

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

Member of the Editorial Board of *Genes & Immunity*.
Associate Editor of *Frontiers in Immunology*, section Cytokines and Soluble Mediators in Immunity.

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.

Author or co-author of 67 manuscripts published in international journals reviewed in the Current Contents (Life Science).

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.

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.

BIBLIOMETRIC PARAMETERS

Web of Science:

h-index: 37

Times Cited: 6,427 Total; 6,323 Without self-citations

SCOPUS

h-index: 37

Times Cited: 5,970 TOTAL

ORCID NUMBER [HTTP://ORCID.ORG/0000-0001-6768-8012](http://ORCID.ORG/0000-0001-6768-8012)

PUBLICATIONS

1. 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.
DOI: 10.1016/j.xcrm.2023.101380
2. 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.
DOI: 10.3389/fmolb.2022.873847
3. 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.
DOI: 10.2147/COPD.S341623.

4. 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. *International Journal of Molecular Sciences* 2021; 22:4365.
DOI: 10.3390/ijms22094365.
5. Daniela Bosisio and Flavia Bazzoni
Regulation of Soluble Immune Mediators by Non-Coding RNAs.
Frontiers in Immunology, 2020;11:607222.
DOI: 10.3389/fimmu.2020.607222.
6. 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 2020; 2087:243-260.
DOI: 10.1007/978-1-0716-0154-9_19.
7. Mariotti B, Calabretto G, Rossato M, Teramo A, Castellucci M, Barilà G, Leoncin M, Vicenzetto C, Facco M, Semenzato G, Bazzoni F, Zambello R. (Corresponding author)
Identification of a miR-146b-FasL axis in the development of neutropenia in T large granular lymphocyte leukemia.
Haematologica 2020; 105:1351-1360.
DOI: 10.3324/haematol.2019.225060.
8. Brook AC, Jenkins RH, Clayton A, Kift-Morgan A, Raby AC, Shephard AP, Mariotti B, Cuff SM, Bazzoni F, Bowen T, Fraser DJ, Eberl M.
Neutrophil-derived miR-223 as local biomarker of bacterial peritonitis.
Scientific Reports 2019; 9:10136.
DOI: 10.1038/s41598-019-46585-y.
9. van der Kroef M, Castellucci M, Mokry M, Cossu M, Garonzi M, Bossini-Castillo L, Chouri E, Wichers C.G.K, Beretta L, Trombetta E, Silva-Cardoso S, Vazirpanah N, Carvalho T, Angiolilli C, Bekker C.P.J, Affandy A.J, Reedquist K.A, Bonte-Mineur F, Zirkzee EJM, Bazzoni F, Radstake TRDJ and Rossato M.
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Annals of the Rheumatic Diseases 2019; 78:529-538.
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10. Mariotti B, Servaas NH, Rossato M, Tamassia N, Cassatella MA, Cossu M, Beretta L, van der Kroef M, Radstake TRDJ and Bazzoni F
The Long-Non-coding RNA NRIR Drives IFN-Response in Monocytes: Implication for Systemic Sclerosis.
Frontiers in Immunology 2019; 10:100.
DOI: 10.3389/fimmu.2019.00100
11. 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
DOI: 10.3389/fimmu.2018.02037
12. SIICA Board, Annunziato F, Bazzoni F, Carbone E, Cassatella MA, De Palma R, Di Rosa

F, Gabrielli A, Granucci F, Locati M, Quinti I, Santoni A.
UniVax Day 2018 - Outreach to high school students to improve vaccination rates.
European Journal of Immunology 2018; 48:1266-1268 DOI:10.1002/eji.201870105.

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Journal of Experimental & Clinical Cancer Research 2015; 34:108.
DOI: 10.1186/s13046-015-0225-7
14. Monica Castellucci, Marzia Rossato, Federica Calzetti, Nicola Tamassia, Stefano Zeminian, Marco A. Cassatella, and Flavia Bazzoni.
IL-10 disrupts the Brd4-docking sites to inhibit LPS-induced CXCL8 and TNF- α expression in monocytes: implication for COPD.
Journal of Allergy and Clinical Immunology 2015; 136:781-791.e9
DOI: 10.1016/j.jaci.2015.04.023
15. Maili Zimmermann, Francisco Bianchetto Aguilera, Monica Castellucci, Marzia Rossato, Sara Costa, Claudio Lunardi, Renato Ostuni, Giampiero Girolomoni, Gioacchino Natoli, Flavia Bazzoni, Nicola Tamassia, and Marco A. Cassatella.
Chromatin remodelling and autocrine TNF α are required for optimal interleukin-6 expression in activated human neutrophils.
Nature Communications, 2015; 6:6061
DOI: 10.1038/ncomms7061
16. 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.
DOI: 10.1007/978-1-62703-845-4_27
17. Sarath Kiran Channavajjhala, Marzia Rossato, Francesca Morandini, Annalisa Castagna, Francesca Pizzolo, Flavia Bazzoni and Oliviero Olivieri. Optimizing the purification and analysis of miRNAs from urinary exosomes. Clinical Chemistry and Laboratory Medicine 2014; 52:345-54.
DOI: 10.1515/cclm-2013-0562
18. Graziella Curtale, Massimiliano Mirolo , Tiziana Renzi, Marzia Rossato, Flavia Bazzoni, Massimo Locati.
Negative regulation of Toll-Like Receptor 4 signalling by the IL-10-dependent microRNA-146b.
Proceeding of the National Academy of Science U.S.A. 2013; 110:11499-11504.
DOI: 10.1073/pnas.1219852110
19. Nicola Tamassia, Maili Zimmermann, Monica Castellucci, Renato Ostuni, Kirsten Bruderek, Bastian Schilling, Sven Brandau, Flavia Bazzoni, Gioacchino Natoli, and Marco A. Cassatella.
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20. Marzia Rossato, Graziella Curtale, Nicola Tamassia, Monica Castellucci, Laura Mori, Sara Gasperini, Barbara Mariotti, Mariacristina De Luca, Massimiliano Mirolo, Marco A. Cassatella, Massimo Locati and Flavia Bazzoni.

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Proceeding of the National Academy of Science U.S.A. 2012; 109:18257-18258, E3101-3110.

DOI: 10.1073/pnas.1209100109

21. Tamassia N, Bazzoni F, Le Moigne V, Calzetti F, Masala C, Grisendi G, Bussmeyer U, Scutera S, De Gironcoli M, Costantini C, Musso T, Cassatella MA.

IFN- β expression is directly activated in human neutrophils transfected with plasmid DNA and is further increased via TLR-4-mediated signaling.

The Journal of Immunology 2012; 189:1500-1509.

DOI: 10.4049/jimmunol.1102985

22. Martin S. Davey, Nicola Tamassia, Flavia Bazzoni, Federica Calzetti, Kirsten Bruderek, Marina Sironi, Lisa Zimmer, Barbara Bottazzi, Alberto Mantovani, Sven Brandau, Bernhard Moser, Matthias Eberl, and Marco A. Cassatella. Failure to detect production of IL-10 by human neutrophils

Nature Immunology, 2011, 12:1017-1018

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DOI: 10.1182/blood-2011-01-330571

25. Francesca Morandini, Linda Avesani, Luisa Bortesi, Bart Van Droogenbroeck, Elsa Arcalis, Flavia Bazzoni, Luca Santi, Annalisa Brozzetti, Alberto Falorni, Eva Stoger³, Ann Depicker, Mario Pezzotti.

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DOI: j.1467-7652.2011.00605.x

26. 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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27. Nicola Tamassia, Monica Castellucci, Marzia Rossato, Sara Gasperini, Daniela Bosisio, Mauro Giacomelli, Raffaele Badolato, Marco A. Cassatella and Flavia Bazzoni.

Uncovering an IL-10-dependent NF- κ B recruitment to the IL-1 α promoter that is impaired in STAT3 functionally defective patients.

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28. Luisa Bortesi, Marzia Rossato, Flora Schuster, Nicole Raven, Johannes Stadlmann, Linda Avesani, Alberto Falorni, Flavia Bazzoni, Ralph Bock, Stefan Schillberg, Mario Pezzotti.
Viral and murine interleukin-10 are correctly processed and retain their biological activity when produced in tobacco.
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Activation of an immunoregulatory and antiviral gene expression program in poly(I:C)-transfected human neutrophils.
The Journal of Immunology 2008, 181:6563-6573.
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Fast and accurate quantitative analysis of cytokine gene expression in human neutrophils by reverse transcription real-time PCR.
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DOI: 10.1007/978-1-59745-467-4_28
32. N. Tamassia, F. Calzetti, N. Menestrina, M. Rossato, F. Bazzoni, L. Gottin, and M.A. Cassatella.
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Lipopolysaccharide primes neutrophils for a rapid response to IL-10.

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The Journal of Immunology 2004; 172: 7031-7042.
DOI: 10.4049/jimmunol.172.11.7031
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The Journal of Biological Chemistry 2004; 279:13746-13754.
DOI: 10.1074/jbc.M308999200
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56. M.A.Amezaga, F.Bazzoni, C.Sorio, F.Rossi and M.A.Cassatella.

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