

MARIA ROSARIA SAPIENZA

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EDUCATION

2011: PhD in Biomedical Sciences – Cycle XXIII

Haematopathology Unit, Department of Hematology and Oncological Sciences “L. and A. Seràgnoli”, S.Orsola-Malpighi Hospital, University of Bologna, Italy.

Dissertation: “SNPs array karyotyping reveals recurrent lesions in Primary Myelofibrosis”.

2007: Master of Science in Molecular and Cellular Biology

Department of Molecular and Cell Biology, Faculty of Mathematical, Physical and Natural Sciences, University of Bologna, Italy.

Dissertation: “Molecular Monitoring of Minimal Residual Disease in Follicular Lymphoma”.

2005: Bachelor of Science in Molecular Biology

Department of Experimental Evolutionary Biology, Faculty of Mathematical, Physical and Natural Sciences, - Botanic Institute, University of Bologna, Italy.

Dissertation: “Protein analysis and gene expression of polyamines and their biosynthetic enzymes in tobacco leaf explants treated with spermidin and oligogalatturonides”.

PROFESSIONAL EXPERIENCE

2019 - to present: Postdoc Research Fellow

Division of Hematopathology, IEO European Institute of Oncology IRCCS, Milan, Italy.

Main activities:

- Analysis of the tumor microenvironment in terms of gene expression profiling and cell type profiling in patients affected by hematological diseases.

2017 - 2018: Postdoc Research Fellow

Haematopathology Unit, Department of Specialistic, Diagnostic and Experimental Medicine (DIMES), S.Orsola-Malpighi Hospital, University of Bologna, Italy.

Main activities:

- Mutational study of myeloproliferative diseases.

2014 - 2017: Research Assistant (RTD-A)

Haematopathology Unit, Department of Specialistic, Diagnostic and Experimental Medicine (DIMES), S.Orsola-Malpighi Hospital, University of Bologna, Italy.

Main activities:

- Conduction of translational medicine projects aimed at the identification of new prognostic and therapeutic markers in hematological diseases.
- Molecular characterization of lymphoid and myeloid disorders using Next Generation Sequencing and Microarray techniques.
- Practical and theoretical training of undergraduates and PhD student in biological sciences.

2010 - 2013: Research Fellow

Haematopathology Unit, Department of Specialistic, Diagnostic and Experimental Medicine (DIMES), S.Orsola-Malpighi Hospital, University of Bologna, Italy.

Main activities:

- Study of the exome and transcriptome of T-cell lymphomas and a rare haematological disease, namely blastic plasmacytoid dendritic cell neoplasm (BPDCN).
- Identification of new therapeutic approaches in peripheral T-cell lymphomas and blastic plasmacytoid dendritic cell neoplasm (BPDCN).

03 - 08/2011: Research Fellow

Comprehensive Cancer Center, Ohio State University, Columbus, OH, US – Prof. C.M. Croce, M.D.

Main activities:

- Study of the role of microRNAs in the rare blastic plasmacytoid dendritic cell neoplasia (BPDCN).

2008 - 2011: PhD internship

Haematopathology Unit, Department of Hematology and Oncological Sciences “L. and A. Seràgnoli”, S.Orsola-Malpighi Hospital, University of Bologna, Italy.

Main activities:

- Molecular characterization of Primary Myelofibrosis by SNPs array karyotyping technique.
- Characterization of gene expression profile in different subtypes of Burkitt's lymphoma

2006 - 2007: MS internship

Haematopathology Unit, Department of Hematology and Oncological Sciences “L. and A. Seràgnoli”, S.Orsola-Malpighi Hospital, University of Bologna, Italy

Main activities:

- Evaluation of Minimal Residual Disease in Follicular Lymphoma.

FUNDED RESEARCH PROJECTS

The leading role I played in the conduction of scientific studies funded by Associazione Italiana per la Ricerca sul Cancro (AIRC) is proven by the publications and conference presentations in which I appear as first or last author.

2018 - 2025: AIRC 5xMille Consortium Special Program Metastases

“Molecular bases of disease dissemination in lymphoid malignancies to optimize curative therapeutic strategies”. Coordinator: Prof. R. Foà, Hematology Department of Translational and Precision Medicine, "Sapienza" University, Rome, Italy.

2010 - 2017: AIRC 5xMille Consortium Special Program Molecular Clinical Oncology. “Genetics driven targeted management of lymphoid malignancies”. Coordinator: Prof. R. Foà, Hematology Department of Translational and Precision Medicine, "Sapienza" University, Rome, Italy.

AWARDS AND HONORS

09/06/2023: National scientific qualification for Associate Professor – sectors: 06/A2-General and clinical pathology.
06/N1-Sciences of health professions and applied medical technologies.

10/04/2018: The Best Poster Prize – “Blastic Plasmacytoid Dendritic Cell Neoplasm: genomics mark epigenetic dysregulation as a primary therapeutic target”. 19th Meeting of the European Association for Haematopathology (EAHP). Edinburgh, Scotland.

11/13 - 14/2014: Winner of Under 40 in Hematology – young hematologists in comparison. Under 40 in Hematology was founded in 2012 to offer young Italian hematologists a space for discussion and comparison. Rome, Italy.

24/01/2011: European Molecular Biology Organization – Winner of fellowship funded by the European Molecular Biology Organization (EMBO) to conduct research at the Comprehensive Cancer Center, Ohio State University, Columbus, OH, US. Research topic: "MicroRNA profiling of Blastic Plasmacytoid Dendritic Cell Neoplasm."

09/21 - 25/2010: Award to the Best Paper of Haematopathology – “Identification of novel cryptic chromosomal abnormalities in primary myelofibrosis by single nucleotide polymorphism oligonucleotide microarray”- Rotary Club Bologna - Italian Society of Pathological Anatomy and Cytology - SIAPEC: Bologna, Italy..

2008: National Order of Biologists – Licensed to practice as a Biologist obtained from the University of Bologna and registered with the National Order of Biologists Sec. A . Num: 060192

ORAL PRESENTATIONS

06/14 - 17/2018 Congress Speaker: “Integrative analysis of genomic data repositions the use of 5'-azacytidine and decitabine in blastic plasmacytoid dendritic cell neoplasm treatment”. 23rd Congress of the European Hematology Association - EHA - Stockholm, Sweden.

05/22 - 25/2012 Congress Speaker: “The Microarray technology”. XIX National Course for Biomedical Laboratory Technicians. Riccione, Italy.

10/16 - 19/2011 Congress Speaker in plenary session: “SNPs array karyotyping reveals a novel recurrent 20p13 amplification in Primary Myelofibrosis”. Italian Society of Hematology – SIE – 43rd National Congress Italian Society of Hematology SIE. Naples, Italy.

09/21 - 25/2010 Congress Speaker: “Identification of novel cryptic chromosomal abnormalities in primary myelofibrosis by single nucleotide polymorphism oligonucleotide microarray”. National Congress - Italian Society of Pathological Anatomy and Cytology - SIAPEC: Bologna, Italy.

TEACHING ACTIVITIES

2020 - 2021: Supervisor of a Master's Thesis Project in Molecular Biology, University of Milano-Bicocca. Dissertation: "Next-generation molecular techniques for the study of blastic plasmacytoid dendritic cell neoplasia (BPDCN)". Candidate: Vincenzo Mazzara a.a 2020-2021.

2011 - 2012: Supervisors of a Master's Thesis Project in Molecular and Cellular Biology - University of Bologna. Dissertation: "Identification and validation of new therapeutic targets in BPDCN by integrated genomic analysis ". Candidate: Caterina Masaracchia a.a 2011-2012

2010 - 2017: Supervisors of Master and PhD Thesis Projects of students in the Biomedical Sciences at Unit of Haematopathology, Department of Specialty, Diagnostic and Experimental Medicine (DIMES), University of Bologna.

TECHNICAL SKILLS

Next-Generation Sequencing and Microarrays: Knowledge of next-generation sequencing techniques, in particular of the Illumina platform. Ability to interpret and evaluate sequencing data. Experimental planning and preparation of different types of arrays for the study of gene expression, microRNAs and genomic alterations (gene expression arrays, genome-wide SNPs arrays, microRNA cards, Nanostring assays), belonging to different platforms and chemistries (Sophiagenetics, Affymetrix, Life Technologies, Nanostring Technologies).

Molecular and Cellular Biology techniques: Acquisition of techniques for setting up and maintaining of human cell cultures by adhesion and suspension, assessment of cell viability and cell death by different assays (MTT assay, Trypan blue assay, Cell Titer-Glo assay, Alamar blue assay, BrdU assay), cell transfection of microRNAs by nucleofection, pharmacological treatment of cell lines. Preparation of cytoinclusions from cell pellets. Isolation of mononuclear cells by density gradient using Ficoll technique. Extraction and purification of DNA and RNA from fresh, cryopreserved or paraffin-embedded tissues. Primer design and set-up of qualitative and quantitative PCR on DNA, mRNA and microRNA.

Language and computer skills: Use of specific programs for biomolecular analysis: Graph Prism; Real Time PCR analysis with SDS v2.3; PCR primer design with Primer Premier, Express, Genedistiller; high resolution cytogenetic study with SNPs array with Affymetrix Genotyping Console and Partek, differential expression and cell type profiling analysis with nSolver NanoString. Use of software for managing publications and bibliographic material: EndNote, Zotero. Use of databases: NCBI, GO, Ensemble Genome Browser, miRBase, Database of Genomic Variants, USCS). Use of Windows and MAC OS, Microsoft Office, Adobe Photoshop. Fluent English.

TRAINING COURSES

Master in Bioinformatics and Functional Genomics

2022 – to present: II level master by University of Milan, Italy.

Introduction to Clinical Trial Design

2022: “Design and Conduct of Clinical Trials” course provided by Johns Hopkins University on Coursera.

European Project Design

2022: Master in European project management by Venice International University.

2018: European project management by Europa Cube Innovation Business School of Bologna, Italy.

2018: “Communication, Dissemination and Exploitation” by the Agency for the Promotion of European Research (APRE).

2017: "Bando Marie Skłodowska-Curie actions (MSCA) IF" by the Agency for the Promotion of European Research (APRE).

Data Visualization

2019: "Data visualization" by Dataninja school.

Scientific writing

2012: "Writing the science" course provided by Stanford University on Coursera.

Development of soft skills for working in team

2021: Agile Project Management at European Institute of Oncology (IEO), Milan.

2020: Intelligenza emotiva at European Institute of Oncology (IEO), Milan.

2020: Creative Problem Solving at European Institute of Oncology (IEO), Milan.

2019: Problem Solving at European Institute of Oncology (IEO), Milan.

2019: Public Speaking at European Institute of Oncology (IEO), Milan.

High-resolution techniques

2017: Training on Next Generation Sequencing at Sophiagenetics, Geneve

2016: Training Digital PCR RainDance - Diatech Pharmacogenetics

2011: Training on Next Generation Sequencing - Illumina

2009: Training Partek on bioinformatic analysis of array data

2008: Training Integrated Genomics - Affymetrix

2008: Training SNP 6.0 Cytogenetics - Affymetrix

PUBLICATIONS

Alberti-Violetti, S.*, **Sapienza, M.R.***, Del Corvo, M.*, Melle, F., Motta, G., Venegoni, L., Cerroni, L., Cota, C., Pileri, A., Berti, E., Pileri, S.A (2023). A Microenvironment-Related Nine-Gene Signature May Predict Survival in Mycosis Fungoides Patients at Diagnosis. *Cells* 12, 1944. <https://doi.org/10.3390/cells12151944>

Sapienza, M. R., Chiaretti, S., Cardinali, D., Mazzara, S., Chiarle, R., Foà, R. & Pileri, S.A. (2023). A five-gene signature may associate with central nervous system dissemination in adult acute lymphoblastic leukemia. *Hematological oncology*, 10.1002/hon.3136. Advance online publication. <https://doi.org/10.1002/hon.3136>

Tabanelli, V., Melle, F., Motta, G., Mazzara, S., Fabbri, M., Agostinelli, C., Calleri, A., Del Corvo, M., Fiori, S., Lorenzini, D., Cesano, A., Chiappella, A., Vitolo, U., Derenzini, E., Griffin, G. K., Rodig, S. J., Vanazzi, A., Sabattini, E., Tarella, C., **Sapienza, M. R.** & Pileri, S.A. (2022). The identification of TCF1+ progenitor exhausted T cells in THRLBCL may predict a better response to PD-1/PD-L1 blockade. *Blood advances*, 6(15), 4634–4644. <https://doi.org/10.1182/bloodadvances>.

Sapienza, M. R., Benvenuto, G., Ferracin, M., Mazzara, S., Fuligni, F., Tripodo, C., Belmonte, B., Fanoni, D., Melle, F., Motta, G., Tabanelli, V., Consiglio, J., Mazzara, V., Del Corvo, M., Fiori, S., Pileri, A., Dellino, G. I., Cerroni, L., Facchetti, F., Berti, E., ... Pileri, S. A. (2021). Newly-Discovered Neural Features Expand the Pathobiological Knowledge of Blastic Plasmacytoid Dendritic Cell Neoplasm. *Cancers*, 13(18), 4680. <https://doi.org/10.3390/cancers13184680>

Sapienza, M. R., Fuligni, F., Melle, F., Tabanelli, V., Indio, V., Laginestra, M. A., Motta, G., Mazzara, S., Cerroni, L., Pileri, A., Facchetti, F., Paulli, M., Cascione, L., Laganà, A., Berti, E., Ferracin, M., Agostinelli, C., Sabattini, E., Croce, C. M., & Pileri, S. A. (2020). MicroRNA profiling of blastic plasmacytoid dendritic cell neoplasm and myeloid sarcoma. *Hematological oncology*, 38(5), 831–833. <https://doi.org/10.1002/hon.2782>

Sapienza, M. R., & Pileri, S. (2020). Molecular Features of Blastic Plasmacytoid Dendritic Cell Neoplasm: DNA Mutations and Epigenetics. *Hematology/oncology clinics of North America*, 34(3), 511–521. <https://doi.org/10.1016/j.hoc.2020.01.002>

Tabanelli, V., Melle, F., Motta, G., Mazzara, S., Fabbri, M., Corsini, C., Gerbino, E., Calleri, A., **Sapienza, M. R.**, Abbene, I., Stufano, V., Barberis, M., & Pileri, S. A. (2020). Evolutionary crossroads: morphological heterogeneity reflects divergent intra-clonal evolution in a case of high-grade B-cell lymphoma. *Haematologica*, 105(8), e432–e436. <https://doi.org/10.3324/haematol.2020.249664>

Laginestra, M. A., Cascione, L., Motta, G., Fuligni, F., Agostinelli, C., Rossi, M., **Sapienza, M. R.**, Righi, S., Broccoli, A., Indio, V., Melle, F., Tabanelli, V., Calleri, A., Novero, D., Facchetti, F., Inghirami, G., Sabattini, E., Bertoni, F., & Pileri, S. A. (2020). Correction: Whole exome sequencing reveals mutations in FAT1 tumor suppressor gene clinically impacting on peripheral T-cell lymphoma not otherwise specified. *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*, 33(2), 319. <https://doi.org/10.1038/s41379-019-0376-8>

Sapienza, M. R., Pileri, A., Derenzini, E., Melle, F., Motta, G., Fiori, S., Calleri, A., Pimpinelli, N., Tabanelli, V., & Pileri, S. (2019). Blastic Plasmacytoid Dendritic Cell Neoplasm: State of the Art and Prospects. *Cancers*, 11(5), 595. <https://doi.org/10.3390/cancers11050595>

Sapienza, M. R., Abate, F., Melle, F., Orecchioni, S., Fuligni, F., Etebari, M., Tabanelli, V., Laginestra, M. A., Pileri, A., Motta, G., Rossi, M., Agostinelli, C., Sabattini, E., Pimpinelli, N., Truni, M., Falini, B., Cerroni, L., Talarico, G., Piccioni, R., Amente, S., ... Pileri, S. A. (2019). Blastic plasmacytoid dendritic cell neoplasm: genomics mark epigenetic dysregulation as a primary therapeutic target. *Haematologica*, 104(4), 729–737. <https://doi.org/10.3324/haematol.2018.202093>

Laginestra, M. A., Tripodo, C., Agostinelli, C., Motta, G., Hartmann, S., Döring, C., Rossi, M., Melle, F., **Sapienza, M. R.**, Tabanelli, V., Pileri, A., Fuligni, F., Gazzola, A., Mannu, C., Sagrarnoso, C. A., Lonardi, S., Lorenzi, L., Bacci, F., Sabattini, E., Borges, A., ... Pileri, S. A. (2017). Distinctive Histogenesis and Immunological Microenvironment Based on Transcriptional Profiles of Follicular Dendritic Cell Sarcomas. *Molecular cancer research : MCR*, 15(5), 541–552. <https://doi.org/10.1158/1541-7786.MCR-16-0301>

Palandri, F., Catani, L., Bonifacio, M., Benevolo, G., Heidel, F., Palumbo, G. A., Crugnola, M., Abruzzese, E., Bartoletti, D., Polverelli, N., Bergamaschi, M., Tiribelli, M., Iurlo, A., Breccia, M., Cavazzini, F., Tieghi, A., Binotto, G., Isidori, A., Martino, B., D'Adda, M., ... **Sapienza, M. R.** and Latagliata, R. (2018). Ruxolitinib in elderly patients with myelofibrosis: impact of age and genotype. A multicentre study on 291 elderly patients. *British journal of haematology*, 183(1), 35–46. <https://doi.org/10.1111/bjh.15497>

Picaluga, P. P., Navari, M., De Falco, G., Ambrosio, M. R., Lazzi, S., Fuligni, F., Bellan, C., Rossi, M., **Sapienza, M. R.**, Laginestra, M. A., Etebari, M., Rogena, E. A., Tumwine, L., Tripodo, C., Gibellini, D., Consiglio, J., Croce, C. M., Pileri, S. A., & Leoncini, L. (2016). Virus-encoded microRNA contributes to the molecular profile of EBV-positive Burkitt lymphomas. *Oncotarget*, 7(1), 224–240. <https://doi.org/10.18632/oncotarget.4399>

Laginestra, M. A., Piccaluga, P. P., Fuligni, F., Rossi, M., Agostinelli, C., Righi, S., **Sapienza, M. R.**, Motta, G., Gazzola, A., Mannu, C., Sabattini, E., Bacci, F., Tabanelli, V., Sacchetti, C. A., Barrese, T. Z., Etebari, M., Melle, F., Clò, A., Gibellini, D., Tripodo, C., ... Pileri, S. A. (2014). Pathogenetic and diagnostic significance of microRNA deregulation in peripheral T-cell lymphoma not otherwise specified. *Blood cancer journal*, 4(11), 259. <https://doi.org/10.1038/bcj.2014.78>

Sapienza, M. R., Fuligni, F., Agostinelli, C., Tripodo, C., Righi, S., Laginestra, M. A., Pileri, A., Jr, Mancini, M., Rossi, M., Ricci, F., Gazzola, A., Melle, F., Mannu, C., Ulbar, F., Arpinati, M., Paulli, M., Maeda, T., Gibellini, D., Pagano, L., Pimpinelli, N., ... AIRC 5xMille consortium 'Genetics-driven targeted management of lymphoid malignancies and the Italian Registry on Blastic Plasmacytoid Dendritic Cell Neoplasm (2014). Molecular profiling of blastic plasmacytoid dendritic cell neoplasm reveals a unique pattern and suggests selective sensitivity to NF-kB pathway inhibition. *Leukemia*, 28(8), 1606–1616. <https://doi.org/10.1038/leu.2014.64>

Piccaluga, P. P., Rossi, M., Agostinelli, C., Ricci, F., Gazzola, A., Righi, S., Fuligni, F., Laginestra, M. A., Mancini, M., **Sapienza, M. R.**, De Renzo, A., Tazzari, P. L., Gibellini, D., Went, P., Alviano, F., Zinzani, P. L., Bagnara, G. P., Inghirami, G., Tripodo, C., & Pileri, S. A. (2014). Platelet-derived growth factor alpha mediates the proliferation of peripheral T-cell lymphoma cells via an autocrine regulatory pathway. *Leukemia*, 28(8), 1687–1697. <https://doi.org/10.1038/leu.2014.50>

Gazzola, A., Mannu, C., Rossi, M., Laginestra, M. A., **Sapienza, M. R.**, Fuligni, F., Etebari, M., Melle, F., Sabattini, E., Agostinelli, C., Bacci, F., Sagramoso Sacchetti, C. A., Pileri, S. A., & Piccaluga, P. P. (2014). The evolution of clonality testing in the diagnosis and monitoring of hematological malignancies. *Therapeutic advances in hematology*, 5(2), 35–47. <https://doi.org/10.1177/2040620713519729>

Rossi, M., Fuligni, F., Ciccone, M., Agostinelli, C., Righi, S., Luciani, M., Laginestra, M. A., Rigolin, G. M., **Sapienza, M. R.**, Gazzola, A., Mannu, C., Cuneo, A., Pileri, S., & Piccaluga, P. P. (2013). Hsa-miR-15a and Hsa-miR-16-1 expression is not related to proliferation centers abundance and other prognostic factors in chronic lymphocytic leukemia. *BioMed research international*, 2013, 715391. <https://doi.org/10.1155/2013/715391>

Bonifazi, F., Storci, G., Bandini, G., Marasco, E., Dan, E., Zani, E., Albani, F., Bertoni, S., Bontadini, A., De Carolis, S., **Sapienza, M. R.**, Rizzi, S., Motta, M. R., Ferioli, M., Garagnani, P., Cavo, M., Mantovani, V., & Bonafè, M. (2014). Glutathione transferase-A2 S112T polymorphism predicts survival, transplant-related mortality, busulfan and bilirubin blood levels after allogeneic stem cell transplantation. *Haematologica*, 99(1), 172–179. <https://doi.org/10.3324/haematol.2013.089888>

Piccaluga, P. P., Fuligni, F., De Leo, A., Bertuzzi, C., Rossi, M., Bacci, F., Sabattini, E., Agostinelli, C., Gazzola, A., Laginestra, M. A., Mannu, C., **Sapienza, M. R.**, Hartmann, S., Hansmann, M. L., Piva, R., Iqbal, J., Chan, J. C., Weisenburger, D., Vose, J. M., Bellei, M., ... Pileri, S. A. (2013). Molecular profiling improves classification and prognostication of nodal peripheral T-cell lymphomas: results of a phase III diagnostic accuracy study. *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*, 31(24), 3019–3025. <https://doi.org/10.1200/JCO.2012.42.5611>

Piccaluga, P. P., Paolini, S., **Sapienza, M. R.**, & Pileri, S. A. (2012). Blastic plasmacytoid dendritic cell neoplasm: is it time to redefine the standard of care?. *Expert review of hematology*, 5(4), 353–355. <https://doi.org/10.1586/ehm.12.33>

Rossi, M., Laginestra, M. A., Gazzola, A., **Sapienza, M. R.**, Pileri, S. A., & Piccaluga, P. P. (2012). Molecular profiling of aggressive lymphomas. *Advances in hematology*, 2012, 464680. <https://doi.org/10.1155/2012/464680>

Visani, G.,***Sapienza, M. R.**,* Isidori, A., Tripodo, C., Laginestra, M. A., Righi, S., Sagramoso Sacchetti, C. A., Gazzola, A., Mannu, C., Rossi, M., De Nictolis, M., Valentini, M., Donati, M., Emiliani, R., Alesiani, F., Paolini, S., Finelli, C., Pileri, S. A., & Piccaluga, P. P. (2011). SNPs array karyotyping reveals a novel recurrent 20p13 amplification in primary myelofibrosis. *PloS one*, 6(11), e27560. <https://doi.org/10.1371/journal.pone.0027560>

Piccaluga, P. P., Agostinelli, C., Gazzola, A., Tripodo, C., Bacci, F., Sabattini, E., Sista, M. T., Mannu, C., **Sapienza, M. R.**, Rossi, M., Laginestra, M. A., Sagramoso-Sacchetti, C. A., Righi, S., & Pileri, S. A. (2011). Pathobiology of hodgkin lymphoma. *Advances in hematology*, 2011, 920898.<https://doi.org/10.1155/2011/920898>

Piccaluga, P. P., De Falco, G., Kustagi, M., Gazzola, A., Agostinelli, C., Tripodo, C., Leucci, E., Onnis, A., Astolfi, A., **Sapienza, M. R.**, Bellan, C., Lazzi, S., Tumwine, L., Mawanda, M., Ogwang, M., Calbi, V., Formica, S., Califano, A., Pileri, S. A., & Leoncini, L. (2011). Gene expression analysis uncovers similarity and differences among Burkitt lymphoma subtypes. *Blood*, 117(13), 3596–3608. <https://doi.org/10.1182/blood-2010-08-301556>

Mannu, C., Gazzola, A., Bacci, F., Sabattini, E., Sagramoso, C., Roncolato, F., Rossi, M., Laginestra, M. A., **Sapienza, M. R.**, Agostinelli, C., De Leo, A., Piccioli, M., Righi, S., Artioli, P., Chilli, L., Da Pozzo, G., De Biase, G., Sandri, F., Pileri, S. A., & Piccaluga, P. P. (2011). Use of IGK gene rearrangement analysis for clonality assessment of lymphoid malignancies: a single center experience. *American journal of blood research*, 1(2), 167–174.

Gazzola, A., Sista, M. T., Agostinelli, C., Righi, S., **Sapienza, M. R.**, Mannu, C., Rossi, M., Bacci, F., Sabattini, E., Went, P., Zinzani, P. L., Pileri, S. A., & Piccaluga, P. P. (2011). CDKN1B/p27 expression in peripheral T cell lymphoma not otherwise specified.*Journal of clinical pathology*,64(1), 83–87. <https://doi.org/10.1136/jcp.2010.083832>

Piccaluga, P. P., **Sapienza, M. R.**, Agostinelli, C., Sagramoso, C., Mannu, C., Sabattini, E., Zinzani, P. L., & Pileri, S. A. (2009). Biology and treatment of follicular lymphoma. *Expert review of hematology*, 2(5), 533–

POSTERS AND ABSTRACTS

Siciliano M, Tornambè S, Del Corvo M, Granai M, Mundo L, **Sapienza MR**, Arcuri F, Mancini V, Santi R, Di Stefano G, Marafioti T, Ott G, Siebert R, Quintanilla L, Fend F, Pileri S, Leoncini L, Lazzi S. Epstein-Barr virus orchestrate the tumor microenvironment of burkitt lymphoma, *Leukemia Research*, Volume 121, Supplement, 2022,Page S9,ISSN 0145-2126, [https://doi.org/10.1016/S0145-2126\(22\)00206-5](https://doi.org/10.1016/S0145-2126(22)00206-5).

Del Corvo M, **Sapienza MR**, Siciliano M, Tornambè S, Mazzara S, Granai M,... Leoncini, 068 - “Burkitt-like lymphoma with 11q aberration”: neither Burkitt-lymphoma nor Diffuse Large B-Cell Lymphoma. what the microenvironment tells us. *Leukemia Research*, Volume 121, Supplement, 2022, Page S46,ISSN 0145-2126.

Williams E, Pileri SA, **Sapienza MR**, Barrionuevo C, Bacchi C, Battistella M, Petrella T, Guenova E, Dueñas D, Casavilca S, Khoury JD, Plaza J, Porcu P, Gru AA.(2021) Molecular

Characterization Using Oncoscan Chromosome Microarray in an International Cohort of 51 Patients with Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN). *Blood* 2021; 138 (Supplement 1): 3497.

Derenzini E, Del Corvo M, Quattrocchi MC, Castelli M, **Sapienza MR**, Mazzara S, Fiori S, Vanazzi A, Ramadan SM, Pileri SA, Tarella C. (2021) Follicular Lymphoma Microenvironment Signatures Define Patients Subsets Obtaining Long Term Clinical Benefit after Single-Agent First-Line Anti-CD20 Immunotherapy. *Blood* 2021; 138 (Supplement 1): 3500.

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