

PERSONAL INFORMATION

Carmelo Gurnari, MD PhD (31/5/1989) CF GRNCML89E31F112E



Autorizzo il trattamento dei dati personali ai sensi del regolamento UE 679/2016

Board Certification: Ordine dei Medici Chirurghi e degli Odontoiatri della provincia di Reggio Calabria, Medicine (2016)

Residency & Hematology Fellowship: University of Tor Vergata (2016-2020)

Ph.D Program in “Immunology, Molecular Medicine and Applied Biotechnology”, University of Rome Tor Vergata, Italy

Department of Translational Hematology and Oncology Research,
Taussig Cancer Institute, Cleveland Clinic,

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CURRENT POSITION

Assistant Professor of Hematology, Faculty of Medicine of Tor Vergata University, Rome, Italy & Visiting Scholar at Cleveland Clinic Foundation, Lerner Research Institute, Taussig Cancer Center, Department of Translational Hematology and Oncology Research

PROFESSIONAL EXPERIENCE

2021-2022: Mentor for EHA Masterclass 2020/21

Sep 2019-ongoing: Cleveland Clinic, Lerner Research Institute, Taussig Cancer Center

Nov2020-Oct2023: PhD in Immunology, Molecular Medicine and Applied Biotechnology

Nov 2016-2020: Residency & Hematology Fellowship, University of Tor Vergata, Rome

Sept 2015-Oct 2016: Clinical research fellow at “Bambino Gesù” Hospital Onco-Hematology Department of Bone Marrow Transplant

EDUCATION AND TRAINING

Nov 2021: PhD defense. VEXAS: further characterization of a newly discovered syndrome” *summa cum laude*

2019-2020: EHA Masterclass 2019/20 and EHA bite-size Master Class on Thrombosis

Nov 2020: Hematology specialization, University of Rome Tor Vergata, 50/50 *summa cum laude* with a thesis entitled “The Genomic Landscape of Myeloid Neoplasms Evolved from Aplastic Anemia/Paroxysmal Nocturnal Hemoglobinuria”

Nov 2009-Jul 2015: “Medicine and Surgery degree” University of Pavia, 110/110 *summa cum laude* and *special honorific mention* for outstanding academic curriculum with a thesis entitled “Infusion of T lymphocytes transduced with a suicide gene to accelerate immune recovery after TCR $\alpha\beta$ + /CD19+ cell depleted haploidentical hematopoietic allogeneic stem cell transplantation”.

PRIZES, GRANTS & AWARDS

1. **“Monoriti” Prize** (Medicine session), December 2015
2. **“Stelle del Sud” Prize**, Junior session for Pediatric Onco-hematology, August 2016
3. Sep 2017- Tomy’s finalist (**Teva’s Orphan hematological Malignancies award for Young hematologists**) at the 7th International Symposium on Acute Promyelocytic Leukemia (APL) in Rome
4. **ESH Scholarship** for the International Conference on Myelodysplastic Syndromes, Mandelieu Congress Center, Mandelieu, France, April 26-28, 2018
5. **Lilli foundation award** for the best translational oncology research project (March 2019)
6. **“Cosma & Damiano” Prize** (Sep 2019) (publication on chemotherapy-free approach for pediatric acute promyelocytic leukemia)
7. **American-Italian Cancer Foundation Post-Doctoral Research Fellowship: 2020-21**
8. **ASH-IPIG Abstract Achievement Award for Paroxysmal Nocturnal Hemoglobinuria (PNH) 2020** *“Implication of Piga Genotype on Clinical Features of PNH”*
9. **ASH Abstract Achievement Award 2020**
10. **American Association for the Advancement of Science nominee for the “Science Program for Excellence in Science 2020”**
11. **Finalist for Best Poster at Under 40 in hematology competition 2020**
12. **Best Young EBMT Abstracts Award 2021:** *“The Genomic Landscape of Myeloid Neoplasms Arising from Aplastic Anemia and Paroxysmal Nocturnal Hemoglobinuria”*
13. **Best Young EBMT Abstracts Award 2021:** *“Genomic Configuration of TP53 Mutations in Patients with Myeloid Neoplasia”*
14. **ESH Scholarship** for the International Conference on Myelodysplastic Syndromes, Mandelieu Congress Center, Mandelieu, France, January 28-31,2021
15. **Moscatti Prize “Angelo della Vita” 2021, under the purview of the President of Italy**, for the choice of a medical career in Onco-hematology after the traumatic experience of a lymphoma diagnosis

16. Cleveland Clinic Alumni Association Postdoctoral Fellow Award 2021 1st cycle

17. Cover Page of Blood Journal Volume 137, Issue 26, July 1st 2021

18. Tito Bastianello Young Investigator Award for Clinical Research 2021

19. ASH Abstract Achievement Award 2021

20. Cleveland Clinic Alumni Association Postdoctoral Fellow Award 2021 2nd cycle

21. Evans-MDS Young Investigator Grant 2022

22. ASH Abstract Achievement Award 2022

23. ASH-IPIG award 2022

24. Under40 In Hematology Best Clinical Project

25. ASH Abstract Achievement Award 2023

PERSONAL SKILLS

Native language (s): Italian, English TOEFL score 97 (February 2019) and currently living in the USA

Language	Listening	Reading	Spoken interaction	Spoken production	Writing
English	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2
Portuguese	B1	B1	A2	A2	A2
French	B1	B1	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

SERVICES, COMMITTEES and MEMBERSHIP

Member of:

1. American Association for the Advancement of Science /Science Program for Excellence in Science
2. Italian Society of Hematology
3. Italian Society of Experimental Hematology
4. European Society of Hematology
5. International Paroxysmal Nocturnal Hemoglobinuria Interest Group
6. EBMT trainee Committee (Trainees Podcast Curator)
7. Expert Reviewer for the National Library of Medicine NIH

Invited faculty speaker:

-**DISCUTIAMONE INSIEME SIES** 2021, September (webinair): “Intelligenza artificiale e terapia personalizzata nelle sindromi mielodisplastiche”

-**48° EBMT Annual Meeting**, Prague, March 2022: “VEXAS a new disorder”

-**AIL Leukemia**, Rome 2022, May: “VEXAS”

- **EBMT CMWP Educational Meeting**, Milan, October 2022: “Debate: Every 'fit' VEXAS patient with a donor should be considered for allo-HCT”

-**ITCTC 2023 EBMT**, Barcelona. September: “What a trainee should know about germline predisposition for donor selection”

- **Swiss Onco-hematology society annual meeting**, November 2023: “VEXAS: diagnosis and treatment”

- **3rd Regional Symposium on Myelodysplastic Syndromes, Japan** Kyoto March 24: “DDX41”

Reviewer of abstracts for:

-EBMT annual meeting (2021, 2022, 2023)

-EHA annual meeting (2023)

-ASH annual meeting (2023)

Abstracts (only first/last author roles)

1. Arsenic trioxide (ATO) and all-trans retinoic acid (ATRA) for treatment of pediatric acute promyelocytic leukemia. **Gurnari Carmelo**. Strocchio L. Vinti L. Santoro N., Micalizzi C., Putti C, Zecca M., Menna G., Merli P. , Gaspari S. , Girardi K. , Basso G. , Testi A.M., Lo-Coco F., Locatelli F. (**Finalist of Tomy's award 2017 for the 7th International Symposium on Acute Promyelocytic Leukemia**)

2. Role of transcription factors implicated in late megakaryopoiesis in patients with higher-risk myelodysplastic syndrome or low-blast count acute myeloid leukemia, receiving azacitidine as bridge to hematopoietic stem cell transplantation. **Carmelo Gurnari***, Giulia Falconi*, Emiliano Fabiani*, Luana Fianchi, Carlo Finelli, Marianna Criscuolo, Elisa Cerqui, Alfredo Molteni, Matteo Parma, Simona Sica, Licia Iaccarino, Tiziana Ottone, Francesco Buccisano, Luca Maurillo, Ambra Di Veroli, Anna Candoni, Luca Laurenti, Alfonso Piciocchi, Francesco Lo-Coco, Maria Teresa Voso. **Oral presentation and scholarship award ESH International Conference on Myelodysplastic Syndromes, Mandelieu Congress Center, Mandelieu, France, April 26-28, 2018.**

3. HFE SNVs (Single nucleotide variants) in idiopathic erythrocytosis: a real-life experience of a single center. **Carmelo Gurnari**, Giacomo Biagetti, Luca Franceschini, Manuela Rizzo, Ambra Di Veroli, Francesco Buccisano, Giulia Falconi, Emiliano Fabiani, Ida Provenzano, Maria Cantonetti, Francesco Lo-Coco, Maria Luigia Randi, Maria Teresa Voso. **Oral presentation, SIES, 2018**

4. Role of oxygen sensing PHD2 gene variants in erythrocytosis: report of three cases. **Carmelo Gurnari**, Annamaria Lombardi, Luca Franceschini, Manuela Rizzo, Ambra Di Veroli, Giulia Falconi, Emiliano Fabiani, Luca Maurillo, Daniela Naso, Maria Cantonetti, Francesco Lo-Coco, Maria Teresa Voso, Maria Luigia Randi. **Oral presentation, SIES, 2018**

5. Variability of endogenous erythropoietin levels in patients with lower-risk myelodysplastic syndromes. **Carmelo Gurnari** , R. Latagliata , A. Piciocchi , S. Fenu , S. Mancini , L. Fianchi , M. Criscuolo , C. Sarlo , A. Romano , G. Falconi , P. Niscola , F. Buccisano , A. Di Veroli , M. Breccia , A. Piccioni , F. Lo-Coco , M.T. Voso . **Oral presentation and scholarship award SIES, 2018**

6. Unravelling Genetic Mechanisms of Erythrocytosis: a Real-Life Experience from a Single Center. **Carmelo Gurnari** , A. Lombardi , E. Cosi , G. Biagetti , F. Buccisano , L. Franceschini , M. Rizzo , A. Di Veroli , L. Maurillo , G. Falconi , E. Fabiani , M. Cantonetti , I. Provenzano , D. Nasso , F. Lo-Coco , M.L. Randi* and M.T. Voso* . **Poster presentation, ASH 2018**

7. Immunogenomics of Paroxysmal Nocturnal Hemoglobinuria: a model of immune escape. **Carmelo Gurnari***, Simona Pagliuca*, Cassandra M. Kerr, Hassan Awada, Sunisa Kongkiatkamon, Valeria Visconte and Jaroslaw P. Maciejewski. **Poster presentation at 7th International Symposium on AAMDSIF 2020**

8. NEW THERAPEUTIC TARGETS IN INEFFECTIVE HEMATOPOIESIS IN

MYELODYSPLASTIC SYNDROMES. Maria Teresa Voso , Giulia Falconi , Emiliano Fabiani , Elisa Galossi ,Antonio Cristiano , **Carmelo Gurnari. Educational Abstract SIES 2020**

9. The Genomic Landscape of Myeloid Neoplasms Evolved from AA/PNH. **Carmelo Gurnari**, Simona Pagliuca , Bhumika J. Patel, Hassan Awada ,Cassandra M Kerr , Wenyi Shen , Sunisa Kongkiatkamon , Laila Terkawi ,Misam Zawit, Jibrán Durrani, Valeria Visconte , Seth J. Corey , Maria Teresa Voso , Hetty E. Carraway and Jaroslaw P. Maciejewski. **Oral presentation ASH 2020 and ASH Abstract Achievement Award winner. Oral presentation ESH 2021.Oral presentation and Best Young EBMT Award 2021**

10. Type of TP53 Mutations Affects Subclonal Configuration and Selection Pressure for Acquisition of Additional Hits in Contralateral Alleles. **Carmelo Gurnari** , Vera Adema, Hassan Awada , Simona Pagliuca ,Cassandra M Kerr , Sunisa Kongkiatkamon , Thomas Laframboise , Valeria Visconte , Maria Teresa Voso , Mikkael A. Sekeres , Hetty E. Carraway , Torsten Haferlach and Jaroslaw P. Maciejewski. **Poster presentation ASH 2020. Oral presentation and Best Young EBMT Award 2021**

11. Immunogenomics of Paroxysmal Nocturnal Hemoglobinuria: A Model of Immune Escape. **Carmelo Gurnari**, Simona Pagliuca, Cassandra M Kerr , Hassan Awada ,Sunisa Kongkiatkamon , Laila Terkawi , Neetha Parameswaran, Misam Zawit , Adam Wahida , Valeria Visconte and Jaroslaw P. Maciejewski. **Poster presentation ASH 2020. Oral presentation at NIDDK conference and EBMT 2021**

12. Implication of Piga Genotype on Clinical Features of PNH. **Carmelo Gurnari** , Simona Pagliuca , Bhumika J. Patel, Hassan Awada ,Cassandra M Kerr , Sunisa Kongkiatkamon , Laila Terkawi , Misam Zawit ,Valeria Visconte , Adam Wahida and Jaroslaw P. Maciejewski. **Poster presentation ASH 2020 and winner of ASH-IPIG Award**

13. TET2 dysfunctions unveil clinical and prognostic phenotypes in patients with MDS. **Carmelo Gurnari**, Simona Pagliuca, Yihong Guan, Vera Adema, Courtney E. Hershberger, Ying Ni, Hassan Awada, Sunisa Kongkiatkamon, Misam Zawit, Diego F. Coutinho, Ilana R. Zalcborg, Jae-Sook Ahn, Hyeoung-Joon Kim, Dennins Dong Hwan Kim, Mark D. Minden, Joop H. Jansen, Claudia Haferlach, Babal K. Jha, Torsten Haferlach*, Jaroslaw P. Maciejewski*, Valeria Visconte*. **Poster at MDS Foundation 2021 and ASH 2021**

14. Myeloid neoplasms with germline and somatic DDX41 mutations. Hideki Makishima, Yasuhito Nannya , June Takeda , Yukihide Momozawa , **Carmelo Gurnari** , Austin Kulasekararaj, Tetsuichi Yoshizato , Yoshiko Atsuta, Yusuke Shiozawa , Yuka Iijima-Yamashita , Ryunosuke Saiki , Kenichi Yoshida , Yuichi Shiraishi , Yasunobu Nagata , Nobuyuki Kakiuchi , Makoto Onizuka, Kenichi Chiba , Hiroko Tanaka , Ayana Kon , Yotaro Ochi , Hiroo Ueno , Masahiro M. Nakagawa , Hidehiro Itonaga , Yoshinobu Kanda , Yasushi Miyazaki , Masashi Sanada , Hisashi Tsurumi , Senji Kasahara , Akifumi Kondo-Takaori , Kazuma Ohyashiki , Toru Kiguchi , Fumihiko Matsuda , Joop H Jansen , Elli Papaemmanuil , Eva Hellström Lindberg , Magnus Tobiasson , Maria Creignou , Chantana Polprasert , Luca Malcovati , Mario Cazzola , Torsten Haferlach , Jaroslaw P. Maciejewski , Yoichiro Kamatani , Michiaki Kubo , Satoru Miyano and Seishi Ogawa. **Oral presentation at MDS Foundation 2021**

15. Is Nature Truly Healing Itself? Spontaneous Remissions and Clonal Replacement in Paroxysmal Nocturnal Hemoglobinuria. **Carmelo Gurnari**, Simona Pagliuca, Tariq Kewan, Waled Bahaj, Minako Mori, Valeria Visconte and Jaroslaw P. Maciejewski. ASH 2021 Abstract publication only.

16. A study of TERT rare variants in a population of unselected myeloid neoplasms. **Carmelo Gurnari**, Adam Wahida, Simona Pagliuca, Misam Zawit, Torsten Haferlach, Jaroslaw P. Maciejewski, Valeria Visconte. **Poster presentation at ASH 2021**

17. Immunodynamics of Paroxysmal Nocturnal Hemoglobinuria. **Carmelo Gurnari**, Simona Pagliuca, Adam Wahida, Tariq Kewan, Waled Bahaj, Minako Mori, Bhumika J. Patel, Kewal Asosingh, Valeria Visconte and Jaroslaw P. Maciejewski. **Poster Presentation at ASH 2021**

18. Immunogenetic, Molecular and Clinical Determinants of Clonal Evolution in Aplastic Anemia and Paroxysmal Nocturnal Hemoglobinuria. **Carmelo Gurnari**, Simona Pagliuca, Pedro Henrique Prata, Luiz Fernando Bazzo Catto, Lise Larcher, Marie Sebert, Vincent Allain, Bhumika J. Patel, Laila Terkawi, Andre Luiz Pinto, Mariana Carolina Beraldo Ignacio, Lucie Hernandez, Nathalie Dhedin, Sophie Caillat-Zucman, Emmanuelle Clappier, Flore Sicre de Fontbrune, Maria Teresa Voso, Valeria Visconte, Gérard Socié, Rodrigo Calado, Régis Peffault de Latour, Jean Soulier and Jaroslaw P. Maciejewski. **Oral Presentation at ASH 2021**

19. DEAD and DEAH-Box Helicases Other Than DDX41 Are Mutated in Myeloid Neoplasia. **Carmelo Gurnari**, Arda Durmaz, Yasuo Kubota, Mai Aly, Olisaemeka Ogbue, Fauzia Ullah, Danai Dima, Hussein Awada, Naomi Kawashima, Thomas LaFramboise, Richard A. Padgett, Torsten Haferlach, Jaroslaw P. Maciejewski, Valeria Visconte. **Oral Presentation at ASH 2022**

20. Molecular International Prognostic Scoring System (IPSS-M) in Myelodysplastic Syndromes arising from Aplastic Anemia and Paroxysmal Nocturnal Hemoglobinuria. **Carmelo Gurnari**, Pedro Henrique Prata, Luiz Fernando B. Catto, Arda Durmaz, Lise Larcher, Marie Sebert, Vincent Allain, Tariq Kewan, Simona Pagliuca, Andre L. Pinto, Mariana C. B. Inacio, Lucie Hernandez, Nathalie Dhedin, Sophie Caillat-Zucman, Emmanuelle Clappier, Flore Sicre de Fontbrune, Maria Teresa Voso, Valeria Visconte, Régis Peffault de Latour, Jean Soulier, Gérard Socié, Rodrigo T. Calado and Jaroslaw P. Maciejewski. **Poster Presentation at ASH 2022**

21. Clinico-molecular Risk Factors and Management of Thrombosis in a Large Real-Life Cohort of Patients with Paroxysmal Nocturnal Hemoglobinuria in the New Era of Anti-complement Inhibitors and DOACs. **Carmelo Gurnari**, Hussein Awada, Mai Aly, Danai Dima, Fauzia Ullah, Naomi Kawashima, Yasuo Kubota, Ceylan Colak, Valeria Visconte, Simona Pagliuca, Bhumika J. Patel, Taha Bat, Jaroslaw P. Maciejewski. **Poster Presentation at ASH 2022**

22. Validation of the Molecular International Prognostic Scoring System in Patients with Myelodysplastic Syndrome. Tariq Kewan, Waled S. Bahaj, Mai Aly, Arda Durmaz, Olisaemeka D. Ogbue, Hetty Carraway, Abhay Singh, Suresh K. Balasubramanian, Valeria Visconte, **Carmelo Gurnari**, Jaroslaw P. Maciejewski. **Poster Presentation at ASH 2022**

23. CHIP-derived vs De Novo Treatment-Related Myeloid Neoplasms After Autologous Stem Cell Transplant for Lymphoid Disorders. Hussein Awada*, **Carmelo Gurnari***, Valeria Visconte, Teodora Kuzmanovic, Hassan Awada, James Cook, David Bosler, Brian J. Bolwell, Ronald Sobucks, Matt Kalaycio, Jaroslaw P. Maciejewski. **Oral Presentation at ASH 2022**

24. Immune Checkpoint Molecules Regulate Paroxysmal Nocturnal Hemoglobinuria Clonal Evolution. Naomi Kawashima, Ben Ponvilawan, Pat Rayman, Jennifer Powers, Fauzia Ullah, Yasuo Kubota, Mai Aly, Lili Wang, Simona Pagliuca, Valeria Visconte, Claudia Marcela Diaz, Jaroslaw P. Maciejewski, **Carmelo Gurnari**. **Poster Presentation at ASH 2022**

25. Multi-Omics Data Integration of Genomics and RNA-Splicing in Myeloid Neoplasia. Arda Durmaz*, **Carmelo Gurnari***, Courtney E. Hershberger, Simona Pagliuca, Hassan Awada, Hussein Awada, Minako Mori, Yasuo Kubota, Tariq Kewan, Waled S. Bahaj, John Barnard, Jacob Scott, Richard A. Padgett, Torsten Haferlach, Jaroslaw P. Maciejewski, Valeria Visconte. **Oral Presentation at ASH 2022**

26. Splicing Analysis Unveils Convergent Transcriptomic Pathways in U2AF1 S34 and Q157 Mutant Myeloid Neoplasia. **Carmelo Gurnari**, Arda Durmaz, Hussein Awada, Olisaemeka D. Ogbue, Yasuo Kubota, Tariq Kewan, Waled S. Bahaj, Chao-Yie Yang, Jacob Scott, Torsten Haferlach, Jaroslaw P. Maciejewski, Valeria Visconte. **Poster Presentation at ASH 2022**

27. Allogeneic stem cell transplant for myelodysplastic syndrome in the new molecular era of IPSS-M. **Carmelo Gurnari**, Nico Gagelmann, Anita Badbaran, Hussein Awada, Danai Dima, Simona Pagliuca, Maud D'Aveni-Piney, Enrico Attardi, Raffaella Cerretti, Christine Wolschke, Marie Thérèse Rubio, Jaroslaw P. Maciejewski and Nicolaus Kröger. **Poster Presentation at ASH 2022**

28. Allogeneic Hematopoietic Cell Transplantation for Vexas Syndrome: Results of a Multicenter Study from the Chronic Malignancies and Autoimmune Disease Working Parties of the EBMT **Carmelo Gurnari**, Linda Koster, Laurien Baaij, Mael Heiblig, Ibrahim Yakoub-Agha, Jakob R. Passweg, Jennifer Clay Sr., Jurgen Kuball, Alessandro Rambaldi, Patrick John Hayden, Manuela Badoglio, Francesco Onida, Christof Scheid, Franco Franceschini, Arsene Mekinian, Sinisa Savic, , Maria Teresa Voso, Joanna Drozd-Sokolowska, John Snowden, Kavita Raj, Tobias Alexander, Marie Robin, Raffaella Greco and Donal P McLornan. **Oral presentation at ASH 23**

29. Somatic and Germline HLA Determinants of Immune Surveillance and Escape in Myelodysplastic Syndromes. **Carmelo Gurnari**, Arda Durmaz, Benjamin Kroger, Hussein Awada, Jacky Chen, Colin Hercus, Sébastien Hergalant, Carlos Bravo-Perez, Maria Teresa Voso, Jacob Scott, Valeria Visconte, Stephen S. Chung, Jaroslaw P. Maciejewski and Simona Pagliuca. **Poster Presentation at ASH 23**

30. Outcome Prediction in DDX41-Mutant Myelodysplastic Syndromes Is Not Possible with General Disease Schemes and Requires a Dedicated Risk Scoring System. **Carmelo Gurnari**, Hideki Makishima, Arda Durmaz, Ryunosuke Saiki, Guilherme Mendes Sapiño, Alex Bataller, Lukasz P. Gondek, Yasuhito Nannya, Steve Best, Pramila Krishnamurthy, Hussein Awada, Enrico Attardi, Valeria Visconte, Maria Teresa Voso, Amy E. DeZern, Guillermo

Garcia-Manero, Austin Kulasekararaj, Jaroslaw P. Maciejewski, and Seishi Ogawa. **Oral presentation at ASH23**

31. UNA CARTOGRAFIA DEL TEST DEL GENE UBA1, DELL'EPIDEMIOLOGIA E DELLE CARATTERISTICHE CLINICO-GENOMICHE: L'ESPERIENZA ITALIANA VEXAS/
MDS **C. Gurnari**, M.R. Pascale, A. Vitale, E. Diral, A. Tomelleri, E. Galossi, G. Falconi, A. Bruno, F. Crisafulli, M. Frassi, C. Cattaneo, D. Bertoli, M. Bernardi, A. Condorelli, E. Morsia, E. Crisà, P. Triggianese, B. Borsellino, L. Brussino, G. Battipaglia, S. Bindoli, P. Sfriso, F. Caroni, A. Curti, C. Papayannidis, A. Olivieri, S. Kordasti, F. Albano, F. Pane, P. Musto, M. Bocchia, E. Lugli, M. Breccia, M. Frigeni, L. Dagna, R. Greco, F. Franceschini, C. Campochiaro, L. Cantarini, M.T. Voso. **Oral presentation at SIE 2022**

Publications

1. The combination of bortezomib with chemotherapy to treat relapsed/refractory acute lymphoblastic leukaemia of childhood. Alice Bertaina, Luciana Vinti, Luisa Strocchio, Stefania Gaspari, Roberta Caruso, Mattia Algeri, Valentina Coletti, **Carmelo Gurnari**, Mariateresa Romano, Maria Giuseppina Cefalo, Katia Girardi, Valentina Trevisan, Valentina Bertaina, Pietro Merli, Franco Locatelli. **Br J Haematol** 2017, 176 (4): 629-636

2. Immunologia dei trapianti e trapianto emopoietico. Franco Locatelli, Valentina Trevisan, **Carmelo Gurnari**. **Manuale di Immunologia e Allergologia pediatrica**. UTET edizioni. ISBN: 978-88-3379-089-3

3. Identification of i(X)(p10) as the sole molecular abnormality in atypical chronic myeloid leukemia evolved into acute myeloid leukemia. **Carmelo Gurnari**, Paola Panetta, Emiliano Fabiani, Anna Maria Nardone, Diana Postorivo, Giulia Falconi, Luca Franceschini, Manuela Rizzo, Vito Mario Rapisarda, Eleonora De Bellis, Francesco Lo-Coco and Maria Teresa Voso. **Mol Clin Oncol**. 2018 Mar;8(3):463-465.

4. Congenital Rhabdomyosarcoma: a different clinical presentation in two cases. Russo I, Di Paolo V, **Gurnari Carmelo**, Mastronuzzi A, Del Bufalo F, Di Paolo PL, Di Giannatale A, Boldrini R, Milano GM. **BMC Pediatr**. 2018 May 15;18(1):166.

5. Arsenic Trioxide and All-Trans Retinoic Acid treatment for Childhood Acute Promyelocytic Leukaemia. Luisa Strocchio^{1*}, **Carmelo Gurnari***, Nicola Santoro, Maria Caterina Putti, Concetta Micalizzi, Marco Zecca, Giuseppe Menna, Girardi Katia, Anna Maria Testi, Francesco Lo-Coco[^], Franco Locatelli[^]. **Br J Haematol**. 2018 Jul 20.

6. Erythropoietin levels and erythroid differentiation parameters in patients with lower-risk myelodysplastic syndromes. **Gurnari Carmelo**, Latagliata R, Buccisano F, Piciocchi A, Fenu S, Mancini S, Fianchi L, Criscuolo M, Sarlo C, Romano A, Falconi G, Niscola P, Di Veroli A, Breccia M, Piccioni A, Aloe-Spiriti MA, Lo-Coco F, Voso MT; GROM-L (Gruppo Romano-Laziale MDS). **Leuk Res**. 2018 Aug;71:89-91.

7. Recurrent Sweet's syndrome in a patient with multiple myeloma. **Gurnari Carmelo**, Franceschini L, Anemona L, et al. Recurrent Sweet's syndrome in a patient with multiple myeloma. **Clin Case Rep**. 2018;00:1–3.
8. The emerging role of measurable residual disease detection in AML in morphological remission. Francesco Buccisano, Adriano Venditti, Ambra Di Veroli, **Carmelo Gurnari**, Gerrit Schuurhuis, Luca Maurillo, Maria Ilaria Del Principe. **Semin Hematol**. 2019 Apr;56(2):125-130.
9. Early detection of IgH monoclonal rearrangement in follicular spicules of the nose preceding multiple myeloma diagnosis. Case report and review of the literature. Mauro Mazzeo, M.D.; Cosimo Di Raimondo; **Carmelo Gurnari**; M.C. Rapanotti; Alessandro Giunta; Luca Franceschini; Manuela Rizzo; Marilena Minieri; Ida Provenzano; Sergio Bernardini; Maria Cantonetti; Luca Bianchi **G Ital Dermatol Venereol**. 2018 Sep 20.
10. Genetic analysis of erythrocytosis reveals possible causative and modifier gene mutations. **Gurnari C**, Lombardi AM, Cosi E, Biagetti G, Buccisano F, Franceschini L, Di Veroli A, Falconi G, Fabiani E, Cantonetti M, Nasso D, Lo-Coco F, Randi ML, Voso MT. **Br J Haematol**. 2019 Apr 23.
11. STAT5b-RARA-positive acute myeloid leukemia: Diagnostic and therapeutic challenges of a rare AML subtype. Ciangola G, **Gurnari C**, Paterno G, Mirabile M, Angelini M, Lavoragna S, Ottone T, Travaglini S, Cicconi L, LoCoco F. **Leuk Res**. 2019 Mar;78:21-23.
12. The role of Forkhead box proteins in Acute Myeloid Leukemia. **Carmelo Gurnari**, Giulia Falconi, Eleonora De Bellis, Maria Teresa Voso, Emiliano Fabiani. **Cancers (Basel)**. 2019 Jun 21;11(6). pii: E865. doi: 10.3390/cancers11060865.
13. Transcription factors implicated in late megakaryopoiesis as markers of outcome after azacitidine and allogeneic stem cell transplantation in myelodysplastic syndrome. Falconi G, Fabiani E, Criscuolo M, Fianchi L, Finelli C, Cerqui E, Pelosi E, Screnci M, **Gurnari C**, Zangrilli I, Postorino M, Laurenti L, Piciocchi A, Testa U, Lo-Coco F, Voso MT. **Leuk Res**. 2019 Sep;84:106191. doi: 10.1016/j.leukres.2019.106191. Epub 2019 Jul 19.
14. Applications and efficiency of flow cytometry for leukemia diagnostics. Del Principe MI, De Bellis E, **Gurnari C**, Buzzati E, Savi A, Consalvo MA, Venditti A. **Expert Rev Mol Diagn**. 2019 Dec;19(12):1089-1097. doi: 10.1080/14737159.2019.1691918. Epub 2019 Nov 16.
15. WT1 evaluation in higher-risk myelodysplastic syndrome patients treated with azacitidine. Falconi G, Fabiani E, Ottone T, Piciocchi A, Lavoragna S, Criscuolo M, Fianchi L, **Gurnari C**, Postorino M, Picardi A, Palmieri R, Lo-Coco F, Voso MT. **Leuk Lymphoma**. 2019 Dec 4:1-4. doi: 10.1080/10428194.2019.1699078.
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A handwritten signature in black ink, consisting of a large, stylized 'G' followed by a smaller, more complex mark.