

FLAVIA BAZZONI
CURRICULUM VITAE



CITIZENSHIP: ITALIAN
POSITION: FULL PROFESSOR
INSTITUTION: DEPARTMENT OF MEDICINE, DIVISION OF GENERAL PATHOLOGY, UNIVERSITY OF VERONA.

EDUCATION

1987: Degree in "Biological Sciences" from the University of Padova (Italy), Faculty of Mathematical, Physical and Natural Sciences.
1989: Post-graduate course on "Gene transfection in eucariotic cells", Scuola Superiore di Oncologia e Scienze Biomediche di Genova
1993: Doctoral degree in "Cellular and Molecular Biology and Pathology".

PROFESSIONAL CAREER

1984-1987: under-graduate internship at the Institute of General Pathology, Faculty of Medicine, University of Verona, under the supervision of Prof. Filippo Rossi.
1987-1988: scholarship from the "Consorzio per lo sviluppo degli Studi Universitari". Institute of General Pathology, Faculty of Medicine, University of Verona.
1988: visiting scientist in Prof. Antony Segal laboratory, Department of Medicine, University College, Londra.
1990: visiting scientist in Prof. Marco Baggiolini laboratory, Theodor Kocher Institute, University of Bern.
1991-1995: visiting scientist (1991-1992), post-doctoral fellow (1993-1994), Research Associate (1995-1995) at the Howard Hughes Medical Institute, Southwestern Medical Center at Dallas, Texas, in the laboratory of Prof. Bruce Beutler.
1995-2004: appointed as Assistant Professor at the Institute of General Pathology, University of Medicine, Verona, Italy.
2005-February 2021: appointed as Associate Professor at the Department of Pathology and Diagnostic (2005-2016), and at the Department of Medicine (2016-today), University of Verona.
March 2022: appointed as Full Professor at the Department of Medicine, section of General Pathology, University of Verona.

ACADEMIC APPOINTMENTS

2006-2008 member of the Evaluation Committee for allocation funds (ex 60%) of the Faculty of Medicine, University of Verona
2008-2010 member of the committee for the Research and Development of the Faculty of Medicine, University of Verona
2011-2014 member of the Academic Senate, University of Verona
2011-2014 Member of the Evaluation Committee for allocation funds FUR of the Ateneo

EDITORIAL AND SCIENTIFIC ACTIVITY

1999 PATENTS Flavia Bazzoni, Bruce Beutler - Modified Receptors that continuously signal. US Patent number 5,925,548. Date of patent: July 20, 1999
2013 Member of the Editorial Board of *Genes & Immunity*.
2015 Associate Editor of *Frontiers in Immunology*, section Cytokines and Soluble Mediators in Immunity.
2019 Editor of the Research Topic "Regulation of Soluble Immune Mediators by Non-Coding RNAs" in *Frontiers in Immunology*

Member of the Società Italiana di Immunologia, Immunologia Clinica e Allergologia (SIICA) and of the Society for Leukocyte Biology.

2014-2021: member of the Directory Board of SIICA.

CURRENT RESEARCH INTERESTS

- A) Negative regulation of the inflammatory response: molecular mechanisms of IL-10 antiinflammatory activity.
- B) Non-coding RNA in the inflammatory response.
- C) Epigenetic control of the inflammatory response.
- D) Role of sex on the transcriptional and epigenetic profile of human neutrophils.

BIBLIOMETRIC PARAMETERS

SCOPUS

Scopus ID: 6603871412

h-index: 38 (<https://www.scopus.com/authid/detail.uri?authorId=6603871412>)

Times Cited: 6,331

ORCID Number <http://orcid.org/0000-0001-6768-8012>

Author or co-author of 73 manuscripts published in international journals reviewed in the Current Contents (Life Science), and 5 publication in books.

Since 1995, group leader in the Unit of General Pathology, Department of Pathology and Diagnostics (2005-2016) and Department of Medicine (2016-today), University of Verona.

Principal Investigator of several research project, founded by National/International agencies, after peer-review evaluation.

PUBLICATIONS

1. Barbara Mariotti, Sara Gasperini, Chiara Bracaglia, Carlo Frigenti, Giulia Sartori, Claudia di Chiara, Francesca Sangiovanni, Ernesto Crisafulli and Flavia Bazzoni. Sex-dependent transcriptional and epigenetic regulation of neutrophil inflammatory programs in COPD. *Frontiers in Immunology*. 2026; 17:1824596. doi: 10.3389/fimmu.2026.1824596
2. Carolina Gaudenzi; Irene Lo Cigno; Helena Stabile; Roberta Maggio; Francesca Bianchi; Gaia Giongrandi; Stefania Zini; Tiziana Schioppa; Laura Tiberio; Angela Ceribelli; Carlo Selmi; Marisa Gariglio; Angela Gismondi; Silvano Sozzani; Annalisa Del Prete; Flavia Bazzoni; Daniela Bosisio; Valentina Salvi. Psoriatic microRNAs induce NK cell activation via an innate immune crosstalk abrogated by the Toll-like receptor 7/8 antagonist Enpatoran. *Journal of Translational Medicine*, 2026;24(1):478. doi: 10.1186/s12967-026-07909-5.
3. Calabretto G, Binatti A, Teramo A, Buratin A, Barilà G, Gasparini VR, Vicenzetto C, Gaffo E, Rampazzo E, Orsi S, Buson E, Trimarco V, Mariotti B, Facco M, **Bazzoni F**, Trentin L, Semenzato G, Zambello R, Bortoluzzi S. Transcriptomic landscape of CD8+ and CD4 + T-LGL leukemia revealed the distinct impact of STAT3 and STAT5B activating mutations. *Leukemia*. 2025 Jul 28. doi: 10.1038/s41375-025-02708-1. Online ahead of print. PMID: 40721648
4. Lattanzi C, Bianchetto-Aguilera F, Donini M, Pettinella F, Caveggion E, Castellucci M, Gasperini S, Mariotti B, Signoretto I, Cantini M, Pilotto S, Belluomini L, Tecchio C, **Bazzoni F**, Brandau S, Tamassia N, Cassatella MA, Scapini P. Uncovering common transcriptional features shared by mature peripheral blood PMN-MDSCs and tumor-infiltrating neutrophils in humans. *Oncoimmunology*. 2025 Dec;14(1):2521396. doi: 10.1080/2162402X.2025.2521396. Epub 2025 Jul 1. PMID: 40590753

5. Barbara Mariotti, Chiara Bracaglia, Sara Gasperini, Giulia Sartori, Ernesto Crisafulli and Flavia Bazzoni. Innate immune reprogramming in circulating neutrophils of COPD patients. *Journal of Allergy and Clinical Immunology* 2025, 156 (2):373-384. doi: 10.1016/j.jaci.2025.04.011. PMID: 40239873.
6. Valentina Salvi, Carolina Gaudenzi, Barbara Mariotti, Gaia Giongrandi, Silvia Alacqua, Veronica Gianello, Tiziana Schioppa, Laura Tiberio, Angela Ceribelli, Carlo Selmi, Paolo Bergese, Stefano Calza, Annalisa Del Prete, Silvano Sozzani, Flavia Bazzoni and Daniela Bosisio. Cell damage shifts the microRNA content of small extracellular vesicles into a Toll-like receptor 7-activating cargo capable to propagate inflammation and immunity. *Cell Communication and Signaling* 2024, 22:536.
7. 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; Matteo, G; Dusi, S; Cantini, M; Vassanelli, A; Pavone, D; Milella, M; Pilotto, S; Biondani, P; Hoing, B; Schleupner, MC; Hussain, T; Boris, H; Kaspar, C; Visco, C; Tecchio, C; Koenderman, L; Bazzoni, F; Cassatella, MA; Scapini, P. Surface CD52, CD84, and PTGER2 mark mature PMN-MDSCs from cancer patients and G-CSF-treated donors. *Cell Reports Medicine* 2024, 5:101380.
8. Barbara Mariotti, Costanza Di Blas, Flavia Bazzoni. Implementation of a combined bioinformatics and experimental approach to address lncRNA mechanism of action: the example of NRIR. *Frontiers in Molecular Biosciences* 2022, 9:873847.
9. Troianova N, Mariotti B, Micheletti V, Calzetti F, Donini M, Salvagno G, Ferrari M, Crisafulli E, Bazzoni F. Impact of Sex on Circulating Leukocytes Composition in COPD Patients. *International Journal COPD* 2021; 16:3539-3550.
10. Servaas NH, Mariotti B, van der Kroef M, Wichers CGK, Pandit A, **Bazzoni F**, Radstake TRDJ, Rossato M. Characterization of Long Non-Coding RNAs in Systemic Sclerosis Monocytes: A potential Role for PSMB8-AS1 in Altered Cytokine Secretion. *Int J Mol Sci.* 2021; 22:4365. doi: 10.3390/ijms22094365.
11. Daniela Bosisio and **Flavia Bazzoni**. Regulation of Soluble Immune Mediators by Non-Coding RNAs. *Frontiers in Immunology*, 2020 Oct 15;11:607222. doi: 10.3389/fimmu.2020.607222. eCollection 2020.
12. Tamassia N, Cassatella MA, **Bazzoni F**. Fast and Accurate Quantitative Analysis of Cytokine Gene Expression in Human Neutrophils by Reverse Transcription Real-Time PCR. *Methods Mol Biol.* 2020; 2087:243-260.
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16. Mariotti B, Servaas NH, Rossato M, Tamassia N, Cassatella MA, Cossu M, Beretta L, van der Kroef M, Radstake TRDJ and **Bazzoni F** (2019). The Long-Non-coding RNA NRIR Drives IFN-Response in Monocytes: Implication for Systemic Sclerosis. *Frontiers in Immunology* 2019; January 2019, Volume 10, Article 100.
17. Graziella Curtale, Tiziana A. Renzi, Massimiliano Mirolo, Lorenzo Drufuca, Manuel Albanese, Mariacristina De Luca, Marzia Rossato, **Flavia Bazzoni** and Massimo Locati. Multi-Step Regulation of the TLR4 Pathway by the miR-125a-99b-let-7e Cluster. *Frontiers in Immunology* 2018, 9:2037.
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22. Tamassia N, Cassatella MA, **Bazzoni F**. Fast and accurate quantitative analysis of cytokine gene expression in human neutrophils. *Methods in Molecular Biology* 2014; 1124:451-67.
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25. Nicola Tamassia, Maili Zimmermann, Monica Castellucci, Renato Ostuni, Kirsten Bruderek, Bastian Schilling, Sven Brandau, **Flavia Bazzoni**, Gioacchino Natoli, and Marco A. Cassatella. An Inactive Chromatin Configuration at the IL-10 Locus in Human Neutrophils. *The Journal of Immunology* 2013; 190:1921-1925. DOI: 10.4049/jimmunol.1203022
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32. **Flavia Bazzoni**, Nicola Tamassia, Marzia Rossato and Marco A. Cassatella. Understanding the molecular mechanisms of the multifaceted IL-10-mediated anti-inflammatory response: lessons from neutrophils. *European Journal of Immunology* 2010, 40:2360-2368.
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- dependent NF- κ B recruitment to the IL-1 α promoter that is impaired in STAT3 functionally defective patients. *FASEB Journal* 2010, 24: 1365-1375.
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 36. Nicola Tamassia, Vincent Le Moigne, Marzia Rossato, Marta Donini, Stephen McCartney, Federica Calzetti, Marco Colonna, **Flavia Bazzoni** and Marco Cassatella. Activation of an immunoregulatory and antiviral gene expression program in poly(I:C)-transfected human neutrophils. *The Journal of Immunology* 2008, 181:6563-6573.
 37. Tamassia N, Cassatella MA, **Bazzoni F**. Fast and accurate quantitative analysis of cytokine gene expression in human neutrophils by reverse transcription real-time PCR. *Methods in Molecular Biology* 2007;412:455-71
 38. N. Tamassia, F. Calzetti, N. Menestrina, M. Rossato, **F. Bazzoni**, L. Götting, and M.A. Cassatella. Circulating neutrophils of septic patients constitutively express interleukin-10R1 (IL-10R1) and are promptly responsive to IL-10. *International Immunology* 2008, 20:535-541.
 39. P. Scapini, **F. Bazzoni**, M.A. Cassatella. Regulation of B-cell-activating factor (BAFF)/B lymphocyte stimulator (BLyS) expression in human neutrophils. *Immunology Letters* 2008, 116:1-6.
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 41. N. Tamassia, F. Calzetti, T. Ear, A. Cloutier, S. Gasperini, **F. Bazzoni**, P. McDonald, MA. Cassatella. Molecular mechanisms underlying the synergistic induction of CXCL10 by LPS and IFN- γ in human neutrophils. *European Journal of Immunology* 2007, 37:2627-2634.
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Interleukin-10 and cAMP-elevating agents cooperate to induce suppressor of cytokine signaling-3 via a protein kinase A-independent signal. *European Cytokine Network* 2002, 13, 47-53.)
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In fede

Flavia Bazzoni

A handwritten signature in black ink, appearing to read 'Flavia Bazzoni', with a long horizontal stroke extending to the right.

Verona, 02/09/2026