

Ferraresi Alessandra

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EDUCATION

- **February 18, 2019** PhD in Medical Sciences and Biotechnology (XXXI cycle). PhD thesis entitled “Resveratrol Attenuates the Malignant Phenotype of Ovarian Cancer Cells via Epigenetic Regulation of Autophagy”. Scientific supervisor: Prof. Ciro Isidoro (Dept. Health Sciences, Laboratory of Molecular Pathology and Nanobioimaging).
- **June 2018** Advanced Scientific English course, level C1, ABES (American Business English School). Final score: 96/110.
- **December 2017** Scientific English Writing course, ABES (American Business English School). Final score: 99/110.
- **June 2014** State Exam: Biologist Professional Qualification (section A), Università di Parma. Final mark: 175/200.
- **March 27, 2014** Master’s Degree in Pharmaceutical Biotechnology, Università di Bologna, Italy. Graduation mark: 110/110 *cum laude*. Experimental thesis entitled “Potential role of SIRT1 in REST-regulated Histone H3 acetylation and apoptosis in medulloblastoma cell line DAOY”. Supervisor: Prof. S.M. Spampinato; co-supervisor: Dr. Monica Baiula (Dept. Pharmacy and Biotechnologies)”.
• **June 2012** Summer School “Chemical and genomics-based strategies in the discovery of novel drug targets”, Alma Mater Studiorum - University of Bologna, Department of Pharmacology.
- **September 29, 2011** Bachelor’s Degree in Biotechnology, Università di Parma, Italy. Graduation mark: 103/110. Experimental thesis entitled “Construction of single nucleotide mutants *sdh6* by homologous recombination in *Saccharomyces cerevisiae*”. Supervisor: Prof. Paola Goffrini; co-supervisor: Dr. Francesca Meloni (Dept. Genetics).
- **2008** Scientific High school Diploma, ITGS “B. Pascal” Reggio nell’Emilia, Italy. Final mark: 94/100.

RESEARCH EXPERIENCE

- **February 2023- to date** Post-Doctoral Research Fellowship recipient (MED/04) granted by Fondazione Umberto Veronesi (FUV, Italy).
- **December 2022-January 2023** Post-Doctoral Research Fellow (MED/04), Università del Piemonte Orientale – CAAD (Research Center for Autoimmune Diseases), Department of Health Sciences, Laboratory of Immunomics (Prof. Annalisa Chiocchetti’s Lab).
- **November 2022** Research Fellow, Università del Piemonte Orientale, Department of Health Sciences, Laboratory of Molecular Pathology.
- **February 2020-2022** Post-Doctoral Research Fellowship recipient “Paolina Troiano” (MED/04) granted by Associazione Italiana per la Ricerca sul Cancro (AIRC, Italy).
- **July 2017-August 2017** Visiting PhD student at Stephenson Cancer Center, The University of Oklahoma Health Sciences Center, 975 N.E. 10th Street, BRC West Oklahoma City, OK 73104, USA (Prof. Danny Dhanasekaran’s Lab).
- **November 2015- October 2018** PhD student in Medical Sciences and Biotechnology, Università del Piemonte Orientale, Department of Health Sciences, Novara, Italy (Prof. Ciro Isidoro’s Lab).
- **January 2015-October 2015** Research Fellow, Università del Piemonte Orientale, Department of Health Sciences, Laboratory of Molecular Pathology, Novara, Italy.
- **July 2014-December 2014** Postgraduate Internship, Università del Piemonte Orientale, Department of Health Sciences, Laboratory of Molecular Pathology (Supervisor: Prof. Ciro Isidoro).
- **2013-2014** MSc Internship, Department of Pharmacology, Università di Bologna (Supervisor: Prof. Santi Mario Spampinato).
- **2011** BSc Internship, Department of Genetics, University of Parma (Supervisor: Prof. Paola Goffrini).

PROFESSIONAL EXPERIENCE

Dissemination activities:

- **December 13, 2023** Ricercatori in classe 2023 - FUV Incontri con la Ricerca nelle Scuole. Seminario presso Istituto Superiore Carlo Alberto Liceo Classico / Liceo Linguistico – Baluardo La Marmora 14, 28100 Novara (NO).
- **November 20-22, 2023** Ricercatori in classe 2023 - FUV Incontri con la Ricerca nelle Scuole. Seminari presso Istituto di Istruzione Superiore San Lorenzo Liceo Scientifico / Scienze applicate – Baluardo La Marmora 8/c, 28100 Novara (NO).
- **October 27, 2023** Interview for Fondazione Veronesi magazine on the topic “Tumore ovarico: nuove strategie per superare la chemioresistenza”. Title: “Studiare il ruolo della proteina NKX3-2 nel rimodellamento del microambiente tumorale: la ricerca di Alessandra Ferraresi”.
- **June 6, 2023** Reportage entitled “La Fondazione Umberto Veronesi sostiene le ricercatrici UPO Alessandra Ferraresi e Laura Salvadori”
Link:<https://mediacentre.uniupo.it/it/news/fondazione-umberto-veronesi-sostiene-ricercatrici-upo-alessandra-ferraresi-laura-salvadori>
- **May 31, 2023** Press release at “La Voce di Novara” – “Fondazione Umberto Veronesi consegna una borsa di studio alla ricercatrice dell’Upo Alessandra Ferraresi”
Link:<https://www.lavocedinovara.com/attualita/fondazione-umberto-veronesi-consegna-una-borsa-di-studio-alla-ricercatrice-dellupo-alessandra-ferraresi/>
- **May 31, 2023** Press release at “La Stampa - Novara” - "La borsa di studio alla ricercatrice dalla Fondazione Veronesi"
Link:https://www.lastampa.it/novara/2023/05/31/news/la_borsa_di_studio_alla_ricercatrice_dalla_fondazione_veronesi-12834834/
- **2022-2023** Co-supervisor of didactical laboratory activities delivered to students of High school – “Piano Lauree Scientifiche, Laboratori Didattici QualunqueMENTE”, in collaborazione con l’Università del Piemonte Orientale.
- **May 7, 2021** Volunteer - Manifestazioni di Piazza “L’Azalea della Ricerca 2021”, Azienda Ospedaliero-Universitaria Maggiore della Carità, Novara.
- **January 14, 2021** Press release at “La Stampa - Novara” for "Promozione della ricerca in ambito oncologico svolta presso la Scuola di Medicina dell’Università del Piemonte Orientale"
Link:<https://www.lastampa.it/novara/2021/01/14/news/fondazioni-airc-e-veronesi-finanziano-gli-studi-di-quattro-ricercatrici-tutte-impegnate-nei-laboratori-all'avanguardia-del-centroipazia-di-novara-1.39772159>
- **January 11, 2021** Reportage entitled “Impulso alla ricerca dei Dipartimenti di eccellenza UPO grazie a Fondazione AIRC e Fondazione Umberto Veronesi”.
Link: https://multiblog.uniupo.it/news/scienza-e-ricerca/impulso-alla-ricerca-dei-dipartimentidi-Eccellenzaupograziefondazione?utm_source=sendinblue&utm_campaign=UPOnews_012021&utm_medium=email
- **November 27, 2020** Notte dei Ricercatori 2020 - Università del Piemonte Orientale. Video contribution: “Salve, sono SARS-CoV-2. Entro, mi faccio un giro, mi moltiplico e vado dal vicino!”. Authors: Chiara Vidoni, **Alessandra Ferraresi**, Eleonora Secomandi, Letizia Vallino, Ciro Isidoro.
Link: <https://www.youtube.com/watch?v=Yr9liohxu8E>
- **November 20, 2020** Interview at “Giornale di Arona” for "Promozione del tema della prevenzione nell’ambito delle Settimane della Ricerca AIRC".
- **November 4, 2020** I Giorni della Ricerca 2020 - AIRC Incontri con la Ricerca nelle Scuole. Incontro/videoconferenza (Didattica a Distanza) con l’Istituto di Istruzione Superiore Enrico Fermi Liceo Scientifico / Scienze applicate / Classico - Via Monte Nero, 15A, 28041 Arona (NO).

Conferences organization:

- **May 27-28 2024** Member of the Scientific organizing committee for the International workshop NO-Cancer 2024: from cancer cell biology to personalized therapy (Novara, Italy).
- **October 5-7, 2023** Member of the Scientific organizing committee for the 1st International Cancer Science Congress (ICSC 2023) – Personalized cancer care: from omics technologies to complementary medicine (Palermo, Italy).

- **May 22-23 2023** Member of the Scientific organizing committee for the International workshop NO-Cancer 2023: from cancer cell biology to personalized therapy (Novara, Italy).
- **September 28-30 2022** Member of the Scientific secretariat for the 6th Cancer World Congress (CWC 2022) – Personalized cancer diagnosis and therapy (Lisbon, Portugal).
- **September 23-25 2019** Member of the Scientific secretariat for the 3rd Cancer World Congress (CWC 2019) – New strategies to prevent, diagnose and treat Cancer based on Precision medicine (Prague, Czech Republic).

Editorial experience:

- **March 2024-to date** Member of the Editorial Board of *Innovative Medicines and Omics*.
- **January 2024-to date** Member of the Topical Advisory Panel for *Cancers (Tumor Microenvironment section)*.
- **January 2024-to date** Member of the Editorial Board of *Monocytomics*.
- **September 2023-to date** Member of the Editorial Board of *Diseases and Research*.
- **April 2023-to date** Member of the Editorial Board of *Frontiers in Cell and Developmental Biology (Cell Adhesion and Migration section)*.
- **November 2022-to date** Member of the Editorial Board of *Tumor Discovery*.
- **November 2022-May 2023** Guest Editor of the Special Issue "Autophagy in Cancer and Therapy Resistance" for *Cancer Drug Resistance*.
- **June 2022-to date** Junior Member of the Editorial Board of *Cancer Drug Resistance*.
- **May 2021-to date** Member of the Editorial Board of *Experimental and Therapeutic Medicine* and of *Dietary Supplements and Nutraceuticals*.
- **January 2021-to date** Reviewer for *Cancers, International Journal of Molecular Sciences, Cells, BMC Cancer, Experimental and Therapeutic Medicine, International Journal of Molecular Medicine, Molecular and Clinical Oncology, Molecular Medicine Reports*, others.

Teaching experience:

- **2022-2023** Mentor of three Master students's thesis, Corso di Laurea Magistrale in Biologia, Università del Piemonte Orientale.
- **2020-to date** Co-supervisor of Bachelor (Corso di Laurea in Biotecnologie e Scienze Biologiche) and Master (Corso di Laurea in Medical Biotechnologies e Biologia) student's thesis (overall 25 students), Università del Piemonte Orientale.
- **2019-to date** Cultore della materia in "Fondamenti di Patologia Generale e Immunologia" (SSD MED/04), Corso di Laurea in Scienze Biologiche, Vercelli, Italy.
- **2022-2023** Contract Professor - Course of "Fondamenti di Patologia Generale e Immunologia" (SSD MED/04 – 6 CFU), Università del Piemonte Orientale, Dipartimento di Scienze e Innovazione Tecnologica, Vercelli, Italy.
- **2020-to date** Cultore della materia in "Experimental Oncology" (SSD MED/04), Corso di Laurea in Medical Biotechnologies, Novara, Italy.
- **2021/2022** Contract Professor - Course of "Laboratorio di Patologia Cellulare e Molecolare" (SSD MED/04 – 6 CFU), Università del Piemonte Orientale, Dipartimento di Scienze e Innovazione Tecnologica, Vercelli, Italy.
- **2019/2020** Contract Professor – Course of "Elettroforesi di proteine, imaging e sua interpretazione" (1 CFU), Università del Piemonte Orientale, Dipartimento di Scienze della Salute, Corso di Laurea in Biotecnologie, Novara, Italy.
- **2018/2019** Contract Professor – Course of "Elettroforesi di proteine, imaging e sua interpretazione" (1 CFU), Università del Piemonte Orientale, Dipartimento di Scienze della Salute, Corso di Laurea in Biotecnologie, Novara, Italy.
- **2017/2018** Tutoring of the course "Laboratorio di Fondamenti di Patologia Generale e Immunologia" (SSD MED/04), Università del Piemonte Orientale, Dipartimento di Scienze e Innovazione Tecnologica, Corso di Laurea in Scienze Biologiche, Vercelli, Italy.
- **2016/2017** Tutoring of the course "Laboratorio di Fondamenti di Patologia Generale e Immunologia" (SSD MED/04), Università del Piemonte Orientale, Dipartimento di Scienze e Innovazione Tecnologica, Corso di Laurea in Scienze Biologiche, Vercelli, Italy.

INTERNAZIONALIZATION

- **2023** Tutor of one Spanish student for Erasmus research internship (Ms. Cristina Ludueña).
- **2014** Tutor of one Polish student for Erasmus research internship (Ms. Weronika Gajdzik).

FUNDINGS

- **2024** 1-year Fondazione Veronesi Post-Doctoral fellowship. Project title: “NKX3-2 as a novel oncogene modulating the crosstalk between stroma and cancer cells in 3D heterotypic ovarian cancer models”. Grant amount: 33.000 Euro.
- **2023** 1-year Fondazione Veronesi Post-Doctoral fellowship. Project title: “NKX3-2 as a novel oncogene driving chemoresistance in ovarian cancer”. Grant amount: 30.000 Euro.
- **December 2022 - January 2023** Research Fellowship related to TechnoMED Hub grant, Università del Piemonte Orientale (PI: Prof.ssa Annalisa Chiocchetti). Project title: “Mass cytometry for peripheral blood characterization”.
- **November 2022** 1-month fellowship granted by Università del Piemonte Orientale. Project title: “Interrupting the metabolic crosstalk between inflammatory fibroblasts and cancer cells with nutraceuticals: role and mechanism of action of resveratrol”.
- **2020-2022** 2-years AIRC Post-Doctoral fellowship for Italy "Paolina Troiano" (id. 24094) granted by Associazione Italiana per la Ricerca sul Cancro. Project title: “Heterotypic 3D organoid model for studying Autophagy involvement in chemoresistance and dormancy in Ovarian cancer”. Grant amount: 50.000 Euro.
- **2015-2018** 3-years PhD fellowship granted by the Ministry of Education, University and Research (MIUR; Italy).
- **2015** 1-year fellowship granted by Comoli, Ferrari & C. Project title: “Ruolo e regolazione epigenetica dell'autofagia nella riprogrammazione genica delle cellule tumorali”, Università del Piemonte Orientale, Novara, Italy.

AWARDS

- **October 2023** Award for Distinguished Young Cancer Investigator for the oral presentation at 1st International Cancer Science Congress, Palermo, Italy, October 5-7, 2023.
- **December 2019** Award for the contribution to the research article “Autophagy-dependent toxicity of amino-functionalized nanoparticles in ovarian cancer cells” granted by Associazione per la Ricerca Medica Ippocrate-Rhazi (ARM-IR), Novara, Italy.
- **September 2019** Special award for Best short oral presentation at 3rd World Congress on Cancer “New strategies to prevent, diagnose and treat Cancer based on Precision Medicine”, Prague, Czech Republic, September 23-25, 2019.
- **October 2016** Gold award for young investigator in Cancer Research at International Conference “Basic to Translational Medicine 2016: focus on Cancer”, Novara October 7-8, 2016.

MEMBERSHIPS

- **2023-to date** Full ABCD member (Associazione di Biologia Cellulare e del Differenziamento, Italy).
- **2019-to date** Member of International Precision Cancer Medicine society (ISPCM, South Korea).
- **2017-2018** Junior ABCD member (Associazione di Biologia Cellulare e del Differenziamento, Italy).

PUBLICATIONS

1. 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. *Int J Mol Sci.* 2024 doi: 10.3390/cancers16071343 [ahead of print]. **#co-corresponding author**
2. **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.
3. 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.
4. 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 doi: 10.3390/jpm13111590.
5. Salwa A*, **Ferraresi A***, Secomandi E, Vallino L, Moia R, Patriarca A, Garavaglia B, Gaidano G, Isidoro C. High BECN1 Expression Negatively Correlates with BCL2 Expression and Predicts Better Prognosis in Diffuse Large B-Cell Lymphoma: Role of Autophagy. *Cells.* 2023 Jul 25;12(15):1924. doi: 10.3390/cells12151924. PMID: 37566004; PMCID: PMC10417641. ***co-first author**

6. 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 b-Catenin degradation and induction of autophagy. *J Tradit Complement Med.* 2023 doi: 10.1016/j.jtcme.2023.02.001.
7. Bellavite P, **Ferraresi A**, Isidoro C. Immune Response and Molecular Mechanisms of Cardiovascular Adverse Effects of Spike Proteins from SARS-CoV-2 and mRNA Vaccines. *Biomedicines.* 2023 Feb 3;11(2):451. doi: 10.3390/biomedicines11020451. PMID: 36830987; PMCID: PMC9953067.
8. Vidoni C*, **Ferraresi A***, Vallino L*, Salwa A, Ha JH, Seca C, Garavaglia B, Dhanasekaran DN, Isidoro C. Glycolysis Inhibition of Autophagy Drives Malignancy in Ovarian Cancer: Exacerbation by IL-6 and Attenuation by Resveratrol. *Int J Mol Sci.* 2023 Jan 15;24(2):1723. doi: 10.3390/ijms24021723. PMID: 36675246; PMCID: PMC9866176. ***co-first author**
9. **Ferraresi A**, Isidoro C. Will Omics Biotechnologies Save Us from Future Pandemics? Lessons from COVID-19 for Vaccinomics and Adversomics. *Biomedicines.* 2022 Dec 26;11(1):52. doi: 10.3390/biomedicines11010052. PMID: 36672560; PMCID: PMC9855897.
10. 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. PMID: 35892684; PMCID: PMC9332680.
11. Garavaglia B, Vallino L, **Ferraresi A**, Esposito A, Salwa A, Vidoni C, Gentili 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. PMID: 35625868; PMCID: PMC9138675.
12. 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. PMID: 35565270; PMCID: PMC9101105. ***co-first author**
13. 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. PMID: 35563171; PMCID: PMC9101173.
14. Vidoni C*, **Ferraresi A***, Esposito A, Maheshwari C, Dhanasekaran DN, Mollace V, Isidoro C. Calorie Restriction for Cancer Prevention and Therapy: Mechanisms, Expectations, and Efficacy. *J Cancer Prev.* 2021 Dec 30;26(4):224-236. doi: 10.15430/JCP.2021.26.4.224. PMID: 35047448; PMCID: PMC8749320. ***co-first author**
15. **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; PMCID: PMC8625920.
16. 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. Epub ahead of print. PMID: 34664025; PMCID: PMC8516241.
17. 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; PMCID: PMC8124468.
18. 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; PMCID: PMC7922320. ***co-first author**
19. 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; PMCID: PMC7949624.
20. Klionsky DJ,, **Ferraresi A**, Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)1. *Autophagy.* 2021 Jan;17(1):1-382. doi: 10.1080/15548627.2020.1797280. Epub 2021 Feb 8. PMID: 33634751; PMCID: PMC7996087.

21. Palminteri M*, Dhakar NK*, **Ferraresi A***, Caldera F, Vidoni C, Trotta F, Isidoro C. 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. PMID: 33564618; PMCID: PMC7868003. ***co-first author**
22. Vidoni C, Vallino L, **Ferraresi A**, Secomandi E, Salwa A, Chinthakindi M, Galetto A, Dhanasekaran DN, Isidoro C. Epigenetic control of autophagy in women's tumors: role of non-coding RNAs. *Journal of Cancer Metastasis and Treatment*, 2021. doi: 10.20517/2394-4722.2020.95.
23. **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. PMID: 33364196; PMCID: PMC7753622.
24. 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. PMID: 32670816; PMCID: PMC7340874. ***co-first author**
25. 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. PMID: 31426798; PMCID: PMC6701103.
26. 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 Sep 11;7(35):5376-5391. doi: 10.1039/c9tb00935c. PMID: 31410434. ***co-first author**
27. 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*. 2020 Nov;66:34-44. doi: 10.1016/j.semcancer.2019.04.006. Epub 2019 May 2. PMID: 31054926. ***co-first author**
28. 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. PMID: 31046771; PMCID: PMC6498594.
29. 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. PMID: 30378056.
30. 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 Dec;57(12):1735-1750. doi: 10.1002/mc.22893. Epub 2018 Sep 5. PMID: 30136419.
31. 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 Aug 28;430:160-171. doi: 10.1016/j.canlet.2018.05.031. Epub 2018 May 23. Erratum in: *Cancer Lett*. 2018 Oct 10;434:206-207. PMID: 29802929.
32. Thuwajit C*, **Ferraresi A***, Titone R, Thuwajit P, Isidoro C. The metabolic cross-talk between epithelial cancer cells and stromal fibroblasts in ovarian cancer progression: Autophagy plays a role. *Med Res Rev*. 2018 Jul;38(4):1235-1254. doi: 10.1002/med.21473. Epub 2017 Sep 19. PMID: 28926101; PMCID: PMC6032948. ***co-first author**
33. **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 Dec;56(12):2681-2691. doi: 10.1002/mc.22711. Epub 2017 Sep 7. PMID: 28856729.
34. Phadngam S, Castiglioni A, **Ferraresi A**, Morani F, Follo C, Isidoro C. PTEN dephosphorylates AKT to prevent the expression of GLUT1 on plasmamembrane and to limit glucose consumption in cancer cells. *Oncotarget*. 2016 Dec 20;7(51):84999-85020. doi: 10.18632/oncotarget.13113. PMID: 27829222; PMCID: PMC5356715.
35. **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. PMID: 27787915.

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LIST OF POSTER-ORAL COMMUNICATION PRESENTED AT CONGRESSES

1. **Ferraresi A**, Ghezzi I, Salwa A, Lualdi C, Maheshwari C, Esposito A, Vallino L, Garavaglia B, Dhanasekaran DN, Isidoro C. “NKX3-2 Promotes Ovarian Cancer Cell Migration by HDAC6-mediated Repositioning of Lysosomes and Downregulation of Autophagy”. (Oral communication presented at 1st ICSC 2023, October 5-7, 2023, Addaura Village e Congressi, Palermo, Italy).
2. **Ferraresi A**, Girone C, Maheshwari C, Esposito A, Vallino L, Salwa A, Dhanasekaran DN, Isidoro C. “Phenoconversion and pro-tumorigenic phenotype of cancer-associated fibroblasts rely on glucose-dependent inhibition of autophagy”. (Poster presented at ABCD Congress 2023 (Associazione di Biologia Cellulare e del Differenziamento), September 21-23 2023, Ariston Hotel Centro Congressi, Paestum (Salerno), Italy).
3. **Ferraresi A**, Girone C, Esposito A, Maheshwari C, Vallino L, Salwa A, Dhanasekaran DN, Isidoro C. “Cancer-associated Fibroblasts Phenoconversion Relies on Glucose-dependent Inhibition of Autophagy”. (Oral communication presented at NO-CANCER 2023, May 23-25 2023, Novara, Italy).
4. **Ferraresi A**, Esposito 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 Cell Models”. (Oral communication presented to 6th Cancer World Congress “Personalized Cancer Diagnosis and Therapy”, September 28-30 2022, Radisson Blue Hotel, Lisbon, Portugal).
5. **Ferraresi A**, Seca C, Phadngam S, Vidoni C, Palminteri M, Isidoro C. “Amino-functionalized Nanoparticles Promote Toxicity in Ovarian Cancer Cells by Impinging on Autophagy”. (Oral communication presented to 15th Riunione Scientifica della Scuola Dianzani “Meccanismi molecolari nella patogenesi delle malattie”, November 15-16 2019, Aula Magna via Balbi 5, Università degli Studi di Genova, Genova, Italy).
6. **Ferraresi A**, Seca C, Phadngam S, Vidoni C, Palminteri M, Isidoro C. “Amino-functionalized Nanoparticles Promote Toxicity in Ovarian Cancer Cells by Impinging on Autophagy”. (Oral communication presented to 3rd World Congress on Cancer “New strategies to prevent, diagnose and treat Cancer based on Precision Medicine”, September 23-25 2019, Top Hotel Prague, Czech Republic).
7. **Ferraresi A**, Seca C, Vidoni C, Girone C, Ha JH, Dhanasekaran DN, Isidoro C. “Resveratrol Reverts the EMT Phenotype Induced by Lysophosphatidic Acid in Ovarian Cancer Cells through Restoration of Autophagy”. (Oral communication presented to NO-Cancer 2018: “Understanding Cancer Cell Biology to improve Diagnosis and Therapy”, October 28-30 2018, Ospedale Maggiore della Carità, Novara, Italy).
8. **Ferraresi A**, Seca C, Thongchot S, Chiorino G, Dhanasekaran DN, Isidoro C. “Resveratrol Counteracts the Pro-Invasive Activity of Lysophosphatidic Acid in Ovarian Cancer Cells by Rescuing Autophagy and Down-Regulating the Hedgehog Pathway”. (Oral communication presented to 2nd World Congress Cancer-2018: “Oncology and Cancer Therapeutics in the 21st Century”, July 23-25 2018, Savoia Hotel Regency Bologna, Italy).
9. **Ferraresi A**, Vidoni C, Phadngam S, Castiglioni A, Galetto A, Chiorino G, Isidoro C. “Resveratrol contrasts ovarian cancer cell migration induced by Interleukin-6: role of glucose metabolism and of autophagy”. (Poster presented to “22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine”, October 5-7 2017, Metropolitan Hotel, Athens, Greece).
10. **Ferraresi A**, Seca C, Castiglioni A, Thongchot S, Dhanasekaran DN, Isidoro C. “Resveratrol counteracts the pro-invasive activity of Lysophosphatidic acid in ovarian cancer cells by rescuing autophagy: involvement of the Hedgehog pathway”. (Poster presented to “22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine”, October 5-7 2017, Metropolitan Hotel, Athens, Greece).
11. **Ferraresi A**, Vidoni C, Phadngam S, Castiglioni A, Seca C, Chiorino G, Isidoro C. “Resveratrol contrasts IL6-induced ovarian cancer cell motility through epigenetic up-regulation of autophagy and inhibition of glucose uptake”. (Poster presented to ABCD Congress 2017 (Associazione di Biologia Cellulare e del Differenziamento), September 21-23 2017, Savoia Hotel Regency, Bologna, Italy).
12. **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. (Poster presented to International Conference “Basic to Translational Medicine 2016: focus on cancer”, Novara, October 6-7 2016).

LIST OF CONFERENCE ABSTRACTS

1. Thongchot S, Vallino L, Salwa A, Esposito A, Maheshwari C, **Ferraresi A**, Garavaglia B, Dhanasekaran DN, Isidoro C. “Nutraceuticals Targeting Autophagy for Cancer Prevention and Therapy”. (1st ICSC 2023 (International Cancer Science Congress), October 5-7, 2023, Addaura Village e Congressi, Palermo, Italy).
2. Garavaglia B, Vallino L, **Ferraresi A**, Esposito A, Salwa A, Vidoni C, Isidoro C. “Butyrate induces Autophagy Degradation of β -Catenin Inhibiting Colorectal Cancer Cell Proliferation Regardless of APC and β -Catenin Mutational Status”. (1st ICSC 2023 (International Cancer Science Congress), October 5-7, 2023, Addaura Village e Congressi, Palermo, Italy).

3. Esposito A, **Ferraresi A**, Salwa A, Vidoni C, Dhanasekaran DN, Isidoro C. “Resveratrol Counteracts IL-6-Induced Ovarian Cancer Cell Proliferation by Promoting Autophagy-Mediated Cancer Cell Dormancy: Role of miR-1305, a Novel OncomiRNA”. (1st ICSC 2023 (International Cancer Science Congress), October 5-7, 2023, Addaura Village e Congressi, Palermo, Italy).
4. Vallino L, Vidoni C, **Ferraresi A**, Salwa A, Ha JH, Seca C, Garavaglia B, Dhanasekaran DN, Isidoro C. “Interleukin-6 Promotes Ovarian Cancer Cell Motility by Triggering Glucose-Dependent Inhibition of Autophagy: Counteracting Effect of Resveratrol”. (1st ICSC 2023 (International Cancer Science Congress), October 5-7, 2023, Addaura Village e Congressi, Palermo, Italy).
5. Salwa A, **Ferraresi A**, Secomandi E, Vallino L, Moia R, Patriarca A, Gaidano G, Isidoro C. “BECLIN-1-Dependent Autophagy Negatively Correlates with BCL-2 Expression and Predicts Favourable Clinical Outcome in Diffuse Large B Cell Lymphoma”. (1st ICSC 2023 (International Cancer Science Congress), October 5-7, 2023, Addaura Village e Congressi, Palermo, Italy).
6. Maheshwari C, Castiglioni A, **Ferraresi A**, Vidoni C, Follo C, Isidoro C. “PTEN dephosphorylates BECLIN 1 to regulate serum-dependent autophagy in cancer cells”. (1st ICSC 2023 (International Cancer Science Congress), October 5-7, 2023, Addaura Village e Congressi, Palermo, Italy).
7. Vallino L, Vidoni C, **Ferraresi A**, Salwa A, Ha JH, Seca C, Garavaglia B, Dhanasekaran DN, Isidoro C. “IL-6 promotes ovarian cancer cell migration via glycolysis-mediated inhibition of autophagy: counteracting effect of resveratrol”. (ABCD Congress 2023 (Associazione di Biologia Cellulare e del Differenziamento), September 21-23 2023, Ariston Hotel Centro Congressi, Paestum (Salerno), Italy).
8. Garavaglia B, Vallino L, **Ferraresi A**, Esposito A, Salwa A, Vidoni C, Isidoro C. “Butyrate-induced autophagy degradation of β -catenin results in the inhibition of colorectal cancer cell proliferation regardless of APC and β -catenin mutational status”. (ABCD Congress 2023 (Associazione di Biologia Cellulare e del Differenziamento), September 21-23 2023, Ariston Hotel Centro Congressi, Paestum (Salerno), Italy).
9. Esposito A, **Ferraresi A**, Salwa A, Vidoni C, Dhanasekaran DN, Isidoro C. “Resveratrol contrasts IL-6-driven ovarian cancer cell growth by inducing autophagy-mediated cancer cell dormancy: involvement of miR-1305, a novel oncomiRNA”. (ABCD Congress 2023 (Associazione di Biologia Cellulare e del Differenziamento), September 21-23 2023, Ariston Hotel Centro Congressi, Paestum (Salerno), Italy).
10. Salwa A, **Ferraresi A**, Vallino L, Moia R, Patriarca A, Garavaglia B, Gaidano G, Isidoro C. “BECLIN-1-dependent autophagy inversely correlates with BCL-2 expression and predicts better prognosis in diffuse large B-cell lymphoma”. (ABCD Congress 2023 (Associazione di Biologia Cellulare e del Differenziamento), September 21-23 2023, Ariston Hotel Centro Congressi, Paestum (Salerno), Italy).
11. Garavaglia B, Vallino L, **Ferraresi A**, Esposito A, Salwa A, Vidoni C, Isidoro C. “The Microbiota Metabolite Butyrate Inhibits IL-6-Induced Colorectal Cancer Cell Migration by Sequestering β -Catenin into the Autophagosome”. (NO-CANCER 2023, May 23-25 2023, Novara, Italy).
12. Garavaglia B, Vallino L, **Ferraresi A**, Esposito A, Salwa A, Vidoni C, Isidoro C. “Butyrate Induces Autophagy Degradation of β -Catenin Inhibiting Colorectal Cancer Cell Proliferation Regardless of APC and β -Catenin Mutational Status”. (NO-CANCER 2023, May 23-25 2023, Novara, Italy).
13. Esposito A, **Ferraresi A**, Salwa A, Vidoni C, Dhanasekaran DN, Isidoro C. “Resveratrol Counteracts IL-6-Induced Ovarian Cancer Cell Proliferation by Promoting Autophagy-Mediated Cancer Cell Dormancy: Role of miR-1305, a Novel OncomiRNA”. (NO-CANCER 2023, May 23-25 2023, Novara, Italy).
14. Salwa A, **Ferraresi A**, Secomandi E, Vallino L, Moia R, Patriarca A, Gaidano G, Isidoro C. “High BECN1 Expression Negatively Correlates with BCL2 Expression and Predicts Better Prognosis in Diffuse Large B-Cell Lymphoma: Role of Autophagy”. (NO-CANCER 2023, May 23-25 2023, Novara, Italy).
15. **Ferraresi A**, Vallino L, Esposito A, Salwa A, Maheshwari C, Garavaglia B, Vidoni C, Dhanasekaran DN, Isidoro C. “Epigenetic regulation of Autophagy in Cancer by Natural Products”. (Meeting 11th NAPA 2022 (International Conference on Nutrition and Physical Activity in Ageing, Obesity and Cancer), December 15-17, 2022, Bangkok, Thailand).
16. **Ferraresi A**, Vallino L, Vidoni C, Esposito A, Maheshwari C, Garavaglia B, Salwa A, Isidoro C. “Autophagy in cancer: where we are, where we go”. (6th CWC 2022 (Cancer World Congress), September 28-30, 2022, Radisson Blu Hotel, Lisbon, Portugal).
17. Secomandi E, Salwa A, Vidoni C, **Ferraresi A**, Follo C, Isidoro C. “High Expression of Lysosomal Cathepsin D Counteracts EGF-induced Neuroblastoma Cell Growth and Confers Better Prognosis in Neuroblastoma Patients”. (6th CWC 2022 (Cancer World Congress), September 28-30 2022, Radisson Blu Hotel, Lisbon, Portugal).
18. Esposito A, **Ferraresi A**, Salwa A, Vidoni C, Dhanasekaran DN, Isidoro C. “MiR-1305 Promotes Ovarian Cancer Cell Proliferation by Downregulating ARH-I-Mediated Autophagy”. (6th CWC 2022 (Cancer World Congress), September 28-30, 2022, Radisson Blu Hotel, Lisbon, Portugal).
19. Garavaglia B, Vallino L, **Ferraresi A**, Esposito A, Salwa A, Vidoni C, Isidoro C. “Butyrate-Induced Autophagy Degradation of β -Catenin Results in the Inhibition of Colorectal Cancer Cell Proliferation Regardless of APC

- and β -Catenin Mutational Status”. (6th CWC 2022 (Cancer World Congress), September 28-30, 2022, Radisson Blu Hotel, Lisbon, Portugal).
20. Vallino L, Garavaglia B, **Ferraresi A**, Esposito A, Salwa A, Vidoni C, Isidoro C. “Butyrate Counteracts IL-6-Induced Colorectal Cancer Cell Migration through Autophagosome Sequestration of β -Catenin”. (6th CWC 2022 (Cancer World Congress), September 28-30, 2022, Radisson Blu Hotel, Lisbon, Portugal).
 21. Salwa A, **Ferraresi A**, Chinthakindi M, Vallino L, Vidoni C, Dhanasekaran DN, Isidoro C. “*BECN1* and *BRCA1* deficiency enhances the chemosensitivity in TP53 mutated ovarian cancer patients and confers better prognosis”. (6th CWC 2022 (Cancer World Congress), September 28-30, 2022, Radisson Blu Hotel, Lisbon, Portugal).
 22. **Ferraresi A**, Vallino L, Esposito A, Salwa A, Maheshwari C, Garavaglia B, Vidoni C, Dhanasekaran DN, Isidoro C. “Epigenetic regulation of Autophagy in Cancer by Natural Products”. (EPIBESANÇON 2022, May 10-11, 2022, Besançon, France).
 23. Vallino L, **Ferraresi A**, Vidoni C, Secomandi E, Salwa A, Chinthakindi M, Dhanasekaran DN, Isidoro C. “Nutraceuticals for Precision Cancer Medicine: omics analyses and mechanisms of action”. (Meeting of the International Society of Precision Cancer Medicine (ISPCM), March 2-4, 2020, Tokyo, Japan).
 24. Vidoni C, **Ferraresi A**, Vallino L, Secomandi E, Dhanasekaran DN, Isidoro C. “Glucose-Dependent Autophagy Control of Cancer Cell Migration”. (15th Riunione Scientifica della Scuola Dianzani “Meccanismi molecolari nella patogenesi delle malattie”, November 15-16, 2019, Aula Magna via Balbi 5, Università degli Studi di Genova, Genova, Italy).
 25. Dhakar NK, Caldera F, Trotta F, **Ferraresi A**, Palminteri M, Isidoro C. “Stimuli-Responsive Cyclodextrin Nanosponge for the Delivery of Resveratrol”. (6th European Conference on Cyclodextrins (EURO CD 2019), October 2-4, 2019, Santiago de Compostela, Spain).
 26. Vidoni C, **Ferraresi A**, Secomandi E, Vallino L, Thongchot S, Dhanasekaran DN, Isidoro C. “The role of Autophagy in inflammatory cytokines-induced Epithelial to Mesenchymal Transition in Cancer”. (3rd World Congress on Cancer “New strategies to prevent, diagnose and treat Cancer based on Precision Medicine”, September 23-25, 2019, Top Hotel Prague, Czech Republic).
 27. Secomandi E, Vidoni C, **Ferraresi A**, Camurani G, Isidoro C. “The Microbiota-derived Metabolite Butyrate Inhibits Colorectal Cancer Cell Migration via Modulation of Autophagy”. (3rd World Congress on Cancer “New strategies to prevent, diagnose and treat Cancer based on Precision Medicine”, September 23-25, 2019, Top Hotel Prague, Czech Republic).
 28. Vallino L, **Ferraresi A**, Vidoni C, Lora C, Maheshwari C, Dhanasekaran DN, Isidoro C. “Resveratrol-Induced Modulation of Non-Coding RNA in Ovarian Cancer Cells”. (3rd World Congress on Cancer “New strategies to prevent, diagnose and treat Cancer based on Precision Medicine”, September 23-25, 2019, Top Hotel Prague, Czech Republic).
 29. Vidoni C, **Ferraresi A**, Vallino L, Secomandi E, Esposito A, Girone C, Dhanasekaran DN, Isidoro C. “Glucose-Dependent Autophagy Control of Cancer Cell Migration”. (3rd World Congress on Cancer “New strategies to prevent, diagnose and treat Cancer based on Precision Medicine”, September 23-25, 2019, Top Hotel Prague, Czech Republic).
 30. Vidoni C, **Ferraresi A**, Vallino L, Chinthakindi M, Thongchot S, Secomandi E, Dhanasekaran DN, Isidoro C. “Genetic and Epigenetic control of glycolysis and the impact on Epithelial to Mesenchymal Transition in ovarian cancer cells”. (23rd International Symposium on Molecular Medicine, March 28-30, 2019, Tawana Hotel, Bangkok, Thailand).
 31. Thongchot S, Vidoni C, **Ferraresi A**, Loilome W, Yongvanit P, Namwat N, Isidoro C. “Anti-inflammatory agents induce apoptosis and autophagy-dependent cell death in opisthorchiasis-associated cholangiocarcinoma cells. (23rd International Symposium on Molecular Medicine, March 28-30, 2019, Tawana Hotel, Bangkok, Thailand).
 32. **Ferraresi A**, Vidoni C, Vallino L, Thongchot S, Secomandi E, Salwa A, Castiglioni A, Phadngam S, Isidoro C. “Glucose availability promotes cancer cell migration: molecular pathways and epigenetic regulations”. (3rd Meeting of International Society of Precision Cancer Medicine (ISPCM), Seoul, Republic of Korea, March 12-15, 2019).
 33. Isidoro C, Vidoni C, **Ferraresi A**, Secomandi E, Vallino L. “Autophagy in Cancer: epigenetic regulation and therapeutic opportunities”. (2nd World Congress Cancer-2018: “Oncology and Cancer Therapeutics in the 21st Century”, July 23-25, 2018, Savoia Hotel Regency Bologna, Italy).
 34. **Ferraresi A**, Vidoni C, Vallino L, Chiorino G, Dhanasekaran DN, Isidoro C. “Resveratrol as a Caloric Restriction Mimetic in Aging and Cancer prevention”. (8th International Conference of Asian Society of Toxicology (ASIATOX2018), “Asian wisdom in toxicology for global benefits”, June 17-20, 2018, Pattaya Exhibition and Convention Hall (PEACH), Pattaya, Thailand).
 35. Seca C, **Ferraresi A**, Merupati R, Phadngam S, Vidoni C, Baumler H, Isidoro C. “The role of Autophagy in the toxic response to Polystyrene Nanoparticles in ovarian cancer cells”. (8th International Conference of Asian Society of Toxicology (ASIATOX2018), “Asian wisdom in toxicology for global benefits”, June 17-20, 2018, Pattaya Exhibition and Convention Hall (PEACH), Pattaya, Thailand).

36. Seca C, **Ferraresi A**, Phadngam S, Vidoni C, Baumler H, Isidoro C. “Autophagy as a stress response to Nanoparticles in ovarian cancer cells: role in cell survival and cell death”. (50th Anniversary of Blood, Artificial Blood Substitutes and Drug Delivery in conjunction with International Symposium on Nano, Transfusion and Transplantation Medicine, Charité-Universitätsmedizin Berlin, Hall Clinic of Dermatology - Charité Campus Mitte Rahel-Hirsch-Weg 4, September 6-7, 2018).
37. **Ferraresi A**, Vidoni C, Secomandi E, Isidoro C. “Herbal medicine for critical care: understanding the molecular mechanisms”. (19th International Congress of Oriental Medicine (ICOM), “Application of Traditional Medicine in Acute and Critical Care: Prospects and Challenges”, NTUH International Convention Center, Taipei, Taiwan, November 24-26, 2018).
38. **Ferraresi A**, Vidoni C, Vallino L, Dhanasekaran DN, Isidoro C. “Caloric Restriction: mechanisms and benefits for Aging and Cancer prevention” (9th International Conference on Nutrition and Physical Activity (NAPA 2018) - “Food, Nutrition and Health; Intervention of Diseases (Precision Cancer Medicine); Sports Health; Intestinal, Brain and Health; Personal Nutritional Program”, Hotel National, Taichung City, Taiwan, December 17-19, 2018).
39. Vidoni C, **Ferraresi A**, Vallino L, Esposito A, Secomandi E, Dhanasekaran DN, Isidoro C. “Resveratrol Counteracts Ovarian Cancer Cell Migration Stimulated by Interleukin-6 by Limiting Glucose Uptake”. (NO-Cancer 2018: “Understanding Cancer Cell Biology to improve Diagnosis and Therapy”, October 28-30, 2018, Ospedale Maggiore della Carità Novara, Italy).
40. Vallino L, **Ferraresi A**, Vidoni C, Lora C, Chiorino G, Galetto A, Isidoro C. “Epigenetic changes in ovarian cancer cells subjected to starvation or to the caloric restriction mimetic Resveratrol”. (NO-Cancer 2018: “Understanding Cancer Cell Biology to improve Diagnosis and Therapy”, October 28-30, 2018, Ospedale Maggiore della Carità Novara, Italy).
41. Vallino L, **Ferraresi A**, Vidoni C, Chiorino G, Galetto A, Isidoro C. “Profiling of the transcripts and microRNA in ovarian cancer cells subjected to fasting or to the caloric restriction mimetic Resveratrol”. (2nd World Congress Cancer-2018: “Oncology and Cancer Therapeutics in the 21st Century”, July 23-25, 2018, Savoia Hotel Regency Bologna, Italy).
42. Vidoni C, **Ferraresi A**, Phadngam S, Castiglioni A, Galetto A, Isidoro C. “Resveratrol abrogates IL-6-induced ovarian cancer cell motility by limiting glucose availability and up-regulating autophagy”. (2nd World Congress Cancer-2018: “Oncology and Cancer Therapeutics in the 21st Century”, July 23-25, 2018, Savoia Hotel Regency Bologna, Italy).
43. Thongchot S, Loilome W, Yongvanit P, Khuntikeo N, Techasen A, Vidoni C, **Ferraresi A**, Isidoro C, Namwat N. “Dihydroartemisinin induces BECLIN-1-mediated autophagy-dependent cell death in cholangiocarcinoma cells”. (International Conference “Basic to Translational Medicine 2016: focus on cancer”, Novara, October 6-7, 2016).

GRANT APPLICATIONS PEER-REVIEWED

- Participation to the Call AIRC Fellowship for Italy 2019 (**Funded**)
- Participation to the Call CRT 2019 Fellowships – Università del Piemonte Orientale
- Participation to the Call Fondazione Carlo Erba 2019
- Participation to the Call FUV Post-doctoral Fellowships 2020
- Participation to the Call FUV Post-doctoral Fellowships 2022
- Participation to the Call Roche per la Ricerca 2021-2022
- Participation to the Call L’Oréal for women in Science 2021-2022
- Participation to the Call Biomedical Research conducted by Young Researchers 2022 - Fondazione Cariplo
- Participation to the Call AIRC Post-Doctoral Fellowships for Italy 2022
- Participation to the Call FUV Post-doctoral Fellowships 2023 (**Funded**)
- Participation to the Call L’Oréal for women in Science 2022-2023
- Participation to the Call AIRC PostDoc Fellowship for Italy 2023.
- Participation to the Call FUV Post-doctoral Fellowships 2024 (**Funded**).

Dichiaro che le informazioni contenute nel presente documento vengono rese ai sensi e per gli effetti degli artt. 46 e 47 del DPR 445/2000. Autorizzo il trattamento dei miei dati personali ai sensi del Dlgs 196 del 30 giugno 2003 e dell’art. 13 GDPR (Regolamento UE 2016/679).