the multimodal and multinodal signaling networks. *Signal Transduct Target Ther.* 2025 Oct 10;10(1):337. doi: 10.1038/s41392-025-02423-4. PMID: 41068071; PMCID: PMC12511386.
197. Garavaglia B, Ferraresi A, Vidoni C, Vallino L, Lualdi C, Mollace V, Isidoro C. Butyrate and Resveratrol synergize to inhibit colorectal cancer cell proliferation and migration by preventing the nuclear translocation of β -catenin. *BIO Web of Conferences* 187, 04001 (2025) ISPH-ISPFR 2025, <https://doi.org/10.1051/bioconf/202518704001>
196. Maheshwari, C.; Castiglioni, A.; Walusimbi, U.; Vidoni, C.; Ferraresi, A.; Dhanasekaran, D.N.; Isidoro, C. The Biological Role and Clinical Significance of BECLIN-1 in Cancer. *Int. J. Mol. Sci.* 2025, 26, 9380. <https://doi.org/10.3390/ijms26199380>
195. Garavaglia B, Vallino L, Ferraresi A, Visciglia A, Amoroso A, Pane M, Munteanu C, Isidoro C. The Anti-Inflammatory, Immunomodulatory, and Pro-Autophagy Activities of Probiotics for Colorectal Cancer Prevention and Treatment: A Narrative Review. *Biomedicines.* 2025 Jun 25;13(7):1554. doi: 10.3390/biomedicines13071554. PMID: 40722631; PMCID: PMC12293081.
194. Ferraresi A, Ghezzi I, Salwa A, Lualdi C, Dhanasekaran DN, Isidoro C. P53-Induced Autophagy Degradation of NKX3-2 Improves Ovarian Cancer Prognosis. *Cells.* 2025; 14(11):765. <https://doi.org/10.3390/cells14110765>.
193. Bonetto V, Ferraresi A, Sampò S, Isidoro C. Fungal Bioactive Compounds as Emerging Therapeutic Options for Age-Related Neurodegenerative Disorders. *Int J Mol Sci.* 2025 May 16;26(10):4800. doi: 10.3390/ijms26104800.
192. Garavaglia B, Vallino L, Ferraresi A, Amoroso A, Pane M, Isidoro C. Probiotic-Derived Metabolites from *Lactiplantibacillus plantarum* OC01 Reprogram Tumor-Associated Macrophages to an Inflammatory Anti-Tumoral Phenotype: Impact on Colorectal Cancer Cell Proliferation and Migration. *Biomedicines.* 2025 Feb 3;13(2):339. doi: 10.3390/biomedicines13020339. PMID: 40002754; PMCID: PMC11853712.
191. Bellavite P, Donzelli A, Isidoro C. The WHO Algorithm for Causality Assessment of Adverse Effects Following Immunization with Genetic-Based Anti-COVID-19 Vaccines: Pitfalls and Suggestions for Improvement. *J Clin Med.* 2024 Nov 30;13(23):7291. doi: 10.3390/jcm13237291. PMID: 39685749; PMCID: PMC11642405.
190. Beatrice Garavaglia, Letizia Vallino, Angela Amoroso, Marco Pane, Alessandra Ferraresi, **Ciro Isidoro**, The role of gut microbiota, immune system, and autophagy in the pathogenesis of

inflammatory bowel disease: Molecular mechanisms and therapeutic approaches. Aspects of Molecular Medicine, Volume 4, 2024, 100056, <https://doi.org/10.1016/j.amolm.2024.100056>.

189. Nadhan R, Isidoro C, Song YS, Dhanasekaran DN. LncRNAs and the cancer epigenome: Mechanisms and therapeutic potential. *Cancer Lett.* 2024 Nov 28;605:217297. doi: 10.1016/j.canlet.2024.217297. Epub 2024 Oct 16. PMID: 39424260.

188. Isidoro C, Ntanasis-Stathopoulos I. Editorial: Understanding patient nutrition and cancer progression. *Front Oncol.* 2024 Nov 25;14:1518083. doi: 10.3389/fonc.2024.1518083. PMID: 39655074; PMCID: PMC11625663.

187. Ferraresi A, Ghezzi I, Salwa A, Esposito A, Dhanasekaran DN, Isidoro C. NKX3-2 Induces Ovarian Cancer Cell Migration by HDAC6-Mediated Repositioning of Lysosomes and Inhibition of Autophagy. *Cells.* 2024 Nov 4;13(21):1816. doi: 10.3390/cells13211816. PMID: 39513923; PMCID: PMC11544992.

186. Salwa A, Ferraresi A, Vallino L, Maheshwari C, Moia R, Gaidano G, Isidoro C. High Mitophagy and Low Glycolysis Predict Better Clinical Outcomes in Acute Myeloid Leukemias. *Int J Mol Sci.* 2024 Oct 27;25(21):11527. doi: 10.3390/ijms252111527. PMID: 39519080; PMCID: PMC11546612.

185. Esposito A, Ferraresi A, Vallino L, Garavaglia B, Dhanasekaran DN, Isidoro C. Three-Dimensional *In Vitro* Cell Cultures as a Feasible and Promising Alternative to Two-Dimensional and Animal Models in Cancer Research. *Int J Biol Sci.* 2024 Sep 30;20(13):5293-5311. doi: 10.7150/ijbs.96469. PMID: 39430243; PMCID: PMC11488579.

184. Ferraresi A, Girone C, Maheshwari C, Vallino L, Dhanasekaran DN, Isidoro C. Ovarian Cancer Cell-Conditioning Medium Induces Cancer-Associated Fibroblast Phenocconversion through Glucose-Dependent Inhibition of Autophagy. *Int J Mol Sci.* 2024 May 23;25(11):5691. doi: 10.3390/ijms25115691. PMID: 38891879; PMCID: PMC11171902.

183. Ha JH, Radhakrishnan R, Nadhan R, Gomathinayagam R, Jayaraman M, Yan M, Kashyap S, Fung KM, Xu C, Bhattacharya R, Mukherjee P, Isidoro C, Song YS, Dhanasekaran DN. Deciphering a GPCR-lncRNA-miRNA Nexus: Identification of an Aberrant Therapeutic Target in Ovarian Cancer. *Cancer Lett.* 2024 Apr 18:216891. doi: 10.1016/j.canlet.2024.216891. Epub ahead of print. PMID: 38642607.

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*. 2024 Feb 1;582:216589. doi: 10.1016/j.canlet.2023.216589. Epub 2023 Dec 12. 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. Isidoro C, Teng Y. Editorial: Metabolome in gastrointestinal cancer. *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>
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. Ho CT, Wu MS, Panyod S, Chang AC, Isidoro C, Sheen LY. Editorial: Gut microbiota and health. *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>.
165. Nadhan R, Isidoro C, Song YS, Dhanasekaran DN. Signaling by LncRNAs: Structure, Cellular Homeostasis, and Disease Pathology. *Cells*. 2022 Aug 13;11(16):2517. doi: 10.3390/cells11162517.
164. Maheshwari C, Vidoni C, Titone R, Castiglioni A, Lora C, Follo C, **Isidoro C.** Isolation, Characterization, and Autophagy Function of BECN1-Splicing Isoforms in Cancer Cells. *Biomolecules* **2022**, 12,1069. <https://doi.org/10.3390/biom12081069>
163. Savio M, Ferraresi A, Corpina C, Vandenberghe S, Scarlata C, Sottile V, Morini L, Garavaglia B, **Isidoro C***, Stivala LA. Resveratrol and Its Analogue 4,4'-Dihydroxy-trans-stilbene Inhibit Lewis Lung Carcinoma Growth In Vivo through Apoptosis, Autophagy and Modulation of the Tumour Microenvironment in a Murine Model. *Biomedicines*. 2022 Jul 25;10(8):1784. doi: 10.3390/biomedicines10081784.
162. Teodori L, Osimani B, Isidoro C, Ramakrishna S. Mass versus personalized medicine against COVID-19 in the "system sciences" era. *Cytometry A*. 2022 Jun 18. doi: 10.1002/cyto.a.24662.
161. Garavaglia B, Vallino L, Ferraresi A, Esposito A, Salwa A, Vidoni C, Gentilli S, **Isidoro C.** Butyrate Inhibits Colorectal Cancer Cell Proliferation through Autophagy Degradation of β -Catenin Regardless of *APC* and β -Catenin Mutational Status. *Biomedicines*. 2022 May 13;10(5):1131. doi: 10.3390/biomedicines10051131.
160. Esposito A, Ferraresi A, Salwa A, Vidoni C, Dhanasekaran DN, **Isidoro C.** Resveratrol Contrasts IL-6 Pro-Growth Effects and Promotes Autophagy-Mediated Cancer Cell Dormancy in 3D Ovarian Cancer: Role of miR-1305 and of Its Target ARH-I. *Cancers* (Basel). 2022 Apr 25;14(9):2142. doi: 10.3390/cancers14092142.
159. Secomandi E, Salwa A, Vidoni C, Ferraresi A, Follo C, **Isidoro C.** High Expression of the Lysosomal Protease Cathepsin D Confers Better Prognosis in Neuroblastoma Patients by Contrasting EGF-Induced Neuroblastoma Cell Growth. *Int J Mol Sci.* 2022 Apr 26;23(9):4782. doi: 10.3390/ijms23094782.

158. Isidoro C, Chiung-Fang Chang A, Sheen LY. Natural products as a source of novel drugs for treating SARS-CoV2 infection. *J Tradit Complement Med.* 2022 Jan;12(1):1-5. doi: 10.1016/j.jtcme.2022.02.001.
157. Canosa S, Mareschi K, Marini E, Carosso AR, Castiglia S, Rustichelli D, Ferrero I, Gennarelli G, Bussolati B, Nocifora A, Asnaghi V, Bergallo M, Isidoro C, Benedetto C, Revelli A, Fagioli F. A Novel Xeno-Free Method to Isolate Human Endometrial Mesenchymal Stromal Cells (E-MSCs) in Good Manufacturing Practice (GMP) Conditions. *Int J Mol Sci.* 2022 Feb 9;23(4):1931. doi: 10.3390/ijms23041931.
156. Chiara Vidoni, Alessandra Ferraresi, Andrea Esposito, Chinmay Maheshwari, Danny N. Dhanasekaran, Vincenzo Mollace, **Ciro Isidoro**. Calorie Restriction for Cancer Prevention and Therapy: Mechanisms, Expectations, and Efficacy. *J Cancer Prev* 26(4):224-236, December 30, 2021. <http://www.jcpjournal.org>. pISSN 2288-3649. eISSN 2288-3657. <https://doi.org/10.15430/JCP.2021.26.4.224>
155. Ha JH, Jayaraman M, Nadhan R, Kashyap S, Mukherjee P, Isidoro C, Song YS, Dhanasekaran DN. Unraveling Autocrine Signaling Pathways through Metabolic Fingerprinting in Serous Ovarian Cancer Cells. *Biomedicines.* 2021 Dec 16;9(12):1927. doi: 10.3390/biomedicines9121927.
154. Ferraresi A, Esposito A, Girone C, Vallino L, Salwa A, Ghezzi I, Thongchot S, Vidoni C, Dhanasekaran DN, **Isidoro C**. Resveratrol Contrasts LPA-Induced Ovarian Cancer Cell Migration and Platinum Resistance by Rescuing Hedgehog-Mediated Autophagy. *Cells.* 2021 Nov 17;10(11):3213. doi: 10.3390/cells10113213. PMID: 34831435
153. Ferrucci M, Biagioni F, Busceti CL, Vidoni C, Castino R, Isidoro C, Ryskalin L, Frati A, Puglisi-Allegra S, Fornai F. Inhibition of Autophagy In Vivo Extends Methamphetamine Toxicity to Mesencephalic Cell Bodies. *Pharmaceuticals (Basel).* 2021 Sep 29;14(10):1003. doi: 10.3390/ph14101003. PMID: 34681227 Free PMC article.
152. Vidoni C, Fuzimoto A, Ferraresi A, **Isidoro C**. Targeting autophagy with natural products to prevent SARS-CoV-2 infection. *J Tradit Complement Med.* 2021 Oct 14. doi: 10.1016/j.jtcme.2021.10.003. Online ahead of print. PMID: 34664025 Free PMC article. Review.
151. Rangsinth P, Duangjan C, Sillapachaiyaporn C, Isidoro C, Prasansuklab A, Tencomnao T. Caesalpinia mimosoides Leaf Extract Promotes Neurite Outgrowth and Inhibits BACE1 Activity in Mutant APP-Overexpressing Neuronal Neuro2a Cells. *Pharmaceuticals (Basel).* 2021 Sep 4;14(9):901. doi: 10.3390/ph14090901. PMID: 34577601 Free PMC article.
150. Ha JH, Jayaraman M, Yan M, Dhanasekaran P, Isidoro C, Song YS, Dhanasekaran DN. GNAi2/gip2-Regulated Transcriptome and Its Therapeutic Significance in Ovarian Cancer. *Biomolecules.* 2021 Aug 14;11(8):1211. doi: 10.3390/biom11081211. PMID: 34439877 Free PMC article.
149. Ha JH, Jayaraman M, Yan M, Dhanasekaran P, Isidoro C, Song YS, Dhanasekaran DN. Identification of GNA12-driven gene signatures and key signaling networks in ovarian cancer. *Oncol Lett.* 2021 Oct;22(4):719. doi: 10.3892/ol.2021.12980. Epub 2021 Aug 10. PMID: 34429759 Free PMC article.

148. Thongchot S, Vidoni C, Ferraresi A, Loilome W, Khuntikeo N, Sangkhamanon S, Titapun A, **Isidoro C***, Namwat N*. Cancer-Associated Fibroblast-Derived IL-6 Determines Unfavorable Prognosis in Cholangiocarcinoma by Affecting Autophagy-Associated Chemoresponse. *Cancers* (Basel). 2021 Apr 28;13(9):2134. doi: 10.3390/cancers13092134. PMID: 33925189 Free PMC article.
147. Salwa A, Ferraresi A, Chinthakindi M, Vallino L, Vidoni C, Dhanasekaran DN, **Isidoro C**. BECN1 and BRCA1 Deficiency Sensitizes Ovarian Cancer to Platinum Therapy and Confers Better Prognosis. *Biomedicines*. 2021 Feb 18;9(2):207. doi: 10.3390/biomedicines9020207. PMID: 33670664 Free PMC article.
146. Thongchot S, Jamjuntra P, Therasakvichya S, Warnnissorn M, Ferraresi A, Thuwajit P, **Isidoro C***, Thuwajit C*. Interleukin-8 released by cancer-associated fibroblasts attenuates the autophagy and promotes the migration of ovarian cancer cells. *Int J Oncol*. 2021 May;58(5):14. doi: 10.3892/ijo.2021.5194. Epub 2021 Mar 2. PMID: 33649784
145. Klionsky DJ, Abdel-Aziz AK, et al. Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition) *Autophagy*. 2021 Jan;17(1):1-382. doi: 10.1080/15548627.2020.1797280. Epub 2021 Feb 8. PMID: 33634751
144. Marty Pierre, Chatelain Brice, Lihoreau Thomas, Tissot Marion, Dirand Zélie, Humbert Philippe, Senez Clémence, Secomandi Eleonora, **Isidoro Ciro*** and Rolin Gwenaél *. Halofuginone regulates keloid fibroblast fibrotic response to TGF- β induction. *Biomed Pharmacother*. 2021 Jan 8;135:111182. doi: 10.1016/j.biopha.2020.111182. Online ahead of print. PMID: 33433355
143. Chiara Vidoni, Letizia Vallino, Alessandra Ferraresi, Eleonora Secomandi, Amreen Salwa, Menaka Chinthakindi, Alessandra Galetto, Danny N Dhanasekaran, **Ciro Isidoro*** Epigenetic Control of Autophagy in Gynecologic Tumors: Role of non-coding RNAs. *J Cancer & Metastasis Treatment* –2021;7:4.[10.20517/2394-4722.2020.95](https://doi.org/10.20517/2394-4722.2020.95)©
142. James Michael Brimson, Mani Iyer Prasanth, Ciro Isidoro, Monruedee Sukprasansap and Tewin Tencomnao. *Cleistocalyx nervosum* var. paniala seed extracts exhibit sigma-1 antagonist sensitive neuroprotective effects in PC12 cells and protect *C. elegans* from stress via the SKN-1/NRF-2 pathway. *Nutrition and Healthy Aging* Jan 2021, 6: 131 – 146, DOI 10.3233/NHA-200108. IOS Press
141. Marco Palminteri§, Nilesh Kumar Dhakar§, Alessandra Ferraresi§, Fabrizio Caldera, Chiara Vidoni, Francesco Trotta*, **Ciro Isidoro***, Cyclodextrin nanosponge for the GSH-mediated delivery of Resveratrol in human cancer cells. *Nanotheranostics*. 2021 Jan 21;5(2):197-212. doi: 10.7150/ntno.53888. eCollection 2021. PMID: 33564618 PMCID: PMC7868003
140. Ferraresi A, Girone C, Esposito A, Vidoni C, Vallino L, Secomandi E, Dhanasekaran DN, **Isidoro C**. How Autophagy Shapes the Tumor Microenvironment in Ovarian Cancer. *Front Oncol*. 2020 Dec 7;10:599915. doi: 10.3389/fonc.2020.599915. eCollection 2020. PMID: 33364196
139. Gomathinayagam R, Ha JH, Jayaraman M, Song YS, Isidoro C, Dhanasekaran DN. Chemopreventive and Anticancer Effects of Thymoquinone: Cellular and Molecular Targets. *J Cancer Prev*. 2020 Sep 30;25(3):136-151. doi: 10.15430/JCP.2020.25.3.136. PMID: 33033708

138. Elisa Robottil*, Fabio Quasso, Marcello Manfredi, Fabio Gosetti, Eleonora Mazzucco, **Ciro Isidoro***, Emilio Marengo. Determination by ICP-MS and multivariate data analysis of elemental urine excretion profile during the EDTA chelation therapy: a case study. *J Trace Elem Med Biol*. 2020 Aug 14;62:126608. doi: 10.1016/j.jtemb.2020.126608. Online ahead of print. PMID: 32853885
137. Fuzimoto AD, **Isidoro C**. The antiviral and coronavirus-host protein pathways inhibiting properties of herbs and natural compounds - Additional weapons in the fight against the COVID-19 pandemic? *J Tradit Complement Med*. 2020 May 30;10(4):405-419. Review. doi:10.1016/j.jtcme.2020.05.003. eCollection 2020 Jul. PMID: 32691005 Free PMC article.
136. Vallino L, Ferraresi A, Vidoni C, Secomandi E, Esposito A, Dhanasekaran DN, **Isidoro C**. Modulation of non-coding RNAs by resveratrol in ovarian cancer cells: In silico analysis and literature review of the anti-cancer pathways involved. *J Tradit Complement Med*. 2020 Mar 4;10(3):217-229. doi: 10.1016/j.jtcme.2020.02.006. eCollection 2020 May. PMID: 32670816 Free PMC article.
135. Ha JH, Jayaraman M, Radhakrishnan R, Gomathinayagam R, Yan M, Song YS, Isidoro C, Dhanasekaran DN. Differential effects of thymoquinone on lysophosphatidic acid-induced oncogenic pathways in ovarian cancer cells. *J Tradit Complement Med*. 2020 Apr 12;10(3):207-216. doi: 10.1016/j.jtcme.2020.04.001. eCollection 2020 May. PMID: 32670815 Free PMC article.
134. **Isidoro C**. Nutraceuticals and diet in human health and disease. The special issue at a glance. *J Tradit Complement Med*. 2020 Jul 6;10(3):175-179. doi: 10.1016/j.jtcme.2020.06.002. eCollection 2020 May. PMID: 32670811 Free PMC article.
133. Resende R, Ferreira-Marques M, Moreira P, Coimbra JRM, Baptista SJ, Isidoro C, Salvador JAR, Dinis TCP, Pereira CF, Santos AE. New BACE1 Chimeric Peptide Inhibitors Selectively Prevent A β PP β Cleavage Decreasing Amyloid- β Production and Accumulation in Alzheimer's Disease Models. *J Alzheimers Dis*. 2020 Jun 22. doi: 10.3233/JAD-200381. PMID: 32597812
132. Salehi R, Mazier HL, Nivet AL, Reunov AA, Lima P, Wang Q, Fiocco A, **Isidoro C***, Tsang BK*. Ovarian mitochondrial dynamics and cell fate regulation in an androgen-induced rat model of polycystic ovarian syndrome. *Sci Rep*. 2020 Jan 23;10(1):1021. doi: 10.1038/s41598-020-57672-w. PubMed PMID: 31974436; PubMed Central PMCID: PMC6978404.
131. Wilairat Kankuan, Chaitip Wanichanonl*, Federica Morani, Sirorat Thongrod, Rossella Titone, Tanapan Siangcham, Matilde Masini, Michela Novelli, Prasert Sobhonl, **Ciro Isidoro***. Starvation Promotes Autophagy-Associated Maturation of the Testis in the Giant Freshwater Prawn, *Macrobrachium rosenbergii*. *Front. Physiol*. 10:1219. doi: 10.3389/fphys.2019.01219.
130. Vidoni C, Ferraresi A, Secomandi E, Vallino L, Gardin C, Zavan B, Mortellaro C, **Isidoro C**. Autophagy drives osteogenic differentiation of human gingival mesenchymal stem cells. *Cell Commun Signal*. 2019 Aug 19;17(1):98. doi:10.1186/s12964-019-0414-7. PubMed PMID: 31426798.
129. Seca C, Ferraresi A, Phadngam S, Vidoni C, **Isidoro C**. Autophagy-dependent toxicity of amino-functionalized nanoparticles in ovarian cancer cells. *J Mater Chem B*. 2019 (Aug 14), 7, 5376 – 5391, doi: 10.1039/c9tb00935c. [Epub ahead of print] PubMed PMID: 31410434.
128. Suyanee Thongchot, Malinee Thanee, Watcharin Loilome, Anchalee Techasen, Thidarat Boonmars, Prakasit Sa Ngiamwibool, Attapol Titapun, Puangrat Yongvanit, **Ciro Isidoro***, Nisana

Namwat* Curative effect of xanthohumol supplementation during liver fluke-associated cholangiocarcinogenesis: Potential involvement of autophagy. J Tradit Complem Medicine 2019, <https://doi.org/10.1016/j.jtcme.2019.02.001>

127. F Carniato, D Alberti, A Lapadula, J Martinelli, C Isidoro, SG Crich, L Tei. Multifunctional Gd-based mesoporous silica nanotheranostic for anticancer drug delivery. Journal of Materials Chemistry B, 2019, 7, 3143 - 3152 DOI: 10.1039/c9tb00375d

126. Vidoni C, Ferraresi A, Secomandi E, Vallino L, Dhanasekaran DN, Isidoro C. Epigenetic Targeting of Autophagy for Cancer Prevention and Treatment by Natural Compounds. Semin Cancer Biol. 2019 May 2. pii: S1044-579X(19)30010-0. doi:10.1016/j.semcancer.2019.04.006. [Epub ahead of print] Review. PubMed PMID:31054926.

125. Follo C, Vidoni C, Morani F, Ferraresi A, Seca C, Isidoro C*. Amino acid response by Halofuginone in Cancer cells triggers autophagy through proteasome degradation of mTOR. Cell Commun Signal. 2019 May 2;17(1):39. doi:10.1186/s12964-019-0354-2. PubMed PMID:31046771.

124. Radhakrishnan R, Ha JH, Jayaraman M, Liu J, Moxley KM, Isidoro C, Sood AK, Song YS, Dhanasekaran DN. Ovarian cancer cell-derived lysophosphatidic acid induces glycolytic shift and cancer-associated fibroblast-phenotype in normal and peritumoral fibroblasts. Cancer Lett. 2019 Feb 1;442:464-474. doi:10.1016/j.canlet.2018.11.023. Epub 2018 Nov 29. PubMed PMID: 30503552.

123. Sutin Wansawat, Mani Iyer Prasanth, Ciro Isidoro, Tewin Tencomnao. Mucuna pruriens Seed Extract Promotes Neurite Outgrowth via TEN-4 Dependent and Independent Mechanisms in NEURO2A Cells. December 2018 Sains Malaysiana 47(12):3009-3015. DOI: 10.17576/jsm-2018-4712-10

122. Vidoni C, Ferraresi A, Seca C, Secomandi E, Isidoro C*. Methods for Monitoring Macroautophagy in Pancreatic Cancer Cells. Methods Mol Biol. 2019;1882:197-206. doi: 10.1007/978-1-4939-8879-2_18. PubMed PMID: 30378056.

121. Thongchot S, Vidoni C, Ferraresi A, Loilome W, Yongvanit P, Namwat N*, Isidoro C*. Dihydroartemisinin induces apoptosis and autophagy-dependent cell death in cholangiocarcinoma through a DAPK1-BECLIN1 pathway. Mol Carcinog. 2018 Aug 22. doi: 10.1002/mc.22893. [Epub ahead of print] PubMed PMID: 30136419.

120. Sirorat Thongrod, Chaitip Wanichanon, Wilairat Kankuan, Tanapan Siangcham, Suratchanee Phadngam, Federica Morani, Ciro Isidoro*, Prasert Sobhon*. Autophagy-associated shrinkage of the hepatopancreas in fasting male Macrobrachium rosenbergii is rescued by Neuropeptide F. Front. Physiol., 24 May 2018 | <https://doi.org/10.3389/fphys.2018.00613>

119. Thongchot S, Ferraresi A, Vidoni C, Loilome W, Yongvanit P, Namwat N, Isidoro C. Resveratrol interrupts the pro-invasive communication between cancer associated fibroblasts and cholangiocarcinoma cells. Cancer Lett. 2018 May 23;430:160-171. doi:10.1016/j.canlet.2018.05.031. [Epub ahead of print] PubMed PMID: 29802929.

118. Ji Hee Ha, Rangasudhagar Radhakrishnan, Muralidharan Jayaraman, Mingda Yan, Jeremy Ward, Kar-Ming Fung, Katherine Moxley, Anil Sood, Ciro Isidoro, Priyabrata Mukherjee, Yong Sang Song, Danny N. Dhanasekaran. LPA Induces Metabolic Reprogramming in Ovarian Cancer

via Pseudohypoxic Response. *Cancer Res.* 2018 Apr 15;78(8):1923-1934. doi: 10.1158/0008-5472.CAN-17-1624. Epub 2018 Jan 31, PubMed PMID:29386184

117. Chanitra Thuwajit, Alessandra Ferraresi, Rossella Titone, Peti Thuwajit, **Ciro Isidoro**. The metabolic cross-talk between epithelial cancer cells and stromal fibroblasts in ovarian cancer progression: autophagy plays a role. *Med Res Rev.* 2017 Sep 19. doi:10.1002/med.21473. [Epub ahead of print] Review. PubMed PMID: 28926101.

116. Ferraresi A, Titone R, Follo C, Castiglioni A, Chiorino G, Dhanasekaran DN, **Isidoro C**. The protein restriction mimetic Resveratrol is an autophagy inducer stronger than amino acid starvation in ovarian cancer cells. *Mol Carcinog.* 2017 Aug 30. doi: 10.1002/mc.22711. [Epub ahead of print] PubMed PMID: 28856729.

115. Natapol Duangtum, Mutita Junking, Suratchanee Phadngam, Nunghathai Sawasdee, Andrea Castiglioni, Komgrid Charngkaew, Thawornchai Limjindaporn, **Ciro Isidoro*** and Pa-thai Yenchitsomanus*. γ COPI mediates the retention of kAE1 G701D protein in Golgi apparatus – a mechanistic explanation of distal renal tubular acidosis. *Biochem J.* 2017 Jul 17;474(15):2573-2584. doi: 10.1042/BCJ20170088. PMID: 28646128

114. Vidoni C, Secomandi E, Castiglioni A, Melone MAB, **Isidoro C**. Resveratrol protects neuronal-like cells expressing mutant Huntingtin from dopamine toxicity by rescuing ATG4-mediated autophagosome formation. *Neurochem Int.* 2017 May 19. pii: S0197-0186(17)30243-7. doi: 10.1016/j.neuint.2017.05.013. [Epub ahead of print] PubMed PMID: 28532681.

113. Kankuan W, Wanichanon C, Titone R, Engsusophon A, Sumpownon C, Suphamungmee W, Morani F, Masini M, Novelli M, **Isidoro C***, Sobhon P*. Starvation Promotes Autophagy-Associated Maturation of the Ovary in the Giant Freshwater Prawn, *Macrobrachium rosenbergii*. *Front Physiol.* 2017 May 12;8:300. doi:10.3389/fphys.2017.00300. eCollection 2017. PubMed PMID: 28553234; PubMed Central, PMCID: PMC5427116.

112. Huang CC, **Isidoro C**. Raman Spectrometric Detection Methods for Early and Non-Invasive Diagnosis of Alzheimer's Disease. *J Alzheimers Dis.* 2017 Mar 18. doi: 10.3233/JAD-161238. [Epub ahead of print] PubMed PMID: 28304304.

111. Ferraresi A, Phadngam S, Morani F, Galetto A, Alabiso O, Chiorino G, **Isidoro C**. Resveratrol inhibits IL-6-induced ovarian cancer cell migration through epigenetic up-regulation of autophagy. *Mol Carcinog.* 2017 Mar;56(3):1164-1181. doi: 10.1002/mc.22582. Epub 2016 Nov 3. PubMed PMID: 27787915.

110. Chiara Vidoni, Andrea Castiglioni, Christian Seca, Eleonora Secomandi, Mariarosa A.B. Melone and **Ciro Isidoro**. Dopamine exacerbates mutant Huntingtin toxicity via oxidative-mediated inhibition of autophagy in SH-SY5Y neuroblastoma cells: beneficial effects of anti-oxidant therapeutics. *Neurochem Int.* 2016 Dec;101:132-143. doi:10.1016/j.neuint.2016.11.003. PubMed PMID: 27840125

109. Suratchanee Phadngam-Andrea Castiglioni, Alessandra Ferraresi, Federica Morani, Carlo Follo, **Ciro Isidoro**. PTEN dephosphorylates AKT to prevent the expression of GLUT1 on plasmamembrane and to limit glucose consumption in cancer cells. *Oncotarget.* 2016 Nov 4. doi:10.18632/oncotarget.13113. [Epub ahead of print] PubMed PMID: 27829222.

108: Saowaros Suwansa-ard , Wilairat Kankuan, Tipsuda Thongbuakaew, Jirawat Saetan, Napamanee Kornthong, Thanapong Kruangkum, Kanjana Khornchatri, Scott F. Cummins, **Ciro**

Isidoro*, Prasert Sobhon*. Transcriptomic analysis of the autophagy machinery in crustaceans: homology to human autophagy. BMC Genomics. 2016 Aug 9;17:587. doi:10.1186/s12864-016-2996-4. PubMed PMID: 27506197; PubMed Central PMCID:PMC4979118.

107: Fortini P, Iorio E, Dogliotti E, Isidoro C. Coordinated Metabolic Changes and Modulation of Autophagy during Myogenesis. Front Physiol. 2016 Jun 16;7:237. doi:10.3389/fphys.2016.00237. eCollection 2016. PubMed PMID: 27378945; PubMed Central PMCID: PMC4909729.

106: Pascucci B, D'Errico M, Romagnoli A, De Nuccio C, Savino M, Pietraforte D, Lanzafame M, Calcagnile AS, Fortini P, Baccarini S, Orioli D, Degan P, Visentin S, Stefanini M, Isidoro C, Fimia GM, Dogliotti E. Overexpression of parkin rescues the defective mitochondrial phenotype and the increased apoptosis of Cockayne Syndrome A cells. Oncotarget. 2016 Jun 9. doi: 10.18632/oncotarget.9913. PubMed PMID: 27303919.

105: Vidoni C, Follo C, Savino M, Melone MA, Isidoro C. The Role of Cathepsin D in the Pathogenesis of Human Neurodegenerative Disorders. Med Res Rev. 2016 Apr 26. doi: 10.1002/med.21394. [Epub ahead of print] Review. PubMed PMID: 27114232.

104: Fortini P, Ferretti C, Iorio E, Cagnin M, Garribba L, Pietraforte D, Falchi M, Pascucci B, Baccarini S, Morani F, Phadngam S, De Luca G, Isidoro C*, Dogliotti E*. The fine tuning of metabolism, autophagy and differentiation during in vitro myogenesis. Cell Death Dis. 2016 Mar 31;7:e2168. doi: 10.1038/cddis.2016.50. PubMed PMID: 27031965; PubMed Central PMCID: PMC4823951.

103: Isidoro C, Huang CC, Sheen LY. Publishing scientifically sound papers in Traditional and Complementary Medicine. J Tradit Complement Med. 2016 Jan 16;6(1):1-4. doi: 10.1016/j.jtcme.2015.12.005. eCollection 2016 Jan. PubMed PMID:26933641; PubMed Central PMCID: PMC4765763.

102: Isidoro C, Huang CC, Sheen LY. Report from the Second International Conference of Traditional and Complementary Medicine on Health 2015. J Tradit Complement Med. 2016 Jan 16;6(1):5-9. doi: 10.1016/j.jtcme.2016.01.001. eCollection 2016 Jan. PubMed PMID: 26870692; PubMed Central PMCID: PMC4738037.

101: Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, (.....), Isidoro C, (.....), Zughaier SM. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy. 2016;12(1):1-222. doi: 10.1080/15548627.2015.1100356. Erratum in: Autophagy. 2016;12(2):443. Selliez, Iban [corrected to Seiliez, Iban]. PubMed PMID: 26799652; PubMed Central PMCID: PMC4835977.

100: Janda E*, Lascalea A, Carresi C, Parafati M, Aprigliano S, Russo V, Savoia C, Ziviani E, Musolino V, Morani F, Isidoro C*, Mollace V. Parkinsonian toxin-induced oxidative stress inhibits basal autophagy in astrocytes via NQO2/quinone oxidoreductase 2: Implications for neuroprotection. Autophagy. 2015;11(7):1063-80. doi: 10.1080/15548627.2015.1058683. PubMed PMID: 26046590; PubMed Central PMCID: PMC4590600.

99: Ciro Isidoro, Yong Sang Song, Young-Joon Surh, Danny N. Dhanasekaran. The second annual conference of International ovarian cancer consortium and the symposium on tumor microenvironment and therapeutic resistance. Genes Cancer. 2016 January; 7(1-2): 7–12. PMCID: PMC4773701

- 98: Carniato, F., Tei, L., Phadngam, S., **Isidoro, C***, and Botta, M*. NaGdF₄ Nanoparticles Coated with Functionalised Ethylenediaminetetraacetic Acid as Versatile Probes for Dual Optical and Magnetic Resonance Imaging. *ChemPlusChem*, (2015), 80: 503–510. doi: 10.1002/cplu.201402245
- 97: Parafati M, Lascalea A, Morittu VM, Trimboli F, Rizzuto A, Brunelli E, Coscarelli F, Costa N, Britti D, Ehrlich J, Isidoro C, Mollace V, Janda E. Bergamot polyphenol fraction prevents nonalcoholic fatty liver disease via stimulation of lipophagy in cafeteria diet-induced rat model of metabolic syndrome. *J Nutr Biochem*. 2015 Sep;26(9):938-48. doi:10.1016/j.jnutbio.2015.03.008. Epub 2015 Apr 28. PubMed PMID: 26025327.
- 96: Adewale OO, Brimson JM, Odunola OA, Gbadegesin MA, Owumi SE, **Isidoro C***, Tencomnao T*. The Potential for Plant Derivatives against Acrylamide Neurotoxicity. *Phytother Res*. 2015 Jul;29(7):978-85. doi: 10.1002/ptr.5353. Epub 2015 Apr 17. Review. PubMed PMID: 25886076.
- 95: Tang H, Sebti S, Titone R, Zhou Y, Isidoro C, Ross TS, Hibshoosh H, Xiao G, Packer M, Xie Y, Levine B. Decreased BECN1 mRNA Expression in Human Breast Cancer is Associated with Estrogen Receptor-Negative Subtypes and Poor Prognosis. *EBioMedicine*. 2015 Mar;2(3):255-263. PubMed PMID: 25825707; PubMed Central PMCID:PMC4376376.
- 94: Morani F, Phadngam S, Follo C, Titone R, Thongrakard V, Galetto A, Alabiso O, **Isidoro C**. PTEN deficiency and mutant p53 confer glucose-addiction to thyroid cancer cells: impact of glucose depletion on cell proliferation, cell survival, autophagy and cell migration. *Genes Cancer*. 2014 Jul;5(7-8):226-39. PubMed PMID: 25221641; PubMed Central PMCID: PMC4162142.
- 93: Valente G, Morani F, Nicotra G, Fusco N, Peracchio C, Titone R, Alabiso O, Arisio R, Katsaros D, Benedetto C, **Isidoro C**. Expression and clinical significance of the autophagy proteins BECLIN 1 and LC3 in ovarian cancer. *Biomed Res Int*. 2014;2014:462658. doi: 10.1155/2014/462658. Epub 2014 Jul 17. PubMed PMID: 25136588; PubMed Central PMCID: PMC4127242.
- 92: Morani F, Phadngam S, Follo C, Titone R, Aimaretti G, Galetto A, Alabiso O, **Isidoro C**. PTEN regulates plasma membrane expression of glucose transporter 1 and glucose uptake in thyroid cancer cells. *J Mol Endocrinol*. 2014 Oct;53(2):247-58. doi: 10.1530/JME-14-0118. Epub 2014 Aug 14. PubMed PMID: 25125078.
- 91: Thongrakard V, Titone R, Follo C, Morani F, Suksamrarn A, Tencomnao T, **Isidoro C**. Turmeric toxicity in A431 epidermoid cancer cells associates with autophagy degradation of anti-apoptotic and anti-autophagic p53 mutant. *Phytother Res*. 2014 Dec;28(12):1761-9. doi: 10.1002/ptr.5196. Epub 2014 Jul 11. PubMed PMID: 25044209.
- 90: Shuvayeva G, Bobak Y, Igumentseva N, Titone R, Morani F, Stasyk O, **Isidoro C**. Single amino acid arginine deprivation triggers prosurvival autophagic response in ovarian carcinoma SKOV3. *Biomed Res Int*. 2014;2014:505041. doi:10.1155/2014/505041. Epub 2014 Jun 1. PubMed PMID: 24987688; PubMed Central PMCID: PMC4058691.
- 89: Titone R, Morani F, Follo C, Vidoni C, Mezzanzanica D, **Isidoro C**. Epigenetic control of autophagy by microRNAs in ovarian cancer. *Biomed Res Int*. 2014;2014:343542. doi: 10.1155/2014/343542. Epub 2014 Apr 30. PubMed PMID:24877083; PubMed Central PMCID: PMC4022060.
- 88: C Vidoni, R Titone, F Morani, C Follo, **C Isidoro**. Epigenetic control of autophagy in cancer: the role of microRNAs. *Minerva Biotechnologica* 2014, 26 (2), 87-92

- 87: Morani F, Titone R, Pagano L, Galetto A, Alabiso O, Aimaretti G, Isidoro C. Autophagy and thyroid carcinogenesis: genetic and epigenetic links. *Endocr Relat Cancer*. 2013 Dec 16;21(1):R13-29. doi: 10.1530/ERC-13-0271. Print 2014 Feb. Review. PubMed PMID: 24163390.
- 86: Thongrakard V, Ruangrunsi N, Ekkapongpisit M, Isidoro C*, Tencomnao T*. Protection from UVB Toxicity in Human Keratinocytes by Thailand Native Herbs Extracts. *Photochem Photobiol*. 2013 Aug 12. doi: 10.1111/php.12153. PubMed PMID: 23931284.
- 85: Follo C, Ozzano M, Montalenti C, Santoro MM, Isidoro C. Knockdown of cathepsin D in zebrafish fertilized eggs determines congenital myopathy. *Biosci Rep*. 2013 Apr 4;33(2):e00034. doi: 10.1042/BSR20120100. PubMed PMID: 23464837; PubMed Central PMCID: PMC3616520.
- 84: Follo C, Ozzano M, Montalenti C, Ekkapongpisit M, Isidoro C. Similarities and differences in the biogenesis, processing and lysosomal targeting between zebrafish and human pro-Cathepsin D: functional implications. *Int J Biochem Cell Biol*. 2013 Feb;45(2):273-82. doi: 10.1016/j.biocel.2012.10.010. Epub 2012 Oct 27. PubMed PMID: 23107604.
- 83: Peracchio C, Alabiso O, Valente G, Isidoro C. Involvement of autophagy in ovarian cancer: a working hypothesis. *J Ovarian Res*. 2012 Sep 13;5(1):22. doi:10.1186/1757-2215-5-22. PubMed PMID: 22974323; PubMed Central PMCID: PMC3506510.
- 82: Klionsky DJ, Abdalla FC, Abeliovich H, Abraham RT, Acevedo-Arozena A, (.....), Isidoro C, (.....), Zuckerbraun B. Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*. 2012 Apr;8(4):445-544. PubMed PMID: 22966490; PubMed Central PMCID:PMC3404883.
- 81: Ekkapongpisit M, Giovia A, Follo C, Caputo G, Isidoro C. Biocompatibility, endocytosis, and intracellular trafficking of mesoporous silica and polystyrene nanoparticles in ovarian cancer cells: effects of size and surface charge groups. *Int J Nanomedicine*. 2012;7:4147-58. doi: 10.2147/IJN.S33803. Epub 2012 Jul 31. PubMed PMID: 22904626; PubMed Central PMCID: PMC3418080.
- 80: Janda E, Isidoro C, Carresi C, Mollace V. Defective autophagy in Parkinson's disease: role of oxidative stress. *Mol Neurobiol*. 2012 Dec;46(3):639-61. doi:10.1007/s12035-012-8318-1. Epub 2012 Aug 17. Review. PubMed PMID: 22899187.
- 79: Cagnin M, Ozzano M, Bellio N, Fiorentino I, Follo C, Isidoro C. Dopamine induces apoptosis in APP^{swe}-expressing Neuro2A cells following Pepstatin-sensitive proteolysis of APP in acid compartments. *Brain Res*. 2012 Aug 30;1471:102-17. doi: 10.1016/j.brainres.2012.06.025. Epub 2012 Jul 6. PubMed PMID: 22771396.
- 78: Fortini P, Ferretti C, Pascucci B, Narciso L, Pajalunga D, Puggioni EM, Castino R, Isidoro C, Crescenzi M, Dogliotti E. DNA damage response by single-strand breaks in terminally differentiated muscle cells and the control of muscle integrity. *Cell Death Differ*. 2012 Nov;19(11):1741-9. doi:10.1038/cdd.2012.53. Epub 2012 Jun 15. PubMed PMID: 22705848; PubMed Central PMCID: PMC3469061.
- 77: Ekkapongpisit M, Giovia A, Nicotra G, Ozzano M, Caputo G, Isidoro C. Labeling and exocytosis of secretory compartments in RBL mastocytes by polystyrene and mesoporous silica nanoparticles. *Int J Nanomedicine*. 2012;7:1829-40. doi:10.2147/IJN.S29034. Epub 2012 Apr 4. PubMed PMID: 22605932; PubMed Central PMCID:PMC3352688.

- 76: Morani F, Pagano L, Prodam F, Aimaretti G, **Isidoro C**. Loss of expression of the oncosuppressor PTEN in thyroid incidentalomas associates with GLUT1 plasmamembrane expression. *Panminerva Med*. 2012 Jun;54(2):59-63. PubMed PMID:22525560.
- 75: Panyasrivanit M, Greenwood MP, Murphy D, Isidoro C, Auewarakul P, Smith DR. Induced autophagy reduces virus output in dengue infected monocytic cells. *Virology*. 2011 Sep 15;418(1):74-84. doi: 10.1016/j.virol.2011.07.010. Epub 2011 Aug 2. PubMed PMID: 21813150.
- 74: Follo C, Ozzano M, Mugoni V, Castino R, Santoro M, **Isidoro C**. Knock-down of cathepsin D affects the retinal pigment epithelium, impairs swim-bladder ontogenesis and causes premature death in zebrafish. *PLoS One*. 2011;6(7):e21908. doi: 10.1371/journal.pone.0021908. Epub 2011 Jul 1. PubMed PMID: 21747967; PubMed Central PMCID: PMC3128622.
- 73: R Veneroni, C Peracchio, R Castino, **C Isidoro** Patented biomarkers for the early detection of ovarian cancer *Recent Patents on Biomarkers* 2011, 1 (1), 1-9
- 72: Castino R, Fiorentino I, Cagnin M, Giovia A, **Isidoro C**. Chelation of lysosomal iron protects dopaminergic SH-SY5Y neuroblastoma cells from hydrogen peroxide toxicity by precluding autophagy and Akt dephosphorylation. *Toxicol Sci*. 2011 Oct;123(2):523-41. doi: 10.1093/toxsci/kfr179. Epub 2011 Jul 8. PubMed PMID:21742779; PubMed Central PMCID: PMC3218672.
- 71: Pagano L, Samà MT, Morani F, Prodam F, Rudoni M, Boldorini R, Valente G, Marzullo P, Baldelli R, Appetecchia M, Isidoro C, Aimaretti G. Thyroid incidentaloma identified by ¹⁸F-fluorodeoxyglucose positron emission tomography with CT (FDG-PET/CT): clinical and pathological relevance. *Clin Endocrinol (Oxf)*. 2011 Oct;75(4):528-34. doi: 10.1111/j.1365-2265.2011.04107.x. PubMed PMID:21575027.
- 70: Castino R, Pucer A, Veneroni R, Morani F, Peracchio C, Lah TT, **Isidoro C**. Resveratrol reduces the invasive growth and promotes the acquisition of a long-lasting differentiated phenotype in human glioblastoma cells. *J Agric Food Chem*. 2011 Apr 27;59(8):4264-72. doi:10.1021/jf104917q. Epub 2011 Mar 11. PubMed PMID: 21395220.
- 69: Nicotra G, Castino R, Follo C, Peracchio C, Valente G, **Isidoro C**. The dilemma: does tissue expression of cathepsin D reflect tumor malignancy? The question: does the assay truly mirror cathepsin D mis-function in the tumor? *Cancer Biomark*. 2010;7(1):47-64. doi: 10.3233/CBM-2010-0143. Review. PubMed PMID:21045264.
- 68: Nicotra G, Manfroi F, Follo C, Castino R, Fusco N, Peracchio C, Kerim S, Valente G, **Isidoro C**. High expression of cathepsin D in non-Hodgkin's lymphomas negatively impacts on clinical outcome. *Dis Markers*. 2010;28(3):167-83. doi:10.3233/DMA-2010-0698. PubMed PMID: 20534902; PubMed Central PMCID: PMC3833244.
- 67: Castino R, Bellio N, Follo C, Murphy D, **Isidoro C**. Inhibition of PI3k class III-dependent autophagy prevents apoptosis and necrosis by oxidative stress in dopaminergic neuroblastoma cells. *Toxicol Sci*. 2010 Sep;117(1):152-62. doi:10.1093/toxsci/kfq170. Epub 2010 Jun 4. PubMed PMID: 20525898.
- 66: Nicotra G, Mercalli F, Peracchio C, Castino R, Follo C, Valente G, **Isidoro C**. Autophagy-active beclin-1 correlates with favourable clinical outcome in non-Hodgkin lymphomas. *Mod Pathol*. 2010 Jul;23(7):937-50. doi:10.1038/modpathol.2010.80. Epub 2010 May 14. PubMed PMID: 20473282.

- 65: Pietronave S, Forte G, Locarno D, Merlin S, Zamperone A, Nicotra G, Isidoro C, Nardo PD, Prat M. Agonist monoclonal antibodies against HGF receptor protect cardiac muscle cells from apoptosis. *Am J Physiol Heart Circ Physiol*. 2010 Apr;298(4):H1155-65. doi: 10.1152/ajpheart.01323.2008. Epub 2010 Jan 8. PubMed PMID: 20061536.
- 64: Pucer A, Castino R, Mirković B, Falnoga I, Slejkovec Z, Isidoro C, Lah TT. Differential role of cathepsins B and L in autophagy-associated cell death induced by arsenic trioxide in U87 human glioblastoma cells. *Biol Chem*. 2010 May;391(5):519-31. doi: 10.1515/BC.2010.050. PubMed PMID: 20302512.
- 63: Gianotti E, Bertolino CA, Benzi C, Nicotra G, Caputo G, Castino R, Isidoro C, Coluccia S. Photoactive hybrid nanomaterials: indocyanine immobilized in mesoporous MCM-41 for "in-cell" bioimaging. *ACS Appl Mater Interfaces*. 2009 Mar;1(3):678-87. doi: 10.1021/am800196r. PubMed PMID: 20355990.
- 62: Valente G, Nicotra G, Arrondini M, Castino R, Capparuccia L, Prat M, Kerim S, Tamagnone L, Isidoro C. Co-expression of plexin-B1 and Met in human breast and ovary tumours enhances the risk of progression. *Cell Oncol*. 2009;31(6):423-36. doi: 10.3233/CLO-2009-0504. PubMed PMID: 19940359; PubMed Central PMCID: PMC4619042.
- 61: Isidoro C, Biagioni F, Giorgi FS, Fulceri F, Paparelli A, Fornai F. The role of autophagy on the survival of dopamine neurons. *Curr Top Med Chem*. 2009;9(10):869-79. Review. PubMed PMID: 19754403.
- 60: Pasquali L, Longone P, Isidoro C, Ruggieri S, Paparelli A, Fornai F. Autophagy, lithium, and amyotrophic lateral sclerosis. *Muscle Nerve*. 2009 Aug;40(2):173-94. doi: 10.1002/mus.21423. Review. PubMed PMID: 19609902.
- 59: Castino R, Peracchio C, Salini A, Nicotra G, Trincheri NF, Démoz M, Valente G, Isidoro C. Chemotherapy drug response in ovarian cancer cells strictly depends on a cathepsin D-Bax activation loop. *J Cell Mol Med*. 2009 Jun;13(6):1096-109. doi: 10.1111/j.1582-4934.2008.00435.x. Epub 2008 Jul 24. PubMed PMID: 18657225; PubMed Central PMCID: PMC4496106.
- 58: Pasquali L, Lazzeri G, Isidoro C, Ruggieri S, Paparelli A, Fornai F. Role of autophagy during methamphetamine neurotoxicity. *Ann N Y Acad Sci*. 2008 Oct;1139:191-6. doi: 10.1196/annals.1432.016. PubMed PMID: 18991864.
- 57: Castino R, Thepparit C, Bellio N, Murphy D, Isidoro C. Akt induces apoptosis in neuroblastoma cells expressing a C98X vasopressin mutant following autophagy suppression. *J Neuroendocrinol*. 2008 Oct;20(10):1165-75. doi:10.1111/j.1365-2826.2008.01769.x. Epub 2008 Jul 30. PubMed PMID: 18673414.
- 56: Castino R, Lazzeri G, Lenzi P, Bellio N, Follo C, Ferrucci M, Fornai F, Isidoro C. Suppression of autophagy precipitates neuronal cell death following low doses of methamphetamine. *J Neurochem*. 2008 Aug;106(3):1426-39. doi:10.1111/j.1471-4159.2008.05488.x. Epub 2008 May 19. PubMed PMID: 18489716.
- 55: Castino R, Delpal S, Bouguyon E, Demoz M, Isidoro C, Ollivier-Bousquet M. Prolactin promotes the secretion of active cathepsin D at the basal side of rat mammary acini. *Endocrinology*. 2008 Aug;149(8):4095-105. doi:10.1210/en.2008-0249. Epub 2008 Apr 17. PubMed PMID: 18420735; PubMed Central PMCID: PMC2488222.

- 54: Fornai F, Longone P, Ferrucci M, Lenzi P, Isidoro C, Ruggieri S, Paparelli A. Autophagy and amyotrophic lateral sclerosis: The multiple roles of lithium. *Autophagy*. 2008 May;4(4):527-30. Epub 2008 Mar 17. PubMed PMID: 18367867.
- 53: Hamano T, Gendron TF, Causevic E, Yen SH, Lin WL, Isidoro C, Deture M, Ko LW. Autophagic-lysosomal perturbation enhances tau aggregation in transfectants with induced wild-type tau expression. *Eur J Neurosci*. 2008 Mar;27(5):1119-30. doi:10.1111/j.1460-9568.2008.06084.x. Epub 2008 Feb 22. PubMed PMID: 18294209.
- 52: Fornai F, Longone P, Cafaro L, Kastsiuchenka O, Ferrucci M, Manca ML, Lazzeri G, Spalloni A, Bellio N, Lenzi P, Modugno N, Siciliano G, Isidoro C, Murri L, Ruggieri S, Paparelli A. Lithium delays progression of amyotrophic lateral sclerosis. *Proc Natl Acad Sci U S A*. 2008 Feb 12;105(6):2052-7. doi: 10.1073/pnas.0708022105. Epub 2008 Feb 4. Erratum in: *Proc Natl Acad Sci U S A*. 2008 Oct 21;105(42):16404-7. PubMed PMID: 18250315; PubMed Central PMCID:PMC2538879.
- 51: Trincheri NF, Follo C, Nicotra G, Peracchio C, Castino R, Isidoro C. Resveratrol-induced apoptosis depends on the lipid kinase activity of Vps34 and on the formation of autophagolysosomes. *Carcinogenesis*. 2008 Feb;29(2):381-9. Epub 2007 Nov 28. PubMed PMID: 18048384.
- 50: Follo C, Isidoro C. A fast and simple method for simultaneous mixed site-specific mutagenesis of a wide coding sequence. *Biotechnol Appl Biochem*. 2008 Feb;49(Pt 2):175-83. PubMed PMID: 17640176.
- 49: Erdmann S, Ricken A, Merkwitz C, Struman I, Castino R, Hummitzsch K, Gaunitz F, Isidoro C, Martial J, Spänzel-Borowski K. The expression of prolactin and its cathepsin D-mediated cleavage in the bovine corpus luteum vary with the estrous cycle. *Am J Physiol Endocrinol Metab*. 2007 Nov;293(5):E1365-77. Epub 2007 Sep 4. PubMed PMID: 17785503.
- 48: Castino R, Bellio N, Nicotra G, Follo C, Trincheri NF, Isidoro C. Cathepsin D-Bax death pathway in oxidative stressed neuroblastoma cells. *Free Radic Biol Med*. 2007 May 1;42(9):1305-16. Epub 2007 Jan 8. PubMed PMID: 17395004.
- 47: Follo C, Castino R, Nicotra G, Trincheri NF, Isidoro C. Folding, activity and targeting of mutated human cathepsin D that cannot be processed into the double-chain form. *Int J Biochem Cell Biol*. 2007;39(3):638-49. Epub 2006 Nov 25. PubMed PMID: 17188016.
- 46: Trincheri NF, Nicotra G, Follo C, Castino R, Isidoro C. Resveratrol induces cell death in colorectal cancer cells by a novel pathway involving lysosomal cathepsin D. *Carcinogenesis*. 2007 May;28(5):922-31. Epub 2006 Nov 20. PubMed PMID: 17116725.
- 45: Carini R, Trincheri NF, Alchera E, De Cesaris MG, Castino R, Splendore R, Albano E, Isidoro C. PI3K-dependent lysosome exocytosis in nitric oxide-preconditioned hepatocytes. *Free Radic Biol Med*. 2006 May 15;40(10):1738-48. Epub 2006 Feb 7. PubMed PMID: 16678013.
- 44: Valente G, Mamo C, Bena A, Prudente E, Cavaliere C, Kerim S, Nicotra G, Comino A, Palestro G, Isidoro C, Beatrice F. Prognostic significance of microvessel density and vascular endothelial growth factor expression in sinonasal carcinomas. *Hum Pathol*. 2006 Apr;37(4):391-400. Epub 2006 Feb 8. PubMed PMID: 16564912.

- 43: Valente G, Manfroi F, Peracchio C, Nicotra G, Castino R, Nicosia G, Kerim S, **Isidoro C**. cFLIP expression correlates with tumour progression and patient outcome in non-Hodgkin lymphomas of low grade of malignancy. *Br J Haematol*. 2006 Mar;132(5):560-70. PubMed PMID: 16445828.
- 42: Démoz M, Castino R, Follo C, Hasilik A, Sloane BF, **Isidoro C**. High yield synthesis and characterization of phosphorylated recombinant human procathepsin D expressed in mammalian cells. *Protein Expr Purif*. 2006 Jan;45(1):157-67. Epub 2005 Aug 19. PubMed PMID: 16242956.
- 41: Castino R, Davies J, Beaucourt S, Isidoro C, Murphy D. Autophagy is a prosurvival mechanism in cells expressing an autosomal dominant familial neurohypophyseal diabetes insipidus mutant vasopressin transgene. *FASEB J*. 2005 Jun;19(8):1021-3. Epub 2005 Mar 21. PubMed PMID: 15781609.
- 40: Castino R, Isidoro C, Murphy D. Autophagy-dependent cell survival and cell death in an autosomal dominant familial neurohypophyseal diabetes insipidus in vitro model. *FASEB J*. 2005 Jun;19(8):1024-6. Epub 2005 Mar 21. PubMed PMID:15781608.
- 39: Lkhider M, Castino R, Bouguyon E, Isidoro C, Ollivier-Bousquet M. Cathepsin D released by lactating rat mammary epithelial cells is involved in prolactin cleavage under physiological conditions. *J Cell Sci*. 2004 Oct 1;117(Pt 21):5155-64. PubMed PMID: 15456852.
- 38: Green SK, Francia G, Isidoro C, Kerbel RS. Antiadhesive antibodies targeting E-cadherin sensitize multicellular tumor spheroids to chemotherapy in vitro. *Mol Cancer Ther*. 2004 Feb;3(2):149-59. PubMed PMID: 14985455.
- 37: Carini R, Castino R, De Cesaris MG, Splendore R, Démoz M, Albano E, **Isidoro C**. Preconditioning-induced cytoprotection in hepatocytes requires Ca(2+)-dependent exocytosis of lysosomes. *J Cell Sci*. 2004 Mar 1;117(Pt 7):1065-77. Epub 2004 Feb 17. PubMed PMID:14970255.
- 36: Castino R, Démoz M, **Isidoro C**. Destination 'lysosome': a target organelle for tumour cell killing? *J Mol Recognit*. 2003 Sep-Oct;16(5):337-48. Review. PubMed PMID: 14523947.
- 35: Démoz M, Castino R, Cesaro P, Baccino FM, Bonelli G, **Isidoro C**. Endosomal-lysosomal proteolysis mediates death signalling by TNFalpha, not by etoposide, in L929 fibrosarcoma cells: evidence for an active role of cathepsin D. *Biol Chem*. 2002 Jul-Aug;383(7-8):1237-48. PubMed PMID: 12437111.
- 34: De Stefanis D, Reffo P, Bonelli G, Baccino FM, Sala G, Ghidoni R, Codogno P, **Isidoro C**. Increase in ceramide level alters the lysosomal targeting of cathepsin D prior to onset of apoptosis in HT-29 colon cancer cells. *Biol Chem*. 2002 Jun;383(6):989-99. PubMed PMID: 12222689.
- 33: Castino R, Pace D, Démoz M, Gargiulo M, Ariatta C, Raiteri E, **Isidoro C**. Lysosomal proteases as potential targets for the induction of apoptotic cell death in human neuroblastomas. *Int J Cancer*. 2002 Feb 20;97(6):775-9. PubMed PMID: 11857353.
- 32: Cesaro P, Raiteri E, Démoz M, Castino R, Baccino FM, Bonelli G, **Isidoro C**. Expression of protein kinase C beta1 confers resistance to TNFalpha- and paclitaxel-induced apoptosis in HT-29 colon carcinoma cells. *Int J Cancer*. 2001 Jul 15;93(2):179-84. PubMed PMID: 11410863.
- 31: Dragonetti A, Baldassarre M, Castino R, Démoz M, Luini A, Buccione R, **Isidoro C**. The lysosomal protease cathepsin D is efficiently sorted to and secreted from regulated secretory

compartments in the rat basophilic/mast cell line RBL. *J Cell Sci.* 2000 Sep;113 (Pt 18):3289-98. PubMed PMID: 10954426.

30: Baldassarre M, Dragonetti A, Marra P, Luini A, Isidoro C, Buccione R. Regulation of protein sorting at the TGN by plasma membrane receptor activation. *J Cell Sci.* 2000 Feb;113 (Pt 4):741-8. PubMed PMID: 10652266.

29: Démoz M, Castino R, Dragonetti A, Raiteri E, Baccino FM, Isidoro C. Transformation by oncogenic ras-p21 alters the processing and subcellular localization of the lysosomal protease cathepsin D. *J Cell Biochem.* 1999 Jun 1;73(3):370-8. PubMed PMID: 10321836.

28: Chiarpotto E, Domenicotti C, Paola D, Vitali A, Nitti M, Pronzato MA, Biasi F, Cottalasso D, Marinari UM, Dragonetti A, Cesaro P, Isidoro C, Poli G. Regulation of rat hepatocyte protein kinase C beta isoenzymes by the lipid peroxidation product 4-hydroxy-2,3-nonenal: A signaling pathway to modulate vesicular transport of glycoproteins. *Hepatology.* 1999 May;29(5):1565-72. PubMed PMID: 10216144.

27: Bening U, Castino R, Harth N, Isidoro C, Hasilik A. Lysosomal segregation of a mannose-rich glycoprotein imparted by the prosequence of myeloperoxidase. *J Cell Biochem.* 1998 Nov 1;71(2):158-68. PubMed PMID: 9779815.

26: Di Ianni F, Di Ianni G, Isidoro C, Migliorato L, Piersante S. On a case of "Macrodystrophia lipomatosa". *Eur Rev Med Pharmacol Sci.* 1997 Sep-Oct;1(5):173-6. PubMed PMID: 9630760.

25: Isidoro C, Baccino FM, Hasilik A. Human and hamster procathepsin D, although equally tagged with mannose-6-phosphate, are differentially targeted to lysosomes in transfected BHK cells. *Cell Tissue Res.* 1998 May;292(2):303-10. PubMed PMID:9560473.

24: Isidoro C, De Stefanis D, Démoz M, Ogier-Denis E, Codogno P, Baccino FM. Expression and posttranslational fate of cathepsin D in HT-29 tumor cells depend on their enterocytic differentiation state. *Cell Growth Differ.* 1997 Sep;8(9):1029-37. PubMed PMID: 9300184.

23: De Stefanis D, Démoz M, Dragonetti A, Hourri JJ, Ogier-Denis E, Codogno P, Baccino FM, Isidoro C. Differentiation-induced changes in the content, secretion, and subcellular distribution of lysosomal cathepsins in the human colon cancer HT-29 cell line. *Cell Tissue Res.* 1997 Jul;289(1):109-17. PubMed PMID: 9182605.

22: Isidoro C, Baccino FM, Hasilik A. Mis-sorting of procathepsin D in metastogenic tumor cells is not due to impaired synthesis of the phosphomannosyl signal. *Int J Cancer.* 1997 Mar 4;70(5):561-6. PubMed PMID: 9052756.

21: Isidoro C, Démoz M, De Stefanis D, Baccino FM, Hasilik A, Bonelli G. Differential targeting and processing of procathepsin D in normal and transformed murine 3T3 fibroblasts. *Int J Cancer.* 1997 Jan 27;70(3):310-4. PubMed PMID:9033633.

20: Isidoro C, Maggioni C, Demoz M, Pizzagalli A, Fra AM, Sitia R. Exposed thiols confer localization in the endoplasmic reticulum by retention rather than retrieval. *J Biol Chem.* 1996 Oct 18;271(42):26138-42. PubMed PMID: 8824258.

19: Isidoro C, Demoz M, De Stefanis D, Baccino FM, Bonelli G. Synthesis, maturation and extracellular release of procathepsin D as influenced by cell proliferation or transformation. *Int J Cancer.* 1995 Dec 11;63(6):866-71. PubMed PMID: 8847147.

- 18: Houri JJ, Ogier-Denis E, De Stefanis D, Bauvy C, Baccino FM, Isidoro C, Codogno P. Differentiation-dependent autophagy controls the fate of newly synthesized N-linked glycoproteins in the colon adenocarcinoma HT-29 cell line. *Biochem J*. 1995 Jul 15;309 (Pt 2):521-7. PubMed PMID: 7626015; PubMed Central PMCID: PMC1135762.
- 17: Ogier-Denis E, Bauvy C, Couvineau A, De Stefanis D, Isidoro C, Codogno P. Localization and processing of glycosylphosphatidylinositol anchored cathepsin D. *Biochem Biophys Res Commun*. 1995 Jun 26;211(3):935-42. PubMed PMID: 7598725.
- 16: Ogier-Denis E, Couvineau A, Maoret JJ, Houri JJ, Bauvy C, De Stefanis D, Isidoro C, Laburthe M, Codogno P. A heterotrimeric Gi3-protein controls autophagic sequestration in the human colon cancer cell line HT-29. *J Biol Chem*. 1995 Jan 6;270(1):13-6. PubMed PMID: 7814364.
- 15: Isidoro C, Demoz M, De Stefanis D, Mainferme F, Wattiaux R, Baccino FM. Altered intracellular processing and enhanced secretion of procathepsin D in a highly deviated rat hepatoma. *Int J Cancer*. 1995 Jan 3;60(1):61-4. PubMed PMID:7814153.
- 14: Isidoro C, Démoz M, De Stefanis D, Baccino FM, Bonelli G. High levels of proteolytic enzymes in the ascitic fluid and plasma of rats bearing the Yoshida AH-130 hepatoma. *Invasion Metastasis*. 1995;15(3-4):116-24. PubMed PMID: 8621267.
- 13: Isidoro C, De Stefanis D, Demoz M, Alessi D, Pignone E, Roccatello D. Effects of calcitriol on the biogenesis of a lysosomal protease in monocytes from patients with renal failure. *Nephron*. 1994;68(3):389. PubMed PMID: 7838268.
- 12: Roccatello D, Isidoro C, Mazzucco G, Mesiti A, Quattrocchio G, Amore A, Molino A, Coppo R, Sena LM, Piccoli G. Role of monocytes in cryoglobulinemia-associated nephritis. *Kidney Int*. 1993 May;43(5):1150-5. PubMed PMID: 8510395.
- 11: Roccatello D, D'Alfonso S, Peruccio D, Quattrocchio G, Cavalli G, Isidoro C, Piccoli G, Richiardi PM. Induction of mRNA for tumor necrosis factor alpha in hemodialysis. *Kidney Int Suppl*. 1993 Jan;39:S144-8. PubMed PMID: 8468917.
- 10: Roccatello D, Formica M, Cavalli G, Quattrocchio G, Aimo G, Polloni R, Amprimo MC, Molino A, Martina G, Isidoro C, et al. Serum and intracellular detection of cytokines in patients undergoing chronic hemodialysis. *Artif Organs*. 1992 Apr;16(2):131-40. PubMed PMID: 10078234.
- 9: Roccatello D, Picciotto G, Ropolo R, Coppo R, Quattrocchio G, Cacace G, Molino A, Amoroso A, Bacciga M, Isidoro C, et al. Kinetics and fate of IgA-IgG aggregates as a model of naturally occurring immune complexes in IgA nephropathy. *Lab Invest*. 1992 Jan;66(1):86-95. PubMed PMID: 1731150.
- 8: Isidoro C, Grässel S, Baccino FM, Hasilik A. Determination of the phosphorylation, uncovering of mannose 6-phosphate groups and targeting of lysosomal enzymes. *Eur J Clin Chem Clin Biochem*. 1991 Mar;29(3):165-71. Erratum in: *Eur J Clin Chem Clin Biochem* 1991 Apr;29(4):followi. PubMed PMID: 2070012.
- 7: Isidoro C, Horst M, Baccino FM, Hasilik A. Differential segregation of human and hamster cathepsin D in transfected baby-hamster kidney cells. *Biochem J*. 1991 Jan 15;273(Pt 2):363-7. PubMed PMID: 1991036; PubMed Central PMCID: PMC1149854.

- 6: Isidoro C, Radons J, Baccino FM, Hasilik A. Suppression of the 'uncovering' of mannose-6-phosphate residues in lysosomal enzymes in the presence of NH₄Cl. *Eur J Biochem*. 1990 Aug 17;191(3):591-7. PubMed PMID: 2167847.
- 5: Radons J, Isidoro C, Hasilik A. Brefeldin A prevents uncovering but not phosphorylation of the recognition marker in cathepsin D. *Biol Chem Hoppe Seyler*. 1990 Jul;371(7):567-73. PubMed PMID: 2222855.
- 4: Bonelli G, Kay J, Tessitore L, Jupp RA, Isidoro C, Norey CG, Autelli R, Richards AD, Baccino FM. Purification and properties of cathepsin D from rat Yoshida ascites hepatoma AH-130. *Biol Chem Hoppe Seyler*. 1988 May;369 Suppl:323-7. PubMed PMID: 3202970.
- 3: Baccino FM, Tessitore L, Bonelli G, Isidoro C. Protein turnover states of tumour cells and host tissues in an experimental model. *Biomed Biochim Acta*. 1986;45(11-12):1585-90. PubMed PMID: 3579877.
- 2: Tessitore L, Bonelli G, Isidoro C, Kazakova OV, Baccino FM. Comparative studies on protein turnover regulations in tumor cells and host tissues: development and analysis of an experimental model. *Toxicol Pathol*. 1986;14(4):451-6. Review. PubMed PMID: 3544167.
- 1: C Isidoro, M Musi, G Bonelli, L Tessitore, Ov Kazakova. Quantification of Cathepsin-D in Tissue-Extracts by improved One-Dimensional Immunoelectrophoresis-comparison with Radioimmunoassay. *IRCS Medical Science-Biochemistry* 1985, 13 (7), 599-600

BOOKS and BOOK CHAPTERS

16. Carlo Follo, Rossella Titone, Christian Seca, Uthman Walusimbi, Konul Rustamli, Alessandra Ferraresi, Ciro Isidoro. Molecular Imaging Of Macroautophagy In Mammalian Cells With Fluorescent Marker Chimeras in *Pancreatic Cancer: Methods and Protocols* Edited by Jungsun Kim, Springer Nature Publisher (New York Plaza, New York, US) in press

15. A Ferraresi, C Vidoni, C Isidoro. (2025) The Medicinal Properties of Resveratrol, a Polyphenol Component of the Thai Silkworms' Plant *Morus alba* (pp 54-71) in *Medicinal Properties and Molecular Mechanisms of Thai Traditional Herbs* (1st ed.). CRC Press. Taylor&Francis Group

14. JM Brimson, S Brimson, P Thitilertdech, T Tencomano, C Isidoro. (2025) A Brief History of Thai Traditional and Herbal Medicine (pp 1-10), in *Medicinal Properties and Molecular Mechanisms of Thai Traditional Herbs* (1st ed.). CRC Press. Taylor&Francis Group

13. Brimson, J., Tencomnao, T., & Isidoro, C. (Eds.). (2025). *Medicinal Properties and Molecular Mechanisms of Thai Traditional Herbs* (1st ed.). CRC Press. Taylor&Francis Group
<https://doi.org/10.1201/9781003508724>

12. Revathy Nadhan, Ciro Isidoro, Yong Sang Song, and Danny N. Dhanasekaran (2024) Long Non-coding RNAs in Cancer, Chapter 39, pages 773-817 in *Handbook of Oncobiology: From Basic to Clinical Sciences* (edited by R. C. Sobti, Nirmal K. Ganguly and Rakesh Kumar), Springer Nature Publisher.

11. Paolo Bellavite, Ciro Isidoro (2024). *Patologia Generale della proteina Spike*. Vanda Editrice.

10. Yong-Sang Song, Danny N. Dhanasekaran, Benjamin K Tsang, Johji Inazawa, Massoud Mirshahi, Marc Pocard, Ciro Isidoro (2024, Co-Editors) *Peritoneal tumor microenvironment on cancer hallmarks: Evolving perspectives of translational medicine*. Elsevier Publisher Paperback ISBN: 9780128240403; eBook ISBN: 9780128240410

9. Revathy Nadhan, Ciro Isidoro, Danny N. Dhanasekaran (2024). Clinical Significance of Peritoneal Cancers. In *Peritoneal tumor microenvironment on cancer hallmarks: Evolving perspectives of translational medicine*. Elsevier Publisher Paperback ISBN: 9780128240403; eBook ISBN: 9780128240410.

8. Beatrice Garavaglia, Letizia Vallino, Alessandra Ferraresi, Danny Dhanasekaran and Ciro Isidoro (2024). Tumor evolution during chemotherapy. In *Peritoneal tumor microenvironment on cancer hallmarks: Evolving perspectives of translational medicine*. Elsevier Publisher Paperback ISBN: 9780128240403; eBook ISBN: 9780128240410.

7. Chiara Vidoni, Alessandra Ferraresi, Christian Seca, Eleonora Secomandi, and Ciro Isidoro (2019) Methods for Monitoring Macroautophagy in Pancreatic Cancer Cells.

In *Pancreatic Cancer: Methods and Protocols, Methods in Molecular Biology*, vol. 1882, 3rd edition, Gloria H. Su (ed.) https://doi.org/10.1007/978-1-4939-8879-2_18, © Springer Science+Business Media, LLC, part of Springer Nature 2019.

6. Ann H. Erickson, Ciro Isidoro, Lukas Mach, John S. Mort (2014)

Cathepsins: Getting in Shape for Lysosomal Proteolysis (pp 127-173) in “*Proteases: Structure and Function*” (K Brix and W Stöcker Editors); Springer, Vienna; ISBN: 978-3-7091-0884-0 (Print) 978-3-7091-0885-7 (Online 2014)

5. R Castino, C Isidoro (2008).

The transport of soluble lysosomal hydrolases from the Golgi complex to lysosomes. *The Golgi Apparatus*, 402-413 (Springer Vienna, 2008)

4. C Isidoro, M Hummel, F Baccino, A Hasilik (1997).

The respective role of mannose-6-phosphate residues and of prosaposin in the segregation of lysosomal procathepsin D. *Proteolysis in cell function*, 234-241. (IOS Press Amsterdam, 1997)

3. C. Isidoro, A. Mesiti, G. Bonelli, L. Tessitore, A. Hasilik, F. M. Baccino (1989)

Synthesis and Secretion of Cathepsin D in Normal and Tumor Human Cells

Chemical Carcinogenesis 2: Modulating Factors (A Columbano, F Feo, R Pascale, P Pani Eds), Springer Science & Business Media (Pages 409-418)

2. Francesco Baccino, Luciana Tessitore, Gabriella Bonelli, Riccardo Autelli, Paola Costelli, Ciro Isidoro, Joseph S Amenta (1989).

Protein turnover regulations and mechanisms in neoplastic cells and host tissues. *Protein metabolism in aging* (HL Segal, ed., Alan R. Liss, New York 1989)

1. FM Baccino, R Autelli, G Bonelli, P Costelli, C Isidoro, L Tessitore (1988).

Regulation of Protein Degradation in Neoplastic Cells. *Chemical Carcinogenesis*, 525-533 (Springer US, 1988)

1st June 2025

Firma Prof. Ciro Isidoro

