

CURRICULUM VITAE

Scopus Author ID: 27268039100

CURRENT ACADEMIC POSITION

Since September 1, 2023, I have held a fixed-term type B research position at the University of Modena and Reggio Emilia, Department of Biomedical, Metabolic and Neurosciences, Morphology Section. My research activity focuses on human morphology and histology, specifically on dissecting the molecular mechanisms relevant for the development of innovative therapeutic approaches in the context of precision medicine for both liquid and solid tumors characterized by the activation of signaling pathways involved in cancer progression.

PROFESSIONAL ACTIVITY

From the beginning of my career, I have been committed to understanding the signaling pathways underlying tumor progression and chemotherapy resistance in the context of personalized medicine. Since 2020, I have led the Reverse Phase Protein Array (RPPA) core facility at the Pediatric Research Institute "Città della Speranza" (Padua), where I have carried out most of my documented scientific activity to date. My studies have focused on identifying novel prognostic biomarkers and pharmacological targets, in in vitro, in vivo, and ex vivo models of pediatric B and T-ALL leukemias, AML, brain tumors, rhabdomyosarcomas, and muscular dystrophies.

During these studies, I have supervised trainees, PhD students, and research fellows, gaining experience in project planning and management, and expanding the technological and methodological portfolio applied to experimental models—from immunohistochemistry and immunofluorescence, to flow cytometry, molecular biology, and phosphoproteomics. My general goal has been to contribute to better patient stratification and the identification of new therapeutic targets, in alignment with advances in precision medicine. In particular, as head of the RPPA core facility, I managed all aspects of internal projects and external collaborations involving targeted protein profiling.

EDUCATION

- 13/04/2012 — *University of Padua, Dept. of Oncological and Surgical Sciences*
Ph.D. in Oncology and Surgical Oncology
Thesis: *Notch3 signalling promotes tumour growth in colorectal cancer: implication for Notch target therapy*
 - 13/10/2008 — *University of Padua, Department of Biology (DiBio)*
Master's Degree in Medical Biology
Thesis (abroad): *Mutational analysis of c-Myc-induced macrometastases derived from murine lung cancer*
 - 18/06/2006 — *University of Padua, Department of Biology (DiBio)*
Bachelor's Degree in Molecular Biology
Thesis: *Gene expression analysis of timeless2 in drosophila melanogaster models*
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NATIONAL COMPETITIVE FELLOWSHIPS

1. Postdoctoral Fellowship Grant (2019) – *Fondazione Umberto Veronesi (FUV)*
Project: *“Nuclear Factor of Activated T cells (NFAT) role in glucocorticoid resistance of pediatric T-acute lymphoblastic leukemias”*
2. Postdoctoral Fellowship Grant (2018) – *Fondazione Umberto Veronesi (FUV)*
Project: *“Identification of new prognostic biomarkers and therapeutic targets in pediatric T-LBL patients through Reverse Phase Protein Arrays”*
3. Postdoctoral Fellowship Grant (2015–2017) – *Fondazione Italiana per la Ricerca sul Cancro (FIRC)*

Project: *“Identification of relapse prediction markers and/or new therapeutic targets in ETV6-RUNX1 BCP-ALL relapsing patients”*

CURRENT GRANTS

1. Principal Investigator: Valentina Serafin (02/01/2019 – 12/31/2024)
My First AIRC Grant (MFAG)
Project: *“Nuclear Factor of Activated T cells signaling as a key regulator of glucocorticoid resistance in pediatric T leukemias”*
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PAST GRANTS

1. Unit lead in the AIL-funded project (2021–2023), PI: Prof. Martina Pigazzi
“Identification of novel prognostic markers and therapeutic targets in pediatric T-LBL patients via Reverse Phase Protein Arrays”
 2. Scientific Lead: Valentina Serafin (2018–2020), Consolidator IRP Grant
Project: *“Identification of circulating biomarkers for chronic graft-versus-host disease diagnosis”*
 3. Unit lead in the AIL-funded project (2019–2020), PI: Prof. Giuseppe Basso
“Identification of novel prognostic markers and therapeutic targets in pediatric T-LBL patients via Reverse Phase Protein Arrays”
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INTERNATIONAL EXPERIENCE

- 09/2007–09/2008: Erasmus Internship (Master’s thesis) at University of Würzburg (Germany), Supervisor: Prof. U. Rapp
 - 06/2019–10/2019: Visiting Scientist at Northwestern University, Chicago (USA), Lab of Prof. P. Ntziachristos
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AWARDS AND RECOGNITION

- Invited moderator and abstract reviewer at the American Society of Hematology (ASH) International Meeting, San Diego (CA, USA), 2023
 - Travel Award for abstract at ASH Meeting, San Diego, 2016
 - Invited guest at the "Research Days" celebration held at the Quirinal Palace, hosted by the President of the Republic, Sergio Mattarella, on October 24, 2019
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TEACHING ACTIVITY

- Histology and Embryology Practicals, Degree in Medicine and Surgery (a.y. 2024/25_2025/26)
 - Human Morphological Sciences and Physiology, Degree in Dental Hygiene (a.y. 2024/25_2025/26)
 - Biology, Histology, and Biochemistry, Degree in Dietetics (a.y. 2024/25_2025/26)
 - Recognized as Subject Matter Expert (SSD BIO/17 - Histology) for the 2020–2021 and 2021–2022 academic years, for all medical and healthcare-related programs at the University of Modena and Reggio Emilia
 - Organizer and Lecturer of the course for PhD students “Introduction to Innovative Tools for Translational Molecular Research” (2025) at the university of Modena and Reggio Emilia
 - Lecturer/Coordinator for two editions (2018–2019) of the international course “Introduction to Translational Medicine: from bench-side to bedside to the community,” organized by George Mason University (USA) and University Hospital – University of Padua; responsible for the theoretical-practical proteomics (RPPA) module
 - Elective course (ADE) in Blood Histology, Degree in Medicine and Surgery, 2021–2022, University of Modena and Reggio Emilia
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UPDATED PUBLICATIONS

1. De Kesel J, Fijalkowski I, Pieters T, Borin C, Christensen KT, Wittouck M, Van Laere J, Guerrero L, Reunes L, Caruso M, Thakkar B, Sleenckx W, Xu LK, Van Nieuwerburgh F, Deforce D, De Keersmaecker K, Lammens T, Goossens S, Taghon T, Han C, Veltri G, **Serafin V**, Palhais B, Sharma ND, Huang H, Liu H, Matlawska-Wasowska K, Milovanovic A, Novoa EM, Wang E, Ntziachristos P. HNRNPC and m6A RNA methylation control oncogenic transcription and metabolism in T-cell leukemia. *Blood*. 2025 Apr 15: blood.2024026848. doi: 10.1182/blood.2024026848. Epub ahead of print. PMID: 40435411.
2. Samarakoon Y, Yelland T, Garcia-Gonzalez E, da Silva Justo Junior A, Mahmood M, Manoharan A, Patterson S, **Serafin V**, Gammage PA, Marmiroli S, Halsey C, Ismail S, Roberts EW. UNC119 regulates T-cell receptor signalling in primary T cells and T acute lymphocytic leukaemia. *Life Sci Alliance*. 2025 Jan 15;8(3):e202403066. doi: 10.26508/lsa.202403066. PMID: 39814552
3. Tretti Parenzan C, Molin AD, Longo G, Gaffo E, Buratin A, Cani A, Boldrin E, **Serafin V**, Guglielmelli P, Vannucchi AM, Cazzaniga G, Biondi A, Locatelli F, Meyer LH, Buldini B, Te Kronnie G, Bresolin S, Bortoluzzi S. Functional relevance of circRNA aberrant expression in pediatric acute leukemia with KMT2A::AFF1 fusion. *Blood Adv*. 2024 Mar 12;8(5):1305-1319. doi: 10.1182/bloodadvances.2023011291. PMID: 38029383.
4. Fijalkowski I, Wang J, Jin Q, Van Laere J, **Serafin V**, Crispino JD, Ntziachristos P. A positive feedback loop regulation between NOTCH1 and USP11 in T-cell leukemia. *Leukemia*. 2024 Jan;38(1):193-197. doi: 10.1038/s41375-023-02096-4. Epub 2023 Nov 25. Erratum in: *Leukemia*. 2024 Jan;38(1):229-232. doi: 10.1038/s41375-023-02112-7. PMID: 38007584.
5. Minuzzo S, Agnusdei V, Pinazza M, Amaro AA, Sacchetto V, Pfeffer U, Bertorelle R, Spinelli O, **Serafin V***, Indraccolo S. Targeting NOTCH1 in combination with antimetabolite drugs prolongs life span in relapsed pediatric and adult T-acute lymphoblastic leukemia xenografts. *Exp Hematol Oncol*. 2023 Sep 4;12(1):76. doi: 10.1186/s40164-023-00439-6. PMID: 37667380. * **co-ultimo autore e autore corrispondente**
6. Darici S, Jørgensen HG, Huang X, **Serafin V**, Antolini L, Barozzi P, Luppi M, Forghieri F, Marmiroli S, Zavatti M. Improved efficacy of quizartinib in combination therapy with PI3K inhibition in primary FLT3-ITD AML cells. *Adv Biol Regul*. 2023 May 23;89:100974. doi: 10.1016/j.jbior.2023.100974. Epub ahead of print. PMID: 37245251.
7. Saggiaro M, D'Agostino S, Veltri G, Bacchiega M, Tombolan L, Zanon C, Gamba P, **Serafin V**, Muraro MG, Martin I, Pozzobon M. A perfusion-based three-dimensional cell culture system to model alveolar rhabdomyosarcoma pathological features. *Sci Rep*. 2023 Jun 9;13(1):9444. doi: 10.1038/s41598-023-36210-4. PMID: 37296184.
8. Borin C, Pieters T, **Serafin V***, Ntziachristos P. Emerging Epigenetic and Posttranslational Mechanisms Controlling Resistance to Glucocorticoids in Acute Lymphoblastic Leukemia. *Hemasphere*. 2023 Jun 22;7(7):e916. doi: 10.1097/HS9.0000000000000916. PMID: 37359189.
9. Buratin A, Borin C, Tretti Parenzan C, Dal Molin A, Orsi S, Binatti A, Simon K, Paganin M, **Serafin V**, Gaffo E, Te Kronnie G, Van Vlierberghe P, Bresolin S, Bortoluzzi S. CircFBXW7 in patients with T-cell ALL: depletion sustains MYC and NOTCH activation and leukemia cell viability. *Exp Hematol Oncol*. 2023 Jan 21;12(1):12. doi: 10.1186/s40164-023-00374-6. PMID: 36681829
10. Jin Q, Gutierrez Diaz B, Pieters T, Zhou Y, Narang S, Fijalkowski I, Borin C, Van Laere J, Payton M, Cho BK, Han C, Sun L, **Serafin V**, Yacu G, Von Loocke W, Basso G, Veltri G, Dreveny I, Ben-Sahra I, Goo YA, Safgren SL, Tsai YC, Bornhauser B, Suraneni PK, Gaspar-Maia A, Kandela I, Van Vlierberghe P, Crispino JD, Tsigos A, Ntziachristos P. Oncogenic deubiquitination controls tyrosine kinase signaling and therapy response in acute lymphoblastic leukemia. *Sci Adv*. 2022 Dec 9;8(49):eabq8437. doi: 10.1126/sciadv.abq8437. Epub 2022 Dec 9. PMID: 36490346

11. Veltri G, Lovisa F, Cortese G, Pillon M, Carraro E, Cesaro S, Provenzi M, Buffardi S, Francescato S, Biffi A, Buldini B, Conter V, **Serafin V***, Mussolin L. Phosphoproteomic Analysis Reveals a Different Proteomic Profile in Pediatric Patients With T-Cell Lymphoblastic Lymphoma or T-Cell Acute Lymphoblastic Leukemia. *Front Oncol.* 2022 Jul 8;12:913487. doi: 10.3389/fonc.2022.913487. PMID: 35875136 ***Co-Ultimo nome e autore corrispondente**
12. Veltri G, Sandei M, Silvestri D, Bresolin S, Pession A, Santoro N, Ziino O, Veltroni M, Rizzari C, Biffi A, Valsecchi MG, Conter V, Buldini B, Accordi B, **Serafin V.** NUP214-ABL1 fusion in childhood T-ALL. *Pediatr Blood Cancer.* 2022 Sep;69(9):e29643. doi: 10.1002/pbc.29643. Epub 2022 Mar 6. PMID: 35253360.
13. Han C, Khodadadi-Jamayran A, Lorch AH, Jin Q, **Serafin V**, Zhu P, Politanska Y, Sun L, Gutierrez-Diaz BT, Pryzhkova MV, Abdala-Valencia H, Bartom ET, Buldini B, Basso G, Velu SE, Sarma K, Mattamana BB, Cho BK, Obeng RC, Goo YA, Jordan PW, Tsirigos A, Zhou Y, Ntziachristos P. SF3B1 homeostasis is critical for survival and therapeutic response in T cell leukemia. *Sci Adv.* 2022 Jan 21;8(3):eabj8357. doi: 10.1126/sciadv.abj8357. Epub 2022 Jan 21. PMID: 35061527
14. Saggiaro M, D'Agostino S, Gallo A, Crotti S, D'Aronco S, Corallo D, Veltri G, Martinez G, Grigoletto A, Tolomeo AM, Tafuro G, Agostini M, Aveic S, **Serafin V**, Semenzato A, Pasut G, Pozzobon M. A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. *Biomater Sci.* 2021 Dec 21;10(1):124-137. doi: 10.1039/d1bm00929j. PMID: 34796888.
15. Darici S, Zavatti M, Braglia L, Accordi B, **Serafin V**, Horne GA, Manzoli L, Palumbo C, Huang X, Jørgensen HG, Marmioli S. Synergistic cytotoxicity of dual PI3K/mTOR and FLT3 inhibition in FLT3-ITD AML cells. *Adv Biol Regul.* 2021 Dec;82:100830. doi: 10.1016/j.jbior.2021.100830. Epub 2021 Sep 17. PMID: 34555701.
16. Marmioli S, Huang X, **Serafin V**, Michie AM. Editorial: Special Issue on Innovative Multi-Disciplinary Approaches for Precision Studies in Leukemia. *Front Oncol.* 2021 Aug 17;11:744009. doi: 10.3389/fonc.2021.744009. PMID:34485164
17. Veltri G, Silvestri C, Galligani I, Sandei M, Vencato S, Lovisa F, Cortese G, Pillon M, Carraro E, Bresolin S, Biffi A, Basso G, Accordi B, Mussolin L, **Serafin V.** Ruxolitinib as a Novel Therapeutic Option for Poor Prognosis T-LBL Pediatric Patients. *Cancers (Basel).* 2021 Jul 24;13(15):3724. doi: 10.3390/cancers13153724. PMID: 34359628
18. Buratin A, Paganin M, Gaffo E, Dal Molin A, Roels J, Germano G, Siddi MT, **Serafin V**, De Decker M, Gachet S, Durinck K, Speleman F, Taghon T, Te Kronnie G, Van Vlierberghe P, Bortoluzzi S. Large-scale circular RNA deregulation in T-ALL: unlocking unique ectopic expression of molecular subtypes. *Blood Adv.* 2020 Dec 8;4(23): 5902-5914. doi: 10.1182/bloodadvances.2020002337. PMID: 33259601
19. Fang C, Wang Z, Han C, Safgren SL, Helmin KA, Adelman ER, **Serafin V**, Basso G, Eagen KP, Gaspar-Maia A, Figueroa ME, Singer BD, Ratan A, Ntziachristos P, Zang C. Cancer-specific CTCF binding facilitates oncogenic transcriptional dysregulation. *Genome Biol.* 2020 Sep 15;21(1):247. doi: 10.1186/s13059-020-02152-7. PMID: 32933554
20. Chae HD, Dutta R, Tiu B, Hoff FW, Accordi B, **Serafin V**, Youn M, Huang M, Sumarsono N, Davis KL, Lacayo NJ, Pigazzi M, Horton TM, Kornblau SM, Sakamoto KM. RSK inhibitor BI-D1870 inhibits acute myeloid leukemia cell proliferation by targeting mitotic exit. *Oncotarget.* 2020 Jun 23;11(25):2387-2403. doi: 10.18632/oncotarget. 27630. PMID: 32637030
21. Zhou Y, Han C, Wang E, Lorch AH, **Serafin V**, Cho BK, Gutierrez Diaz BT, Calvo J, Fang C, Khodadadi-Jamayran A, Tabaglio T, Marier C, Kuchmiy A, Sun L, Yacu G, Filip SK, Jin Q, Takahashi YH, Amici DR, Rendleman EJ, Rawat R, Bresolin S, Paganin M, Zhang C, Li H, Kandela I, Politanska Y, Abdala-Valencia H, Mendillo ML, Zhu P, Palhais B, Van Vlierberghe P, Taghon T, Aifantis I, Goo YA, Guccione E, Heguy A, Tsirigos A, Wee KB, Mishra RK, Pflumio F, Accordi B, Basso G, Ntziachristos P. Posttranslational Regulation of the Exon

- Skipping Machinery Controls Aberrant Splicing in Leukemia. *Cancer Discov.* 2020 Sep;10(9):1388-1409. doi: 10.1158/2159-8290.CD-19-1436. Epub 2020 May 22. PMID: 32444465
22. **Serafin V***, Porcù E, Cortese G, Mariotto E, Veltri G, Bresolin S, Basso G, Accordi B. SYK Targeting Represents a Potential Therapeutic Option for Relapsed Resistant Pediatric ETV6-RUNX1 B-Acute Lymphoblastic Leukemia Patients. *Int J Mol Sci.* 2019 Dec 7;20(24):6175. doi: 10.3390/ijms20246175. PMID: 31817853.* **Primo autore e autore corrispondente**
 23. Jin Q, Martinez CA, Arcipowski KM, Zhu Y, Gutierrez-Diaz BT, Wang KK, Johnson MR, Volk AG, Wang F, Wu J, Grove C, Wang H, Sokirniy I, Thomas PM, Goo YA, Abshiru NA, Hijiya N, Peirs S, Vandamme N, Berx G, Goossens S, Marshall SA, Rendleman EJ, Takahashi YH, Wang L, Rawat R, Bartom ET, Collings CK, Van Vlierberghe P, Strikoudis A, Kelly S, Ueberheide B, Mantis C, Kandela I, Bourquin JP, Bornhauser B, **Serafin V**, Bresolin S, Paganin M, Accordi B, Basso G, Kelleher NL, Weinstock J, Kumar S, Crispino JD, Shilatifard A, Ntziachristos P. USP7 Cooperates with NOTCH1 to Drive the Oncogenic Transcriptional Program in T-Cell Leukemia. *Clin Cancer Res.* 2019 Jan 1;25(1): 222-239. doi: 10.1158/1078-0432.CCR-18-1740. Epub 2018 Sep 17. PMID: 30224337
 24. De Smedt R, Peirs S, Morscio J, Matthijssens F, Roels J, Reunes L, Lintermans B, Goossens S, Lammens T, Van Roy N, Touzart A, Jenni S, Tsai YC, Lovisa F, Mussolin L, **Serafin V**, Van Nieuwerburgh F, Deforce D, Uyttebroeck A, Tousseyn T, Burkhardt B, Klapper W, De Moerloose B, Benoit Y, Macintyre E, Bourquin JP, Basso G, Accordi B, Bornhauser B, Meijerink J, Vandenberghe P, Van Vlierberghe P. Pre-clinical evaluation of second generation PIM inhibitors for the treatment of T-cell acute lymphoblastic leukemia and lymphoma. *Haematologica.* 2019 Jan; 104(1):e17-e20. doi: 10.3324/haematol.2018.199257. Epub 2018 Aug 3. PMID: 30076176
 25. Mariotto E, Viola G, Ronca R, Persano L, Aveic S, Bhujwala ZM, Mori N, Accordi B, **Serafin V**, López-Cara LC, Bortolozzi R. Choline Kinase Alpha Inhibition by EB-3D Triggers Cellular Senescence, Reduces Tumor Growth and Metastatic Dissemination in Breast Cancer. *Cancers (Basel).* 2018 Oct 22;10(10):391. doi: 10.3390/cancers10100391. PMID: 30360374
 26. Mariotto E, Bortolozzi R, Volpin I, Carta D, **Serafin V**, Accordi B, Basso G, Navarro PL, López-Cara LC, Viola G. EB-3D a novel choline kinase inhibitor induces deregulation of the AMPK-mTOR pathway and apoptosis in leukemia T-cells. *Biochem Pharmacol.* 2018 Sep;155:213-223. doi: 10.1016/j.bcp.2018.07.004. Epub 2018 Jul 11. PMID: 30006194.
 27. Zampini M, Tregnago C, Bisio V, Simula L, Borella G, Manara E, Zanon C, Zonta F, **Serafin V**, Accordi B, Campello S, Buldini B, Pession A, Locatelli F, Basso G, Pigazzi M. Epigenetic heterogeneity affects the risk of relapse in children with t(8;21)RUNX1-RUNX1T1-rearranged AML. *Leukemia.* 2018 May;32(5):1124-1134. doi: 10.1038/s41375-017-0003-y. Epub 2018 Feb 2. PMID: 29472719.
 28. **Serafin V**, Capuzzo G, Milani G, Minuzzo SA, Pinazza M, Bortolozzi R, Bresolin S, Porcù E, Frasson C, Indraccolo S, Basso G, Accordi B. Glucocorticoid resistance is reverted by LCK inhibition in pediatric T-cell acute lymphoblastic leukemia. *Blood.* 2017 Dec 21;130(25):2750-2761. doi: 10.1182/blood-2017-05-784603. Epub 2017 Nov 3. PMID: 29101238.
 29. **Serafin V**, Lissandron V, Buldini B, Bresolin S, Paganin M, Grillo F, Andriano N, Palmi C, Cazzaniga G, Marmioli S, Conter V, Basso G, Accordi B. Phosphoproteomic analysis reveals hyperactivation of mTOR/STAT3 and LCK/Calcineurin axes in pediatric early T-cell precursor ALL. *Leukemia.* 2017 Apr;31(4):1007-1011. doi: 10.1038/leu.2017.13. Epub 2017 Jan 13. PMID: 28082737.
 30. Cimmino F, Pezone L, Avitabile M, Persano L, Vitale M, Sassi M, Bresolin S, **Serafin V**, Zambrano N, Scaloni A, Basso G, Iolascon A, Capasso M. Proteomic Alterations in Response to Hypoxia Inducible Factor 2α in Normoxic Neuroblastoma Cells. *J Proteome Res.* 2016 Oct 7;15(10):3643-3655. doi: 10.1021/acs.jproteome.6b00457. Epub 2016 Sep 28. PMID: 27596920.

31. Trentin L, Bresolin S, Giarin E, Bardini M, **Serafin V**, Accordi B, Fais F, Tenca C, De Lorenzo P, Valsecchi MG, Cazzaniga G, Kronnie GT, Basso G. Deciphering KRAS and NRAS mutated clone dynamics in MLL-AF4 paediatric leukaemia by ultra deep sequencing analysis. *Sci Rep*. 2016 Oct 4;6:34449. doi: 10.1038/srep34449. PMID: 27698462
32. Tumino M, **Serafin V***, Accordi B, Spadini S, Forest C, Cortese G, Lissandron V, Marzollo A, Basso G, Messina C. Interleukin-22 in the diagnosis of active chronic graft-versus-host disease in paediatric patients. *Br J Haematol*. 2015 Jan;168(1):142-5. doi: 10.1111/bjh.13068. Epub 2014 Aug 7. PMID: 25098229. * **co-primo autore**
33. Pastò A, **Serafin V***, Pilotto G, Lago C, Bellio C, Trusolino L, Bertotti A, Hoey T, Plateroti M, Esposito G, Pinazza M, Agostini M, Nitti D, Amadori A, Indraccolo S. NOTCH3 signaling regulates MUSASHI-1 expression in metastatic colorectal cancer cells. *Cancer Res*. 2014 Apr 1;74(7):2106-18. doi: 10.1158/0008-5472.CAN-13-2022. Epub 2014 Feb 13. PMID: 24525742. * **co-primo autore**
34. Pillozzi S, Accordi B, Rebora P, **Serafin V**, Valsecchi MG, Basso G, Arcangeli A. Differential expression of hERG1A and hERG1B genes in pediatric acute lymphoblastic leukemia identifies different prognostic subgroups. *Leukemia*. 2014 Jun;28(6):1352-5. doi: 10.1038/leu.2014.26. Epub 2014 Jan 16. PMID: 24429499
35. Accordi B, Galla L, Milani G, Curtarello M, **Serafin V**, Lissandron V, Viola G, te Kronnie G, De Maria R, Petricoin EF 3rd, Liotta LA, Indraccolo S, Basso G. AMPK inhibition enhances apoptosis in MLL-rearranged pediatric B-acute lymphoblastic leukemia cells. *Leukemia*. 2013 Apr;27(5):1019-27. doi: 10.1038/leu.2012.338. Epub 2012 Nov 21. PMID: 23228943.
36. Ghisi M, Corradin A, Basso K, Frasson C, **Serafin V**, Mukherjee S, Mussolin L, Ruggero K, Bonanno L, Guffanti A, De Bellis G, Gerosa G, Stellin G, D'Agostino DM, Basso G, Bronte V, Indraccolo S, Amadori A, Zanovello P. Modulation of microRNA expression in human T-cell development: targeting of NOTCH3 by miR-150. *Blood*. 2011 Jun 30;117(26):7053-62. doi: 10.1182/blood-2010-12-326629. Epub 2011 May 6. PMID: 21551231.
37. **Serafin V**, Persano L, Moserle L, Esposito G, Ghisi M, Curtarello M, Bonanno L, Masiero M, Ribatti D, Stürzl M, Naschberger E, Croner RS, Jubb AM, Harris AL, Koeppen H, Amadori A, Indraccolo S. Notch3 signalling promotes tumour growth in colorectal cancer. *J Pathol*. 2011 Aug;224(4):448-60. doi: 10.1002/path.2895. Epub 2011 May 19. PMID: 21598247.
38. Rapp UR, Korn C, Ceteci F, Karreman C, Luetkenhaus K, **Serafin V**, Zanucco E, Castro I, Potapenko T. MYC is a metastasis gene for non-small-cell lung cancer. *PLoS One*. 2009 Jun 24;4(6):e6029. doi: 10.1371/journal.pone.0006029. PMID: 19551151

Modena 04.07.25

