EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	**CIRINO BOTTA**
Address	[redacted]
Telephone	[redacted]
E-mail	**cirino.botta@unipa.it**
Nationality	**ITALIAN**
Date of birth	[redacted]

BBIOGRAPHICAL SKETCH

Cirino Botta is an Associate Professor of Hematology and the Head of the Experimental Hematology and Immunogenomics Lab at the University of Palermo. He graduated in medicine and surgery at the University of Siena in 2008 and specialized in medical oncology at the Magna Graecia University of Catanzaro in 2016, where he achieved his PhD in Translational Oncology in 2018. He has carried out research and clinical activities in several national and international centers, including the Clinica Universidad de Navarra and the Centro de Investigación Médica Aplicada (CIMA) in Spain and the Annunziata Hospital of Cosenza. He is an expert in multiple myeloma management as well as tumor and immune biology, single cell analysis, flow cytometry and bioinformatics. He is co-author of 90 scientific articles in peer-reviewed journals, with an h-index of 31 and 2545 citations. He has received several awards and recognitions for his scientific activity, such as the EHA award in 2018 and 2019, the AICC award in 2015, the ASH Abstract Achievement Award in 2013, and the FONICAP award in 2012. He is a reviewer for several scientific journals, such as European Journal of Cancer, International Journal of Cancer, Frontiers in Oncology, Scientific Report, and Blood Cancer Journal. From and academic point of view, he is in charge for teaching hematology at the degree course in medicine and the residency programs in hematology and medicine and palliative care at the University of Palermo. He has participated as an organizer, moderator or speaker at numerous national and international congresses and courses in the field of onco-hematology. He is involved as PI in several phase 2/3 clinical trials in multiple myeloma and received several research grants from national and European competitive call including PRIN PNRR 2022, the PRIN 2022, the Progetto Salute PNRR 2022 and the MFAG 2020.

For more information go to
www.cedefop.eu.int/transparency/
europa.eu.int/comm/education/index_en.html
eurescv-search.com/

WORK EXPERIENCE

• Dates (from – to)	**April 2024/ at present**
• Name and address of employer	**Department of Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialties (ProMISE), University of Palermo, Palermo, Italy.**
• Type of business or sector	**Hematology**
• Occupation or position held	**Associate Professor of Hematology**

• Dates (from – to)	**February 2023/ at present**
• Name and address of employer	**Department of Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialties (ProMISE), University of Palermo, Palermo, Italy.**
• Type of business or sector	**Hematology**
• Occupation or position held	**Head of Experimental Hematology and Immunogenomics Lab** which includes 2 Senior researchers, 1 clinician-researcher, 1 Post-Doc, 4 PhD student

• Dates (from – to)	April 2021/ April 2024
• Name and address of employer	Unit of Hematology, Department of Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialties (ProMISE), University of Palermo, Palermo, Italy.
• Type of business or sector	Onco-Hematology
• Occupation or position held	Assistant Professor tenure-track (Ricercatore a tempo determinato tipo B MED/15)

• Dates (from – to)	May 2019/ April 2021
• Name and address of employer	Hematology Unit, Department of Onco-hematology, “Annunziata” Hospital of Cosenza
• Type of business or sector	Onco-Hematology
• Occupation or position held	Staff Physician/ Senior Researcher (Dirigente Medico a tempo indeterminato)

• Dates (from – to)	May 2018/ May 2019
• Name and address of employer	Clinica Universidad de Navarra/Centro de Investigación Médica Aplicada (CIMA) Prof. Jesus San Miguel/Dott. Bruno Paiva
• Type of business or sector	Onco-Hematology
• Occupation or position held	Visiting Fellow

• Dates (from – to)	October 2016/ May 2019
• Name and address of employer	“Magna Graecia” University of Catanzaro, Prof. Pierfrancesco Tassone
• Type of business or sector	Onco-Hematology
• Occupation or position held	Post-doc researcher (with clinical duties from October 2017)

• Dates (from – to)	June 2011/ June 2016
• Name and address of	“Magna Graecia” University of Catanzaro

employer	
• Type of business or sector	Medical Oncology
• Occupation or position held	Residency
• Dates (from – to)	2008/2011
• Name and address of employer	Siena University Hospital
• Type of business or sector	Medical Oncology
• Occupation or position held	Fellowship at the Medical Oncology Unit and at Translational Oncology Lab

TEACHING EXPERIENCE

• Dates (from – to)	October 2021 - ongoing
• Name and address of employer	University of Palermo
• Type of business or sector	Responsible of the teaching of Hematology within the Medicine and Surgery graduation course and within the Residency programs of “Hematology” and of “Medicine and Palliative Care”
• Occupation or position held	Associate Professor of Hematology
• Dates (from – to)	November 2019
• Name and address of employer	Milano-Bicocca University
• Type of business or sector	Teacher within the course “Single Cell Analysis in the Era of Multidimensional Advanced Cytometry: Dissecting Heterogeneity of Immune System and Cancer Cells” for PhD students (Program in Translational and Molecular Medicine (Dimet))
• Occupation or position held	Invited Professor
• Dates (from – to)	February 2019
• Name and address of employer	Clinica Universidad de Navarra
• Type of business or sector	Teacher within the course “Investigación Traslacional en Medicina” for MD students
• Occupation or position held	Invited Professor
• Dates (from – to)	November 2017/ 2018
• Name and address of employer	Magna Graecia” University of Catanzaro
• Type of business or sector	“Medical Oncology” course for Biotechnology undergraduate students
• Occupation or position held	Contract Professor (“Professore a Contratto”)
• Dates (from – to)	November 2017/ 2019

• Name and address of employer	Magna Graecia" University of Catanzaro
• Type of business or sector	Oncology
• Occupation or position held	Subject expert ("Cultore della Materia") for "Medical Oncology" Teaching

EDUCATION AND TRAINING

• Dates (from – to)	July 2024
• Name and type of organisation providing education and training	CINECA/MIUR
• Principal subjects/occupational skills covered	Hematology
• Title of qualification awarded	*National Scientific Qualification (ASN) as Academic Full Professor in Medical Oncology/Hematology/Reumatology*
• Dates (from – to)	June 2020
• Name and type of organisation providing education and training	CINECA/MIUR
• Principal subjects/occupational skills covered	Technical and applied medicine
• Title of qualification awarded	*National Scientific Qualification (ASN) as Academic Associate Professor in technical and applied Medicine*
• Dates (from – to)	April 2018
• Name and type of organisation providing education and training	CINECA/MIUR
• Principal subjects/occupational skills covered	Hematology
• Title of qualification awarded	*National Scientific Qualification (ASN) as Academic Associate Professor in Medical Oncology/Hematology/Reumatology*
• Dates (from – to)	November 2015/ April 2018
• Name and type of organisation providing education and training	"Magna Graecia" University of Catanzaro, Catanzaro, Italy
• Principal	Translational Oncology

subjects/occupational skills covered	
• Title of qualification awarded	***PhD in Translational Oncology*** *cum laude, with a dissertation entitled "MiR-29b antagonizes the pro-inflammatory tumor-promoting activity of multiple myeloma educateddendritic cells"*
• Dates (from – to)	June 2011/ June 2016
• Name and type of organisation providing education and training	"Magna Graecia" University of Catanzaro, Catanzaro, Italy
• Principal subjects/occupational skills covered	Medical Oncology
• Title of qualification awarded	***Specialty in Medical Oncology*** *(70/70 Magna cum laude, with a special mention for results obtained in the oncology research field) with a translational oncology dissertation entitled "Inflammation and Multiple Myeloma: preclinical evidence and new translational approaches"*
• Dates (from – to)	February 2011
• Name and type of organisation providing education and training	Siena University, Siena, Italy
• Title of qualification awarded	"Medicinae Doctor" Qualification
• Dates (from – to)	October 2004/ July 2010
• Name and type of organisation providing education and training	Siena University, Siena, Italy
• Title of qualification awarded	Graduated in Medicine and Surgery (110/110 Magna cum laude) with a traslational oncology dissertation on the "Immunological effects of Cetuximab in oncology"
• Dates (from – to)	September 1999/ June 2004
• Name and type of organisation providing education and training	"Liceo Scientifico E. Medi" High school, Battipaglia (SA), Italy
• Principal subjects/occupational skills covered	Student
• Title of qualification awarded	High School Diploma (100/100)

PERSONAL SKILLS AND COMPETENCES
Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE — **ITALIAN**

OTHER LANGUAGES

ENGLISH

- Reading skills — EXCELLENT
- Writing skills — EXCELLENT
- Verbal skills — EXCELLENT

SPANISH

- Reading skills — EXCELLENT
- Writing skills — GOOD
- Verbal skills — EXCELLENT

CLINICAL SKILLS/RESEARCH

- **Site PI** of the clinical trial AbbVie **M24-473** ""A Phase 2/3 Multicenter, Randomized, Open-Label Study Evaluating the Safety and Efficacy of Etentamig (ABBV-383) Compared to Daratumumab, Cyclophosphamide, Bortezomib, and Dexamethasone (Dara-CyBorD) in Subjects with Newly Diagnosed Amyloid Light Chain (AL) Amyloidosis)". (Abbvie)
- **Site PI** of the clinical trial 79635322MMY3004 **TRILOGY-7** "A Phase 3 Randomized Study Comparing JNJ-79635322 plus Daratumumab versus an Investigators Choice of Daratumumab, Bortezomib, Lenalidomide and Dexamethasone (DVRd) or Daratumumab, Lenalidomide and Dexamethasone (DRd) in Participants with Newly Diagnosed Multiple Myeloma for Whom Hematopoietic Stem Cell Transplant is Not Planned as Initial Therapy". (JNJ)
- **Site PI** of the clinical trial 79635322MMY2001 **TRILOGY-3** "A Phase 2, Open-label Study of JNJ-79635322 in Participants with Relapsed or Refractory Multiple Myeloma (RRMM) who Have Received at Least 3 Prior Lines of Therapy Including a PI, an IMiD, and an Anti-CD38 Antibody". (JNJ)
- **Site PI** of the clinical trial **DREAMM-10** – "A Phase 3, randomized, open-label study of belantamab mafodotin administered in combination with lenalidomide and dexamethasone (BRd) versus daratumumab, lenalidomide, and dexamethasone (DRd) in participants with newly diagnosed multiple myeloma who are ineligible for autologous stem cell transplantation (TI-NDMM)"
- **Site PI** of the Observational clinical study "BLENREP Dosing in Multiple Myeloma (**BEAMM-2**-EAP) − A retrospective chart review study of belantamab mafodotin combination therapies among patients with multiple myeloma from first relapse (2L+) (GSK)
- **Site PI** of the clinical trial "**MagnetisMM-16**: An International, Multicenter, Non-Interventional Post-Authorization Safety Study (PASS) to Evaluate the Effectiveness and Safety of Elranatamab in Patients with

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europa.eu.int/comm/education/index_en.html
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Relapsed/Refractory Multiple Myeloma (RRMM) Treated in Real-World (RW) Settings"

- Site PI of the clinical trial CA0581019-ALUMMINATE – "A Study to Evaluate Efficacy and Safety of Alnuctamab Compared to Standard of Care Regimens in Participants With Relapsed or Refractory Multiple Myeloma (RRMM)" BMS
- **Site PI** of the clinical trial **EFC15951-IRAKLIA**: "a randomized non-inferiority Phase 3 study evaluating subcutaneous versus intravenous administration of isatuximab in combination with pomalidomide and dexamethasone in adult RRMM patients " (Sanofi-Aventis)
- **Site PI** of the clinical trial **C1071032-magnetisMM-32** – "a phase 3, open-label study of elranatamab monotherapy versus elotuzumab, pomalidomide, dexamethasone (epd) or pomalidomide, bortezomib, dexamethasone (pvd) or carfilzomib, dexamethasone (kd) in participants with relapsed/ refractory multiple myeloma who received prior anti-cd38 directed therapy" (Pfizer)
- **Site PI** of the Observational clinical study "**C1071025-MUST**: MUltiple Myeloma Italian ObServational sTudy (MUST)" (Pfizer)
- **Subinvestigator and local coordinator** of the clinical trial **C1071006–magnetisMM-6**: "an open-label, 2-arm, multicenter, randomized phase 3 study to evaluate the efficacy and safety of elranatamab (PF-06863135) + daratumumab + lenalidomide versus daratumumab + lenalidomide + dexamethasone in transplant- ineligible participants with newly-diagnosed multiple myeloma" (Pfizer)
- **Site PI** of the clinical trial **64007957MMY3006 – MajesTEC-9** "A Phase 3 Randomized Study Comparing Teclistamab Monotherapy versus Pomalidomide, Bortezomib, Dexamethasone (PVd) or Carfilzomib, Dexamethasone (Kd) in Participants with Relapsed or Refractory Multiple Myeloma who have Received 1 to 3 Prior Lines of Therapy, Including an Anti-CD38 Monoclonal Antibody and Lenalidomide" (JNJ)
- Site PI of the clinical trial 64407564MMY3008 MonumenTAL-5 "A Phase 3 Study Comparing Talquetamab to Belantamab Mafodotin in Participants with relapsed/refractory multiple myeloma who have Received at least 4 Prior Therapies Including an Immunomodulatory Drug, a Proteasome Inhibitor, and an anti-CD-38"
- Subinvestigator clinical trial CINC280A2201 "A phase II, multicenter, study of oral cMET inhibitor INC280 in adult patients with EGFR wild-type (wt), advanced non- small cell lung cancer (NSCLC)", Sponsor: Novartis pharmaceuticals
- Subinvestigator LSK37064 AM301-NCT03042611 (LSK) fase III apatinib vs placebo in advanced gastric cancer, Sponzor : LSK
- Design of several clinical trials including :phase 1 (TSPP/VAC-1, EUDRACT: 2009-016897-33; EUDRACT: 2017-002615-33), phase 2 (BEVA2007, EUDRACT: 2008-006051-40; GILFICET, EUDRACT: 2009-016454- 40) and phase 3 (GOLF-IG2, EUDRACT: 2005-003458-81).
- ICH GOOD CLINICAL PRACTICE E6 (R2) (April 2022)
- ALS certification, according to ILCOR 2015 guidelines (December 2017)

LABORATORY SKILLS AND COMPETENCES

Single Cell RNAseq/CITEseq analysis; Flow Cytometry, including Next generation flow cytometry with MRD detection Bioinformatic analysis with R; Cell lines and primary cells culture; T-Lymphocytes, Natural killer cells and Dendritic cells differentiation and colture Cell transfection (stable and transient)
Proliferation assays

Apoptosis assay
Immunofluorescence
Western Blot
qRT-PCR
ELISA assay
Eli-Spot assay

TECHNICAL SKILLS AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

OS: WINDOWS; LINUX DISTRIBUTIONS SUCH AS UBUNTU; OSX .
APPLICATION SOFTWARE: OFFICE SUITES; PHOTOSHOP; PAINT.NET.
FLOW CYTOMETRY SOFTWARE: FLOWING SOFTWARE, CELLQUEST, DIVA, FLOWJO, FCS-EXPRESS
STATISTICAL SOFTWARE: GRAPHPAD PRISM, SPSS, STATA, R, PYTHON

RESEARCH AREA

Clinical and Preclinical research in the field of tumor immuno-biology and personalization of cancer treatment. At present, I'm focused on the study of tumor microenvironment (T lymphocytes, monocytes, myeloid derived suppressor cells) at single cell level, by combining different techniques (flow cytometry, single cell RNAseq, TCR seq) and on the development of new methods for data integration in R

PEER REVIEWER ACTIVITY

European Journal of Cancer (ISSN: 0959-8049; IF: 6,680), International Journal of Cancer (ISSN: 1097-0215; IF: 4,982), Frontiers in Oncology (ISSN: 2234943X; IF:4,137), Scientific Report (ISSN: 2045-2322; IF: 4, 011), Expert Opinion on Biological Therapy (ISSN: 1744-7682; IF: 3,585), Life Sciences (ISSN: 0024-3205; IF:3.448), World Journal of Gastroenterology (ISSN:2219-2840; IF:3.411), Journal of Functional Foods (ISSN: 1756-4646; IF:3,197), European Journal of Pharmacology (ISSN: 0014-2999; IF: 3,17), Experimental and molecular pathology (ISSN: 0014-4800; IF:2,350), Blood Advances (ISSN: 2473-9537) and Journal of Cancer Therapy (ISSN:2151-1942)
Member of the following scientific society: EHA, SIE, SIES

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europa.eu.int/comm/education/index_en.html
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AWARDS

EHA award 2019 for the research "single-cell characterization of the multiple myeloma (MM) immune microenvironment identifies CD27- t cells as potential source of tumor-reactive lymphocytes"

EHA award 2018 for the research "A new humanized monoclonal antibody against a specific glycosylated epitope of CD43 antigen for the therapeutic targeting of acute lymphoblastic leukemia T (T-ALL)"

AICC award 2015 for the best poster with the research "Transcriptome profiling reveals anti-inflammatory activity of miR-29b in myeloma-associated dendritic cells"

ASH "Abstract Achievement Award" 2013 for the research "Synthetic MiR-29b Mimics Potentiate Dendritic-Cell Based Immunotherapy Against Multiple Myeloma In Vitro and In Vivo"

FONICAP 2012 award in memory of "Giovanni Garotti" for the research entitled "Systemic inflammatory status at baseline predicts bevacizumab benefit in advanced non-small cell lung cancer patients" during the FONICAP meeting 2012 in Verona.

PARTICIPATION IN MEETING AS ORGANIZER, MODERATOR OR SPEAKER

"MultipleMyeloma2025", Palermo, October 2025, Organizer

"MultipleMyeloma2023", Palermo, 21-22 September 2023, Organizer

"MMTarget Young Hematologists: sharing real life experiences", Naples, 30 June 2023, Speaker

"Training post ASCO ed EHA 2023" dedicated to Pfizer Medical Direction, 27 June 2023, Speaker

"MMuch Better: ottimizzare la gestione terapeutica del paziente affetto da Mieloma Multiplo, corso ECM ", Speaker, 10 May/20 November 2023

"EmaTalk: caso clinico mieloma multiplo recidivato e refrattario" 25 May 2023, *Speaker*

"Advisory Board Il paziente affetto da mieloma multiplo: gestione della malattia e qualità della vita" 15 May 2023**,** *Advisory Board Member*

"MasterClass in Multiple Myeloma Percorso di formazione ECM", Milan 27 April 2023, *Organizer and Speaker*

"IMMstagram: I risvolti dell'innovazione nel MM nella pratica clinica e nella vita dei pazienti" Rome, 14-15 April 2023, *Speaker*

“Advisory Board Il ruolo di Elranatamab nel trattamento del paziente affetto da mieloma multiplo: dai dati preliminari nel setting TCR alle prospettive di sviluppo future” Rome, 17 MAR 2023**,** *Advisory Board Member*

“2° convegno regionale SIE 2023- delegazione sicilia” 06-07 February 2023, *Speaker*

“Advisory Board MIELOMA – Sud” 01 February 2023, *Advisory Board Member*

“Advisory Board: Management del paziente con mieloma multiplo recidivante refrattario: la pratica clinica siciliana” 23 November 2022, *Advisory Board Member*

“1° convegno regionale sie 2022- delegazione sicilia” 27-28 October 2022, *Speaker*

“SOHOITALY – 4th italian conference” 23-26 October 2023, Rome, *Speaker*

“49° Congresso Nazionale SIE”, Rome, September 26-28 2022 “low-dose ct-based bone marrow radiomic analysis for classification and outcome prediction in patients with multiple myeloma” *Speaker*

“European Society for Clinical Cell Analysis (ESCCA) Meeting 2022”, 21-24 September 2022, *Speaker*

“FSC verso mmunits: l'importanza della gestione efficace del paziente affetto da mieloma multiplo: approccio multidisciplinare” 20 APR 2022 - 30 JUN 2022 *Speaker*

FAD "Highlights dai Congressi ASCO -EHA - Focus su MM" – 2022 June 2022, *Speaker*

“Multiple Myeloma Forum - Gruppo di lavoro in tema di : Il ruolo dell’immunoterapia nel trattamento dei pazienti affetti da Mieloma Multiplo” 24-21 Giugno 2022, *Speaker*

“VI ISCCA (Italian Society for Cytometric Cell Analysis) meeting 2022”, 25-27 May 2022, Catania, *Speaker*

“FAD Sincrona Recenti updates e approcci traslazionali nel mieloma multiplo”, 10/17 May 2022, *Organizer*

“Advisory Board Macroregionale Sud Mieloma”, 24 February 2022, *Advisory Board Member*

“Novel translational approaches in hematological malignancies: from bench to bedside" Catania 5-6 November 2021 “How to track

microenvironment dysregulation in Multiple Myeloma: implications for guiding personalized medicine" *invited speaker*

"48° Congresso Nazionale SIE - 16° Congresso Nazionale SIES", Milan, October 24-27 2021 "Network meta-analysis of randomized trials in multiple myeloma: efficacy and safety in frontline therapy for patients not eligible for transplant" *oral abstract presentation*

"XVI. Multiple myeloma & IV. Cell therapy workshop" in Ostrava, Czech Republic (October 14-15, 2021), "Microenvironment dysregulation in multiple myeloma: novel challenges and therapeutic opportunities" *speaker*

"Conciliare i modelli gestionali del post pandemia con l'evoluzione delle terapie in onco-ematologia", Catanzaro, 19-20/11/2020; "il clinico davanti alla recidiva biochimica e alla recidiva clinica" *speaker*

"Multiple Myeloma and Related Malignancies, 5th Edition" BARI (ITALY), NOVEMBER 5-7, 2020; "Single cell characterization of MM immune microenvironment", *speaker*

"Ematologia. Approcci terapeutici a confronto", 07/02/2020 - 08/02/2020, Cosenza, Italy. "Terapia del Mieloma Multiplo Recidivato Refrattario". *Speaker*

"*In vivo* modelling of hematological malignancies: from bench to bedside" 31/1/2020 – 01/02/2020, Catania, Italy. "Novel techniques in flow cytometry" *Speaker*

"61st American Society of Hematology" annual meeting, 7-10/12/2019, Orlando, USA. With the work: "Single-Cell Characterization of the Multiple Myeloma (MM) Immune Microenvironment Identifies CD27-Negative T Cells As Potential Source of Tumor-Reactive Lymphocytes" *Speaker*

"What's next in Multiple Myeloma", 23/09/2019, Catania, Italy. "Immune cells in multiple myeloma: MDSC and T-cell subpopulations" *Speaker*

"17th International Myeloma Workshop (IMW)", 12-15/19/2020 Boston USA. Selected speaker with the work: "Single Cell Characterization of MM Immune Micorenvironment Identifies CD-27- Negative T Cells as Potential Tumor Reactive Lymphocytes" *Speaker*

"EHA 2019", Amsterdam 13-15/06/2019, *Selected Speaker* with the work: "single-cell characterization of the multiple myeloma (MM) immune microenvironment identifies CD27- t cells as potential source of tumor-reactive lymphocytes". *Speaker*

"An International multidisciplinary meeting Non-Small-Cell-Lung Cancer under the siege of immunotherapy and translational Oncology From the standard care to immuno-therapy and translational paths and 4th International cancer vaccine meeting" Reggio Calabria, Italy, 2-

4/11/2017, *Organizer and Speaker*

"The future of cancer therapy: the genome editing era" Magna Graecia University of Catanzaro, 8-9/06/2017. *Organizer*

"Comunicare la scienza", Magna Graecia University of Catanzaro, 27/05/2016. *Organizer*

"Immunotherapy meets lung cancer: new treatments for non small cell lung cancer and 3rd international cancer vaccine meeting", monteriggioni (si), 8-10/04/2016. *Organizer and Speaker*

"bio-therapeutics and personalized medicine – bioasia 2014", hyderabad, India,18-19/02/2014. *Moderator*

"55th congresso sic understanding onc-omics for patient-tailored cancer therapy" Copanello, Italy, 23-26/09/2013. *Speaker*

"percorsi di diagnosi e terapia nel carcinoma ovarico", Magna Graecia University of Catanzaro, 27/03/2013. Speaker

PARTICIPATION IN RESEARCH PROGRAMS

- Ricerca Finalizzata 2024 GR-2024-12377752 "IMunological and tumor-based strategies for Predicting UndetectabLe minimal residual diseaSE in Multiple Myeloma patients receiving immunotherapy" – **P.I. Cirino Botta Fund granted: 225.00,00 €**

- Pfizer External Research & Grants: grant 97508515 titled "Bringing care where they care: Better at Ho(MM)e!" **– P.I. Cirino Botta Fund granted: 74.268,81 $**

- Oncopeptide research support for investigational experiments on NK-redirecting agents in multiple myeloma: **P.I. Cirino Botta Fund granted: 32.00,00 €**

- PRIN PNRR 2022 P2022E2JSK - Identification of Multiple Myeloma cell vulnerabiLities to NK cell-mediated immunosurveillance (MM-LiNK) - **Unit P.I. Cirino Botta, Fund granted: 118.500,00 €**

- PRIN 2022 20229JM25N - Targeting the replicative and oxidative stress machinery to activate immune response against multiple myeloma (iMMuneRedOx) – **P.I. Cirino Botta, Fund granted: 105.300,00 €**

- Progetto Salute PNRR 2022, PNRR-MAD-2022-12376660 - Integrative multi-omics analysis to predict monoclonal gammopathies clinical evolution – **Unit P.I. Cirino Botta, Fund granted: 301.740,00 €**

- MFAG 2020 - ID. 24534 project Single cell characterization of bone marrow microenvironment and gut microbiota along myeloma onset and evolution – **P.I. Cirino Botta, Fund granted: 499.860,00 €**

- "SPECIAL PROGRAM FOR MOLECULAR CLINICAL ONCOLOGY– AIRC 5 PER MILLE" NO. 9980, 2010/15 (PI: P. TASSONE);

- "AIRC 5 PER 1000 MOLECULAR CLINICAL ONCOLOGY EXTENSION

PROGRAM" NO. 9980, 2016/18 (PI: P. TASSONE);

- "INNOVATIVE IMMUNOTHERAPEUTIC TREATMENTS OF HUMAN CANCER" MULTI UNIT REGIONAL NO. 16695 (COFINANZIATO DA AIRC E FONDAZIONE CARICAL), 2015/18 (PI: P. TASSONE).

BIBLIOMETRIC INDICATORS (SCOPUS)

Documents: 117
Citations: 3667
h-index: 36

PUBLICATIONS

1. Aquilina C, Romano A, Corsale AM, Biondo M, Speciale M, Tofacchi E, Di Simone M, Gigliotta E, Dieli C, Avellone C, Toscano A, Camarda L, Romano A, Cambria D, Giavaresi G, Raimondi L, Neri A, Campana S, Caccamo N, Dieli F, Siragusa S, Meraviglia S, **Botta C**. ***"Coevolution of NK and Tumor Cell States Along Multiple Myeloma Progression from Precursor Conditions."*** Int J Mol Sci. 2026 May 22;27(11):4682. doi: 10.3390/ijms27114682.
2. Touzeau C, Mina R, Quach H, Hungria V, Bhutani D, Chen W, Kumar S, Chaulagain C, Dimopoulos MA, Bahlis NJ, Maral S, van de Donk NWCJ, Schmidt Filho J, Saja K, Teipel R, Ando M, Roeloffzen W, Annibali O, Augustson B, **Botta C**, Delforge M, Bourgeois E, Buda G, Hus M, Perrot A, Preis M, Beksac M, Pour L, Farmer S, Nunes M, Oriol A, Melchardt T, Hu Y, Flogegård M, Wang D, Pei L, Wroblewski S, Ariës IM, Quijano Cardé NA, Perova T, de Jager T, Yeh TM, Vanquickelberghe V, Shah P, Chastain K, Kobos R, Carson R, Landgren O; MajesTEC-9 Trial Investigators. ***"Teclistamab in Multiple Myeloma with One to Three Previous Lines of Therapy."*** N Engl J Med. 2026 May 29. doi: 10.1056/NEJMoa2603870.
3. Cambria D, Cannizzaro MT, Parrinello NL, Marino S, Dulcamare I, Puccio N, Torricelli F, Lionetti M, Calvo D, Khosropoor M, Conticello C, Di Raimondo F, Raimondi L, Giavaresi G, **Botta C**, Neri A, Romano A. ***"FcγRIIIA Genotype in Plasma Cell Dyscrasias Is Associated with Clinical Progression, Bone Disease Extension and Immune Dysfunction."*** Cancers (Basel). 2026 Mar 26 doi: 10.3390/cancers18071084
4. **Botta C**, Colombo GL, Di Matteo S, Martinotti C, Fogliati EL, Bruno GM, Novelli G, Di Virgilio R, Veggia B, Galimberti S. ***"Cost-Effectiveness of Elranatamab Versus Teclistamab for the Management of Patients with Triple-Class Exposed Relapsed/Refractory Multiple Myeloma in Italy."*** Cancers (Basel). 2026 Mar 25;18(7):1070. doi: 10.3390/cancers18071070.
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