

PERSONAL INFORMATION

CASSATELLA, Marco Antonio

DEPARTMENT of MEDICINE, SECTION of GENERAL PATHOLOGY, strada Le Grazie, 8, 37134, VERONA ITALY

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Institutional website <https://www.dm.univr.it/?ent=persona&id=1189>

Scientific indexes:

<https://www.scopus.com/authid/detail.uri?authorId=7006155881>

🔗 <https://scholar.google.com/citations?hl=en&user=aUnJa2MAAAAJ>

Sex M | **Date of birth** 01/01/1959 | **Nationality** Italian

Current Position: Professor of General Pathology (University of Verona)

PhD awarded less than 10 Years ago: No

Scientific Profile: Prof. Cassatella's studies had the purpose to clarify: i) the nature, properties and the mechanisms of activation of the phagocyte NADPH oxidase; ii) the influence of IFN γ and other proinflammatory molecules on phagocyte oxidative metabolism; iii) the molecular bases of cytokine production by human neutrophils; iv) the mechanisms of activation of natural killer cells through CD16; v) the effects of amyloid beta (A β) on phagocyte proinflammatory functions; vi) gene expression regulation during neutrophil activation; vii) the regulatory mechanisms controlling neutrophil-mediated angiogenesis; viii) the signaling pathways activated via TLR4 and TLR8 in human leukocytes; ix) the epigenetic control of cytokine expression in human neutrophils; x) the molecular features and markers of human PMN-MDSCs; xi) the role of the 6-sulfo LacNAc⁺ monocytes in tumors; xii) neutropoiesis and the earliest precursors of neutrophils in human bone marrow.

Cassatella's group is recognized as an international leader in the field of innate immunity, in particular on the biology of neutrophils and monocytes and their involvement in tumor.

This is due not only for its scientific contribution, but also for having developed a series of biochemical, immunological and molecular biology approaches ideally utilizable for very delicate cells such as neutrophils, monocytes and dendritic cells. Additional expertise refers to next-generation sequencing techniques (including RNA-seq, ChIP-seq and single cell RNAseq) specifically set on human myeloid cells.

ROLE IN THE PROJECT

WORK EXPERIENCE

From 2001 to date, position held = **Professor**

From 1992 to 2001, position held = **Associate Professor**

From 1988 to 1992, position held = **Assistant Professor**

University of Verona, Department of Medicine, General Pathology Section

Teaching, Research in Immunology/General Pathology

2021 to 2024, President of the Italian Society of Immunology, Clinical Immunology and Allergology (SIICA)

2024 – current, IUIS Nomenclature of Monocytes and Dendritic Cells in Blood Sub-Committee (MonoDC): vice chair

2018 – Current, Director of the General Pathology Section, Teaching, Research

2000 to 2016, Coordinator of the PhD program in “Molecular and Cellular Biology and Pathology” and then in “Inflammation, Immunity and Cancer” at the Verona University

2018 to 2023, CTS Member of Associazione della Ricerca contro il cancro (AIRC)
2017 to 2021, SIICA President-elect
2010 to 2015, Society for Leukocyte Biology (USA) Councillor
2007 to 2011, Member of Telethon Scientific Committee (Italy)
2002 to 2003, European Society for Clinical Investigation, Councillor
2000 to 2008, SIICA Councillor

REVIEWING ACTIVITIES

- **2003-2006: 2006-2009**: “Associate Editor” of Journal of Immunology
 - **2001-present**: “Section Editor” of Journal of Leukocyte Biology
 - **2007-2016**: Member of the “Editorial Board” of the European Journal of Immunology
 - **2012-present**: “Section Editor” of Cytokine
 - **2020-2023**: “Section Editor” of *CANCERS*
 - “Guest Associate Editor” and “Review Editor” for *Frontiers in Immunology*
2018-present: Faculty Opinion member (previously F1000,
<https://facultyopinions.com/search?query=cassatella>)
2025-present: Member of the “Editorial Board” of the Myeloid Cells

- regular “Reviewer” of: Science, Nature, Nature Immunology, Nature Reviews in Immunology, JCI, JExpMed, BLOOD, Trends in Immunology, Journal of Immunology, European Journal of Immunology, Immunology, Infection & Immunity, Laboratory Investigation, Cancer Research, Laboratory Investigation, Arthritis and Rheumatism, Journal of Interferon & Cytokine Research, British Journal of Pharmacology, Trends in Microbiology, and more.

ORGANISATION OF SCIENTIFIC MEETINGS

- **Scientific Organizer** of two “European Phagocyte Workshop” (Milano, 7-10/4/1999; Verona, 2-5/4/2003)
 - **Local/Scientific Organizer** of the “II National Meeting of Societa' Italiana Immunologia Immunologia Clinica Allergologia (SIICA), Verona, 28-31/5/2003
 - **Local Organizer** of TOLL2011 “decoding innate immunity”, in Riva del Garda (TN), Italy, May 4-7,2010
 - **Scientific Organizer** of the 49th “Society of Leukocyte Biology Meeting (SLB)” Verona, 15-18/9/2016.
 - “Steering Committee” member of:
 “1st European Congress of Immunology – ECI, 6-9/9/2006 Paris/France;
 “2nd ECI Meeting, 26/9 – 1/10, 2009, Berlin”;
 “6th ECI Meeting, 2/9 – 5/9, 2021, Belgrad”;
 - “Steering Committee” member of 15th International Congress of Immunology- Milano (Italy) August 2013:
 - **Local/Scientific Organizer** of the “XIV National Meeting of Societa' Italiana Immunologia Immunologia Clinica Allergologia (SIICA), Verona, 22-25/5/2023

EDUCATION AND TRAINING

1987-1989

PostDoc in Immunology

Wistar Institute, Philadelphia, USA, in Dr. Giorgio Trinchieri's lab
Computer-driven Drug
AIRC fellowship, research on myeloid cell differentiation and NK biology

1983-1988

Specialization with full marks

University of Verona, ITALY

Clinical Biology

1977-1983

M.D. degree, with full marks and honor

University of Verona, ITALY

Medicine and Surgery

PERSONAL SKILLS

Organisational / managerial
skills

Prof. M.A. Cassatella directs a research group consisting of 8 persons, including technicians, PhD students and Post Docs from Italy and abroad. He has proficient skills in research projects formulation, as testified by the many research fundings obtained from national and international agencies. He has acquired good skills in budget administration, not only for the management of research funds, but for the organization of international conferences. Cassatella' group is continuously involved in national and international scientific collaborations

GOLDEN PARAGRAPH

Bibliometric Indicators:

Total number of **publications** in peer-review journals: 256

Total number of citations: **38155** (Google Scholar)

H index: 90 (Google Scholar)

H index (5y): (Google Scholar) 48

<https://scholargps.com/scholars/15015657725743/marco-a-cassatella>

5 most recent relevant publications in the last 3 years :

Bleve A, Incerti M, Consonni FM, Garlatti V, Ballerini G, Pandolfo C, Monari MN, Serio S, Pistillo D, Sironi M, Ali C, Manfredi M, Barberis E, Finocchiaro G, **Cassatella MA**, Panico C, Condorelli G, Sica A. ROR γ bridges cancer-driven lipid dysmetabolism and myeloid immunosuppression. **Cancer Discov.** 2025 Mar 12. doi: 10.1158/2159-8290.CD-24-0199. Online ahead of print. PMID: 40066819

Signoretto I, Calzetti F, Finotti G, Lonardi S, Balanzin C, Bianchetto-Aguilera F, Gasperini S, Gardiman E, Castellucci M, Russignan A, Bonifacio M, Sica A, Vermi W, Tecchio C, Scapini P, Tamassia N, **Cassatella MA**. Uncovering two neutrophil-committed progenitors that immediately precede promyelocytes during human neutropoiesis. **Cell Mol Immunol.** 2025 Mar;22(3):316-329. doi: 10.1038/s41423-025-01259-w. Epub 2025 Feb 13. PMID: 39939817 Free PMC article.

Pettinella F, Scapini P, **CASSATELLA MA**. **Cell Reports Medicine.** 2024 Jan 17:101380. Surface CD52, CD84, and PTGER2 mark mature PMN-MDSCs from cancer patients and G-CSF-treated donors. doi: 10.1016/j.xcrm.2023.101380.

Finotti G, Pietronigro E, Balanzin C, Lonardi S, Constantin G, Chao MP, Tecchio C, Vermi W, **CASSATELLA MA**. slan⁺ Monocytes Kill Cancer Cells Coated in Therapeutic Antibody by Trogoptosis. **Cancer Immunol Res.** 2023 Nov 1;11(11):1538-1552. doi: 10.1158/2326-6066.CIR-23-0239. PMID: 37695535

Calzetti F, Finotti G, Tamassia N,, **CASSATELLA MA**. **Nat Immunol**, Nat Immunol. 2022 Apr 28. CD66b-CD64dimCD115⁻ cells in the human bone marrow represent neutrophil-committed progenitors. doi:10.1038/s41590-022-01189-z.

Author and Editor of several books/chapter books, including own books.

Most relevant publications in the last 10 Years

Bleve A, Incerti M, Consonni FM, Garlatti V, Ballerini G, Pandolfo C, Monari MN, Serio S, Pistillo D, Sironi M, Ali C, Manfredi M, Barberis E, Finocchiaro G, **Cassatella MA**, Panico C, Condorelli G, Sica A. ROR γ bridges cancer-driven lipid dysmetabolism and myeloid immunosuppression. **Cancer Discov.** 2025 Mar 12. doi: 10.1158/2159-8290.CD-24-0199. Online ahead of print. PMID: 40066819

Signoretto I, Calzetti F, Finotti G, Lonardi S, Balanzin C, Bianchetto-Aguilera F, Gasperini S, Gardiman E, Castellucci M, Russignan A, Bonifacio M, Sica A, Vermi W, Tecchio C, Scapini P, Tamassia N, **Cassatella MA**. Uncovering two neutrophil-committed progenitors that immediately precede promyelocytes during human neutropoiesis. **Cell Mol Immunol.** 2025 Mar;22(3):316-329. doi: 10.1038/s41423-025-01259-w. Epub 2025 Feb 13. PMID: 39939817 Free PMC article.

Pettinella F, Mariotti B,, Brandau S, **Cassatella MA**, Scapini P. Surface CD52, CD84, and PTGER2 mark mature PMN-MDSCs from cancer patients and G-CSF-treated donors. **Cell Rep Med.** 2024 Jan 17:101380. doi: 10.1016/j.xcrm.2023.101380. Online ahead of print. PMID: 38242120 Free article. **IF 15**

Finotti G, Pietronigro E, Balanzin C, Lonardi S, Constantin G, Chao MP, Tecchio C, Vermi W, **Cassatella MA**. slan⁺ Monocytes Kill Cancer Cells Coated in Therapeutic Antibody by Trogoptosis. **Cancer Immunol Res**. 2023 Nov 1;11(11):1538-1552. doi: 10.1158/2326-6066.CIR-23-0239. PMID: 37695535 **IF 13**

Calzetti F, Finotti G, **Cassatella MA**. Current knowledge on the early stages of human neutropoiesis. **Immunol Rev**. 2023 Mar;314(1):111-124. doi: 10.1111/imr.13177. Epub 2022 Dec 9. PMID: 36484356 Review. **IF 9**

Montaldo E,, **Cassatella MA**, Hidalgo A, Kwok I, Ng LG, ... A, Ostuni R. Cellular and transcriptional dynamics of human neutrophils at steady state and upon stress. **Nat Immunol**. 2022 Oct;23(10):1470-1483. doi: 10.1038/s41590-022-01311-1. Epub 2022 Sep 22. PMID: 36138183 Free PMC article. **IF 25**

Calzetti F, Finotti G, Tamassia N, Bianchetto Aguilera F,, **CASSATELLA MA** (2022). CD66b-CD64dimCD115- cells in the human bone marrow represent neutrophil-committed progenitors. **NATURE IMMUNOLOGY**, Nat Immunol. 2022 Apr 28. doi: 10.1038/s41590-022-01189-z. **IF 25.06**

Tamassia, Nicola,, **CASSATELLA, Marco A.** (2021). Induction of OCT2 contributes to regulate the gene expression program in human neutrophils activated via TLR8. **CELL REPORTS**, vol. 35, p. 109143-109158. **IF 9.42**

CASSATELLA, Marco A, Scapini, Patrizia (2020). On the Improper Use of the Term High-Density Neutrophils. **TRENDS IN IMMUNOLOGY**, vol. 41, p. 1059-1061. **IF 16.69**

CASSATELLA, Marco A., Östberg, Nataliya K, Tamassia, Nicola, Soehnlein, Oliver (2019). Biological Roles of Neutrophil-Derived Granule Proteins and Cytokines. **TRENDS IN IMMUNOLOGY**, vol. 40, p. 648-664-664. **IF 16.69**

Calzetti, Federica, **CASSATELLA, Marco A.** (2018). Human dendritic cell subset 4 (DC4) correlates to a subset of CD14dim/-CD16⁺⁺ monocytes. **JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY**, vol. 314, p. 1-5. **IF 10.79**

Vermi, William, ...**CASSATELLA, Marco A.** (2018). slan⁺ monocytes and macrophages mediate CD20-dependent B cell lymphoma elimination via ADCC and ADCP. **CANCER RESEARCH**, vol. 78, p. 3544-3559. **IF 12.7**

Calzetti, Federica, Tamassia, Nicola, Arruda E Silva, Fabio, Gasperini, Sara, **CASSATELLA, Marco A.** (2017). The importance of being "pure" neutrophils. **JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY**, p. 352-355. **IF 10.79**

Marini, Olivia, ... **CASSATELLA, Marco A.** (2017). Mature CD10⁺ and immature CD10⁻ neutrophils present in G-CSF-treated donors display opposite effects on T cells. **BLOOD**, vol. 129, p. 1343-1356. **IF 23.7**

Zimmermann, Maili, Aguilera,, **CASSATELLA, Marco A.** (2015). Chromatin remodelling and autocrine TNF α are required for optimal interleukin-6 expression in activated human neutrophils. **NATURE COMMUNICATIONS**, vol. 6, p. 6061-6072. **IF 14.92**

SCAPINI, Patrizia, **CASSATELLA, Marco A.** (2014). Social networking of human neutrophils within the immune system. **BLOOD**, vol. 124, p. 710-719 **IF 23.7**

Projects/Grants

2022-2027

AIRC, Dissecting the role of novel neutrophil-progenitors in malignancy pathogenesis and in neutrophil subset generation, 994000 EUROS

2017-2022

AIRC, Identifying the immunological role of the various neutrophil subpopulations in human tumors, 680000 EUROS

2019-2023

MIUR

Emerging players shaping the responses of tumor inflammatory infiltrate, 118000 EUROS

2017-2021

MIUR

Molecular control of activation and suppression of innate immune cells, 152000 EUROS

Previously, Prof. Cassatella has been recipient of grants from several research agencies, including MIUR, Ministry of Health, AIRC, CARIPLO, Fondazione CARIVERONA and the European Union.

Conferences

Invited Lectures to many national and international meetings, including Gordon Conferences and World immunology meetings, as well as to a variety of Research centers/Universities/Institutions, all over the world.

Honours and awards

1999 Honorary Member of the Cuban Society of Immunology

2017 Bonazinga/Legacy Award from the Society of Leukocyte Biology (SLB)

(<https://slb.memberclicks.net/slb-legacy-award>)

2021 SLB Honorary Member (SLB)

(<https://slb.memberclicks.net/honorary-life-members>)

2024 SIICA Honorary Member as Past President of the Society

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Prof. Marco A. Cassatella

Verona, March 10th, 2026



LIST OF PUBMED PUBLICATIONS

249: Bleve A, Incerti M, Consonni FM, Garlatti V, Ballerini G, Pandolfo C, Monari MN, Serio S, Pistillo D, Sironi M, Ali C, Manfredi M, Barberis E, Finocchiaro G, **Cassatella MA**, Panico C, Condorelli G, Sica A. ROR γ bridges cancer-driven lipid dysmetabolism and myeloid immunosuppression. **Cancer Discov.** 2025 Mar 12. doi: 10.1158/2159-8290.CD-24-0199. Online ahead of print. PMID: 40066819

248: Pesenti L, de Oliveira Formiga R, Tamassia N, Gardiman E, Chable de La Héronnière F, Gasperini S, Chicher J, Kuhn L, Hammann P, Le Gall M, Saraceni-Tasso G, Martin C, Hosmalin A, Breckler M, Hervé R, Decker P, Ladjemi MZ, Pène F, Burgel PR, **Cassatella MA**, Witko-Sarsat V. Neutrophils Display Novel Partners of Cytosolic Proliferating Cell Nuclear Antigen Involved in Interferon Response in COVID-19 Patients. **J Innate Immun.** 2025;17(1):154-175. doi: 10.1159/000543633. Epub 2025 Feb 27. PMID: 40015257 Free PMC article.

247: Signoretto I, Calzetti F, Finotti G, Lonardi S, Balanzin C, Bianchetto-Aguilera F, Gasperini S, Gardiman E, Castellucci M, Russignan A, Bonifacio M, Sica A, Vermi W, Tecchio C, Scapini P, Tamassia N, **Cassatella MA**. Uncovering two neutrophil-committed progenitors that immediately precede promyelocytes during human neutropoiesis. **Cell Mol Immunol.** 2025 Mar;22(3):316-329. doi: 10.1038/s41423-025-01259-w. Epub 2025 Feb 13. PMID: 39939817 Free PMC article.

246: Laffranchi M, Paraboschi EM, Bianchetto-Aguilera F, Tamassia N, Gasperini S, Gardiman E, Piserà A, Del Prete A, Invernizzi P, Gismondi A, Mantovani A, **Cassatella MA**, Asselta R, Sozzani S. Neutrophils restricted contribution of *CCRL2* genetic variants to COVID-19 severity. **Heliyon.** 2024 Dec 17;11(1):e41267. doi: 10.1016/j.heliyon.2024.e41267. eCollection 2025 Jan 15. PMID: 39811276

245: **Cassatella MA**, Scapini P, Tamassia N. How murine neutrophils are hijacked within the microenvironment of pancreatic cancer. **J Leukoc Biol.** 2024 Mar 29;115(4):585-588. doi: 10.1093/jleuko/qiae042. PMID: 38394343.

244: Pettinella F, Mariotti B, Lattanzi C, Bruderek K, Donini M, Costa S, Marini O, Iannoto G, Gasperini S, Cavegion E, Castellucci M, Calzetti F, Bianchetto-Aguilera F, Gardiman E, Giani M, Dusi S, Cantini M, Vassanelli A, Pavone D, Milella M, Pilotto S, Biondani P, Höing B, Schlepner MC, Hussain T, Hadaschik B, Kaspar C, Visco C, Tecchio C, Koenderman L, Bazzoni F, Tamassia N, Brandau S, **Cassatella MA**, Scapini P. Surface CD52, CD84, and PTGER2 mark mature PMN-MDSCs from cancer patients and G-CSF-treated donors. **Cell Rep Med.** 2024 Feb 20;5(2):101380. doi: 10.1016/j.xcrm.2023.101380. Epub 2024 Jan 18. PMID: 38242120; PMCID: PMC10897522.

243: Signoretto I, Calzetti F, Gasperini S, Bianchetto-Aguilera F, Gardiman E, Finotti G, Tecchio C, Tamassia N, **Cassatella MA**. Human CD34⁺/dim neutrophil-committed progenitors do not differentiate into neutrophil-like CXCR1⁺CD14⁺CD16⁺ monocytes in vitro. **J Leukoc Biol.** 2024 Mar 29;115(4):695-705. doi: 10.1093/jleuko/qiad160. PMID: 38114064.

242: Tamassia N, Bianchetto-Aguilera F, Gasperini S, Grimaldi A, Montaldo C, Calzetti F, Gardiman E, Signoretto I, Castellucci M, Barnaba V, Tripodi M, **Cassatella MA**. The slan antigen identifies the

prototypical non-classical CD16⁺-monocytes in human blood. **Front Immunol.** 2023 Oct 27;14:1287656. doi: 10.3389/fimmu.2023.1287656. PMID: 37965335; PMCID: PMC10641684.

241: Pettinella F, Lattanzi C, Donini M, Caveggion E, Marini O, Iannoto G, Costa S, Zenaro E, Fortunato TM, Gasperini S, Giani M, Belluomini L, Sposito M, Insolda J, Scaglione IM, Milella M, Adamo A, Poffe O, Bronte V, Dusi S, **Cassatella MA**, Ugel S, Pilotto S, Scapini P. Plasmacytoid Dendritic Cell, slan⁺-Monocyte and Natural Killer Cell Counts Function as Blood Cell-Based Biomarkers for Predicting Responses to Immune Checkpoint Inhibitor Monotherapy in Non-Small Cell Lung Cancer Patients. **Cancers** (Basel). 2023 Nov 3;15(21):5285. doi: 10.3390/cancers15215285. PMID: 37958458; PMCID: PMC10647811.

240: Adamo A, Frusteri C, Pilotto S, Caligola S, Belluomini L, Poffe O, Giacobazzi L, Dusi S, Musiu C, Hu Y, Wang T, Rizzini D, Vella A, Canè S, Sartori G, Insolda J, Sposito M, Incani UC, Carbone C, Piro G, Pettinella F, Qi F, Wang D, Sartoris S, De Sanctis F, Scapini P, Dusi S, **Cassatella MA**, Bria E, Milella M, Bronte V, Ugel S. Immune checkpoint blockade therapy mitigates systemic inflammation and affects cellular FLIP-expressing monocytic myeloid-derived suppressor cells in non-progressor non-small cell lung cancer patients. **Oncoimmunology.** 2023 Sep 14;12(1):2253644. doi: 10.1080/2162402X.2023.2253644. PMID: 37720688; PMCID: PMC10503454.

239: Dotta L, Baresi G, Tamassia N, Calzetti F, Bianchetto-Aguilera F, Gasperini S, Gardiman E, Chiarini M, Moratto D, Martellosio G, Serana F, Micheletti M, Tregambe D, Pintabona V, Soncini E, Meini A, Girelli MF, Beghin A, Lanfranchi A, Bugatti M, Brugnoli D, Soresina A, Plebani A, **Cassatella MA**, Vermi W, Porta F, Badolato R. Clinical and transcriptomic characteristics of a novel SMARCD2 mutation that disrupts neutrophil maturation and function. **Pediatr Blood Cancer.** 2023 Dec;70(12):e30671. doi: 10.1002/pbc.30671. Epub 2023 Sep 15. PMID: 37712719.

238: Finotti G, Pietronigro E, Balanzin C, Lonardi S, Constantin G, Chao MP, Tecchio C, Vermi W, **Cassatella MA**. slan⁺ Monocytes Kill Cancer Cells Coated in Therapeutic Antibody by Trogoptosis. **Cancer Immunol Res.** 2023 Nov 1;11(11):1538-1552. doi: 10.1158/2326-6066.CIR-23-0239. PMID: 37695535.

237: Olivieri O, Gasperini S, Calzetti F, Gardiman E, Castagna A, Martinelli N, Tamassia N, Cassatella MA. CD14⁺-Monocytes Exposed to Apolipoprotein CIII Express Tissue Factor. **Int J Mol Sci.** 2023 Jan 22;24(3):2223. doi: 10.3390/ijms24032223. PMID: 36768547; PMCID: PMC9916694.

236: **Cassatella MA**, Nauseef WM. Neutrophils and their friends. **Immunol Rev.** 2023 Mar;314(1):6-12. doi: 10.1111/imr.13188. Epub 2023 Jan 24. PMID: 36693675.

235: Gardiman E, Bianchetto-Aguilera F, Gasperini S, Tiberio L, Scandola M, Lotti V, Gibellini D, Salvi V, Bosisio D, **Cassatella MA**, Tamassia N. SARS-CoV-2-Associated ssRNAs Activate Human Neutrophils in a TLR8-Dependent Fashion. **Cells.** 2022 Nov 26;11(23):3785. doi: 10.3390/cells11233785. PMID: 36497044; PMCID: PMC9738506.

234: Calzetti F, Finotti G, **Cassatella MA**. Current knowledge on the early stages of human neutropoiesis. **Immunol Rev.** 2023 Mar;314(1):111-124. doi: 10.1111/imr.13177. Epub 2022 Dec 9. PMID: 36484356.

233: Costa S, Bevilacqua D, Caveggion E, Gasperini S, Zenaro E, Pettinella F, Donini M, Dusi S, Constantin G, Lonardi S, Vermi W, De Sanctis F, Ugel S, Cestari T, Abram CL, Lowell CA, Rodegher P, Tagliaro F, Girolomoni G, **Cassatella MA**, Scapini P. Neutrophils inhibit $\gamma\delta$ T cell functions in the imiquimod-induced

mouse model of psoriasis. **Front Immunol.** 2022 Nov 15;13:1049079. doi: 10.3389/fimmu.2022.1049079. PMID: 36466913; PMCID: PMC9709482.

232: Montaldo E, Lusito E, Bianchessi V, Caronni N, Scala S, Basso-Ricci L, Cantaffa C, Masserdotti A, Barilaro M, Barresi S, Genua M, Vittoria FM, Barbiera G, Lazarevic D, Messina C, Xue E, Markt S, Tresoldi C, Milani R, Ronchi P, Gattillo S, Santoleri L, Di Micco R, Ditadi A, Belfiori G, Aleotti F, Naldini MM, Gentner B, Gardiman E, Tamassia N, Cassatella MA, Hidalgo A, Kwok I, Ng LG, Crippa S, Falconi M, Pettinella F, Scapini P, Naldini L, Ciceri F, Aiuti A, Ostuni R. Cellular and transcriptional dynamics of human neutrophils at steady state and upon stress. **Nat Immunol.** 2022 Oct;23(10):1470-1483. doi: 10.1038/s41590-022-01311-1. Epub 2022 Sep 22. PMID: 36138183; PMCID: PMC7615267.

231: Schioppa T, Nguyen HO, Salvi V, Maugeri N, Facchinetti F, Villetti G, Civelli M, Gaudenzi C, Passari M, Sozio F, Barbazza I, Tamassia N, **Cassatella MA**, Del Prete A, Bosisio D, Tiberio L. The PDE4 Inhibitor Tanimilast Restrains the Tissue-Damaging Properties of Human Neutrophils. **Int J Mol Sci.** 2022 Apr 29;23(9):4982. doi: 10.3390/ijms23094982. PMID: 35563373; PMCID: PMC9104715.

230: Calzetti F, Finotti G, Tamassia N, Bianchetto-Aguilera F, Castellucci M, Canè S, Lonardi S, Cavallini C, Matte A, Gasperini S, Signoreto I, Benedetti F, Bonifacio M, Vermi W, Ugel S, Bronte V, Tecchio C, Scapini P, **Cassatella MA**. CD66b⁺CD64⁺CD115⁻ cells in the human bone marrow represent neutrophil-committed progenitors. **Nat Immunol.** 2022 May;23(5):679-691. doi: 10.1038/s41590-022-01189-z. Epub 2022 Apr 28. PMID:35484408.

229: D'Amelio R, Asero R, **Cassatella MA**, Laganà B, Lunardi C, Migliorini P, Nisini R, Parronchi P, Quinti I, Racanelli V, Senna G, Vacca A, Maggi E. Anti- COVID-19 Vaccination in Patients with Autoimmune-Autoinflammatory Disorders and Primary/Secondary Immunodeficiencies: The Position of the Task Force on Behalf of the Italian Immunological Societies. **Biomedicines.** 2021 Sep 4;9(9):1163. doi: 10.3390/biomedicines9091163. PMID: 34572349; PMCID: PMC8465958.

228: Salvi V, Nguyen HO, Sozio F, Schioppa T, Gaudenzi C, Laffranchi M, Scapini P, Passari M, Barbazza I, Tiberio L, Tamassia N, Garlanda C, Del Prete A, **Cassatella MA**, Mantovani A, Sozzani S, Bosisio D. SARS-CoV-2-associated ssRNAs activate inflammation and immunity via TLR7/8. **JCI Insight.** 2021 Sep 22;6(18):e150542. doi: 10.1172/jci.insight.150542. PMID: 34375313; PMCID: PMC8492321.

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