

CURRICULUM VITAE

Name: Cecilia Garlanda

Place and date of birth: Ivrea (To), 30th April 1964

Profession: Laboratory Head, Istituto Clinico Humanitas, Via Manzoni 56, 20089 Rozzano, Milano, Tel: 02-82245115 Fax: 02-82245101 E-mail: Cecilia.garlanda@humanitasresearch.it

Education and training

1990 Degree in Veterinary Medicine. Faculty of Veterinary Medicine, Università degli Studi di Milano, Milan, Italy. Evaluation: 110/110 cum laude

1993 Specialization in Pharmacological Research. School of Specialization in Pharmacological Research of Lombardia Region, Milan.

Awards

1993-1994- Borsa di studio, Associazione Italiana per la Ricerca sul Cancro.

Research assistant, Laboratory of Immunology, Istituto di Ricerche Farmacologiche "Mario Negri", Milan.

1994-1995- Borsa di studio, Associazione Italiana per la Ricerca sul Cancro

Visiting fellow, Département de Biologie Moléculaire et Structurale- Unité INSERM 217-Centre d'Etudes Nucléaires de Grenoble, France.

1996-1997- Borsa di studio, Istituto Superiore di Sanità Per la ricerca su AIDS. Research assistant, Laboratory of Immunology, Istituto di Ricerche Farmacologiche "Mario Negri", Milan.

Professional experience

1987-1990 Internal student. Department of Veterinary Pharmacology, Università degli Studi di Milano, Milan, Italy.

1991-1994 Research assistant, Laboratory of Immunology, Istituto di Ricerche Farmacologiche "Mario Negri", Milan.

1994-1995 Visiting fellow, Département de Biologie Moléculaire et Structurale- Unité INSERM 217-Centre d'Etudes Nucléaires de Grenoble, France.

1996-2004 Research assistant, and 2004-2005 Unit Head (Experimental Immunopathology) in the Laboratory of Immunology, Istituto di Ricerche Farmacologiche "Mario Negri", Milan.

From Sept 2005 Head of the Laboratory of Experimental Immunopathology in the Dept. of Research in Immunology, Istituto Clinico Humanitas, Rozzano, Milan.

From September 2015: Adjunct Professor of Medical Microbiology, Humanitas University, Rozzano, Milan.

From May 2017: Associate Professor of Clinical Pathology, Humanitas University, Rozzano, Milan.

From October 2021: Delegate by the Rector for Gender Equality Plan, Humanitas University, Rozzano, Milan.

2012: **National academic qualification (Abilitazione scientifica nazionale, 2^a fascia)** in General Pathology (06/A2), (DD n. 222/2012).

2020: **National academic qualification (Abilitazione scientifica nazionale, prima fascia)** in General Pathology (06/A2), (DD n. 2175/2018).

Scientific activity

Scientific activity is documented by several congress attendances or courses as invited speaker, **233 (PubMed) scientific publications on international journals**, 17 chapters on scientific books; **total H index 77; 2012-2022 H index: 49; 25396 citations (Scopus)**.

Main lines of research

A) Characterization of murine models of vascular tumour (Garlanda C, et al. Progressive growth in immunodeficient mice and host cell recruitment by mouse endothelial cells transformed by polyoma middle-sized T antigen: Implications for pathogenesis. *Proc Natl Acad Sci USA* 1994; 91: 7291-7295).

B) Production of monoclonal antibodies against the murine vascular endothelium and purification by immunoaffinity of endothelial molecules (1): Garlanda C, et al. Characterization of MEC 14.7, a new monoclonal antibody recognizing mouse CD34: A useful reagent for identifying and characterizing blood vessels and hematopoietic precursors. *Eur J Cell Biol* 1997; 73: 368-377. 2): Garlanda C. Purification through affinity chromatography and microsequencing. In: Adhesion protein protocols. Humana Press, Totowa, NJ; 1999 : 29-37. 3): Garlanda C, Dejana E. Heterogeneity of endothelial cells. Specific markers. *Arterioscler Thromb Vasc Biol* 1997; 17: 1193-1202)

C) Generation and phenotypic characterization of gene modified mice (1): Hirsch E, et al. Central role for G protein-coupled phosphoinositide 3-kinase gamma in inflammation. *Science* 2000; 287: 1049-1053). 2): Garlanda C, et al. Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response. *Nature* 2002; 420: 182-186. 3) Garlanda C, et al. Intestinal inflammation in mice deficient in Tir8, an inhibitory member of the IL-1 receptor family. *Proc Natl Acad Sci USA* 2004; 101: 3522-3526)

D) Identification of functional activities of novel innate immune molecules in innate resistance to infections, in inflammation and in inflammation associated cancer. (1): Garlanda C, Mantovani A. Cytokines and adhesion molecules in mesothelial cell pathophysiology. *Sepsis* 1999; 3: 271-283. 2): Garlanda C., Bottazzi B., Bastone A., Mantovani A. Pentraxins at the crossroads between innate immunity, inflammation, matrix deposition, and female fertility. *Ann. Rev. Immunol.* 2005, 23: 337-366. 3) Bottazzi B, Garlanda C, Salvatori G, Jeannin P, Manfredi A, Mantovani A. Pentraxins as a key component of innate immunity. *Curr Opin Immunol.* 2006 Feb;18(1):10-5. 4): Garlanda C, et al. Increased susceptibility to colitis-associated cancer of mice lacking TIR8, an inhibitory member of the interleukin-1 receptor family. *Cancer Res.* 2007 Jul 1;67(13):6017-21. 5) Garlanda C., et al. TIR8/SIGIRR: an IL-1R/TLR family member with regulatory functions on inflammation and T cell polarization. *Trends in Immunology* 2009 Sep;30(9):439-46. 6) Bottazzi B, Doni A, Garlanda C, Mantovani A. An Integrated View of Humoral Innate Immunity: Pentraxins as a Paradigm. *Annu Rev Immunol.* 2010 Apr 23;28:157-83. 7) Deban L., et al. Binding to P-selectin and regulation of leukocyte recruitment by the long pentraxin PTX3. *Nature Immunology.* 2010 Apr;11(4):328-34. 8) Moalli F. et al. Role of complement and Fcγ receptors in the protective activity of the long pentraxin PTX3 against *Aspergillus fumigatus*. *Blood* 2010. Dec 9;116(24):5170-80. 9) Jaillon S, et al. The humoral pattern recognition molecule PTX3 is a key component of innate immunity against urinary tract infection. *Immunity.* 2014 Apr 17;40(4):621-32. 10) Bonavita E, et al. PTX3 is an extrinsic oncosuppressor regulating complement-dependent inflammation in cancer. *Cell.* 2015 Feb 12;160(4):700-14. 11) Doni A, et al. An acidic microenvironment sets the humoral pattern recognition molecule PTX3 in a tissue repair mode. *J Exp Med.* 2015 Jun 1;212(6):905-25. 12) Molgora M, Bonavita E, et al. IL-1R8 is a checkpoint in NK cells regulating anti-tumour and anti-viral activity. *Nature.* 2017 Nov 2;551(7678):110-114.

E) Functional role of inflammatory mediators in fertility (Garlanda C, et al. Inflammatory Reaction and Implantation: the New Entries PTX3 and D6. Placenta. 2008 Oct;29 Suppl B:129-34.)

F) Characterization of the diagnostic potential of PTX3 (Mantovani A, Garlanda C, et al. The long pentraxin PTX3 in vascular pathology. *Vascul Pharmacol.* 2006 Nov;45(5):326-30. 2): Mantovani A, Garlanda C, et al. Pentraxins in Innate Immunity: From C-Reactive Protein to the Long Pentraxin PTX3. *J Clin Immunol.* 2008, 28, 1-13. Brunetta et al. Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19. *Nat Immunol.* 2021)

Ten selected publications

1) Hirsch E, Katanaev V L, Garlanda C, Azzolino O, Pirola L, Silengo L, Sozzani S, Mantovani A, Altruda F, Wymann M P
Central role for G protein-coupled phosphoinositide 3-kinase gamma in inflammation
Science 2000; 287: 1049-1053
Citations: 924. IF: 23.9

2) Garlanda C, Hirsch E, Bozza S, Salustri A, De Acetis M, Nota R, Maccagno A, Riva F, Bottazzi B, Peri G, Doni A, Vago L, Botto M, De Santis R, Carminati P, Siracusa G, Altruda F, Vecchi A, Romani L, Mantovani A
Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response
Nature 2002; 420: 182-186
Citations: 400. IF: 30.4

3) Garlanda C., Bottazzi B., Bastone A., Mantovani A. Pentraxins at the crossroads between innate immunity, inflammation, matrix deposition, and female fertility.
Ann. Rev. Immunol. 2005, 23: 337-366.
Citations: 484. IF: 47.4

4) Garlanda C, Riva F, Veliz T, Polentarutti N, Pasqualini F, Radaelli E, Sironi M, Nebuloni M, Zorini EO, Scanziani E, Mantovani A. Increased susceptibility to colitis-associated cancer of mice lacking TIR8, an inhibitory member of the interleukin-1 receptor family.
Cancer Res. 2007 Jul 1;67(13):6017-21.
Citations: 89. IF: 7.7

5) Moalli F., Doni A., Deban L., Zelante T., Zagarella S., Bottazzi B., Romani L, Mantovani A., and Garlanda C. Role of complement and Fcγ receptors in the protective activity of the long pentraxin PTX3 against *Aspergillus fumigatus*.
Blood. 2010 Dec 9;116(24):5170-80.
Citations: 82. IF: 10.6

6) Garlanda C, Dinarello CA, Mantovani A. The interleukin-1 family: back to the future.
Immunity. 2013 Dec 12;39(6):1003-18.
Citations: 323. IF: 19.7

7) Jaillon S, Moalli F, Ragnarsdottir B, Bonavita E, Riva F, Barbati E, Nebuloni M, Cvetko Krajcinovic L, Markotic A, Valentino S, Doni A, Tartari S, Graziani G, Montanelli A, Delneste Y, Svanborg C, Garlanda C, Mantovani A. The humoral pattern recognition molecule PTX3 is a key component of innate immunity against urinary tract infection.
Immunity. 2014 Apr 17;40(4):621-32.
Citations: 33. IF: 21.6

8) Bonavita E, Gentile S, Rubino M, Maina V, Papait R, Kunderfranco P, Greco C, Feruglio F, Molgora M, Laface I, Tartari S, Doni A, Pasqualini F, Barbati E, Basso G, Galdiero MR, Nebuloni M, Roncalli M, Colombo P, Laghi L, Lambris JD, Jaillon S, Garlanda C*, Mantovani A*. PTX3 is an extrinsic oncosuppressor regulating complement-dependent inflammation in cancer.

Cell. 2015 Feb 12;160(4):700-14. doi: 10.1016/j.cell.2015.01.004.*Cocorresponding authors.

Citations: 49. IF: 28.7

9) Molgora M, Bonavita E, Ponzetta A, Riva F, Barbagallo M, Jaillon S, Popović B, Bernardini G, Magrini E, Gianni F, Zelenay S, Jonjić S, Santoni A, Garlanda C, Mantovani A. IL-1R8 is a checkpoint in NK cells regulating anti-tumour and anti-viral activity. Nature. 2017 Nov 2;551(7678):110-114. doi: 10.1038/nature24293.

10) Mantovani A. and Garlanda C. Humoral Innate Immunity and Acute Phase Proteins. N Engl J Med. 2023 Feb 2;388(5):439-452. doi: 10.1056/NEJMra2206346.

Selected teaching activity

1) Istitut Pasteur, Fundamental Immunology Course 2002-2003 and 2003-2004, "Recognition and signaling molecules in innate immunity", Paris, France, January 2003 and January 2004. In English.

2) Università degli Studi di Milano, contribution to the course of Biotechnology in the academic years 2007-2008 and 2008-2009. "Genetically modified animals and experimental models of immunopatology".

3) Università di Milano Bicocca, Dipartimento di Biotecnologie e Bioscienze, contribution to the course of Biotechnology (Biology and Immunology) in the years 2007-2008, and 2011-2012. "Soluble mediators of Innate Immunity". SSD: MED/04-MED/05.

4) Università di Roma La Sapienza, Istituto di Biologia e Patologia Molecolare, 11 July 2012 Course on "Role of the humoral pattern recognition molecule PTX3 in innate immune responses". SSD: MED/04, MED/05.

5) Università di Milano Bicocca, Department of Health Sciences, Scuola di specializzazione di Anestesia rianimazione e terapia intensiva, 4 April 2013. "Soluble receptors of Innate Immunity: Role and therapeutic potential of the long pentraxin PTX3 in infections". SSD: MED/04, MED/05.

6) Università degli Studi di Milano, International Medical School: contribution to the course "General pathology, Mechanisms of Diseases" in the academic years 2011/2012 and 2012/2013. SSD: MED/04, MED/05. In English.

7) Università degli Studi Milano Bicocca, PhD program on Translational and Molecular Medicine (DIMET), Milan, 13 November 2013 "Humoral pattern recognition molecules of innate immunity". In English.

8) Università La Sapienza di Roma, Scuola di Dottorato di Immunologia, Ematologia e Reumatologia, Roma, 28 March 2014. "Role of the long pentraxin PTX3 in innate immunity: from resistance to infections to regulation of cancer related inflammation". SSD: MED/04, MED/05.

9) Corso di Alta Formazione in Aspetti Molecolari di Prevenzione e Salute- Istituto Superiore di Sanità- Roma 15 April 2016-"Inflammation: physiology and pathology ". SSD: MED/04-MED/05.

10) Corso "Aggiornamenti di medicina molecolare in patologia clinica"- Sapienza, Università di Roma, Dipartimento di Medicina Sperimentale. Roma, 6 April 2016. "The long pentrazin PTX3: role in pathogenesis and potential biomarker in inflammatory diseases". SSD: MED/05.

- 11) International Summer Course: Intrinsic and Innate Immunity to Pathogens. 23-25 June 2016, Novareello, Italy. "The long pentraxin PTX3 as a paradigm of humoral innate immunity: microbe recognition, regulation of inflammation and tissue remodeling." In English.
- 12) Since 2015: Adjunct Professor of Medical Microbiology (6 CFU) in the course Mechanism of Diseases- II Year, Humanitas Medical School of Humanitas University. In English.
- 13) Since May 2017: Associate Professor of Clinical Pathology, Humanitas University, Pieve Emanuele, 20090.
- 14) Institute Pasteur Course: Innate immunity and infectious diseases. June 25, 2018, May 27, 2019, Paris, France.
- 15) ACCADEMIA DEI MECCANISMI MOLECOLARI (CNR, BOLOGNA) 2019, 2021, 2022.

Faculty Member

Since 2006, PhD Program in Experimental Pathology and Neuropathology, Università degli Studi di Milano.

Since 2011, Open University PhD Program, Milton Keynes, UK.

Since 2015, Humanitas University PhD Program, Rozzano, Italy.

Supervision: 20 PhD students, 14 pre-graduate students.

Research support

- 1) Italian Ministry of Instruction, University, Research. FIRB Progetti Negoziati FIRB Progetti Negoziati 2001: Geni murini, fenotipi e malattie umane - MousePHD- Head of Unit.
- 2) Telethon 2005- The long pentraxin PTX3 in host resistance to infection and as a candidate diagnostic and therapeutic agent in cystic fibrosis- Role: PI collaborator. **Activity: development of PTX3 as diagnostic and prognostic biochemical and genetic marker in cystic fibrosis.**
- 3) European Commission-FP6-The Control of Embryo Implantation: Studies of Gene Expression, Protein Profiles / Functions at the Utero Embryonic Level: Cellular and Molecular Developmental Events at the Feto Maternal Interface (EMBIC)- Head of Unit.
- 4) Italian Ministry of Health -Ricerca finalizzata 2006- Ontogenesi dello Sviluppo del Cervello e delle ARterie nell'uomo: studio in epoca periconcezionale, fetale e neonatale. Role: Head of Unit.
- 5) Italian Ministry of Health - Ricerca finalizzata 2007- Role of new inflammatory molecules in pregnancy pathologies and in maternal-neonatal health. Role: Head of Unit.
- 6) Italian Ministry of Health -Ricerca Finalizzata 2008-Diagnostic and prognostic significance of PTX3 levels in pediatric and adult patients with acute leukemias- Role: Principal Investigator. **Activity: development of PTX3 as diagnostic and prognostic biochemical and genetic marker in human hematological neoplasia.**
- 7) Italian Ministry of Health -Ricerca finalizzata 2009-Cells and molecules of the innate immunity: potential molecular targets in diagnosis and therapy in cancer- Role: PI collaborator.
- 8) Italian Ministry of Health - Ricerca finalizzata 2009- "Prevention of anthracycline-induced cardiotoxicity: a multicentre randomized trial". Head of Unit. **Activity: development of PTX3 as diagnostic and prognostic biochemical marker of anthracycline-induced cardiotoxicity.**
- 9) Italian Ministry of Health - Ricerca indipendente 2010- Characterization of the long pentraxin PTX3 as biomarker in cardiovascular diseases. Role: Head of Unit. **Activity: development of**

PTX3 as diagnostic and prognostic biochemical and genetic marker in cardiovascular diseases.

10-11) Fondazione Ricerca Fibrosi Cistica 2008 and 2010-Infections in cystic fibrosis: role of the long pentraxin PTX3 in host resistance. Role: Principal Investigator.

12) Fondazione Ricerca Fibrosi Cistica-2010-Inflammasome activation and IL-1 β mediated inflammation triggered by *Pseudomonas aeruginosa*: a rationale for novel therapeutic approaches in cystic fibrosis patients. Role: Head of Unit.

13) Associazione Italiana Ricerca sul Cancro-2009-Molecular pathways in cancer-related inflammation. Role: PI collaborator.

14) Cariplo-2010-The role of Toll-like receptors in leukemogenesis. Role: Head of Unit.

15) Associazione Italiana Ricerca sul Cancro-5x1000-2010-Innate immunity in cancer (IIC). molecular targeting and cellular therapy. Role: PI collaborator. **Activity: development of PTX3 as diagnostic and prognostic biochemical and genetic marker in human hematological neoplasia.**

16) Italian Ministry of Health -Ricerca Finalizzata 2013- The long pentraxin PTX3 in cancer: a novel player in cancer-related inflammation- Role: Principal Investigator.

17) European Commission- Horizon 2020- Efficacy and safety of low-dose IL-2 (ld-IL-2) as a Treg enhancer for anti-neuroinflammatory therapy in newly diagnosed Amyotrophic Lateral Sclerosis (ALS) patients (MIROCALS)- Role: Head of Unit. **Activity: workpackage leader, development of biomarkers of immunological response to therapy as end-point of the clinical trial.**

18) Fondazione Ricerca Fibrosi Cistica-2014- Infections in cystic fibrosis patients: effect of PTX3 genetic variants on endogenous PTX3 production and function – Role: Principal Investigator. **Activity: development of PTX3 as biochemical and genetic biomarker of opportunistic infections in cystic fibrosis.**

19) Associazione Italiana Ricerca sul Cancro-2016 - Molecular pathways linking inflammation and cancer. Role: PI collaborator.

20) Horizon 2020-H2020-MSCA-ITN-2015. European SepsisAcademy - ESA –ITN. Role: Unit head. **Activity: development of PTX3 and IL-1R8 as players and diagnostic and prognostic markers in sepsis.**

21) Associazione Italiana per la Ricerca sul Cancro-5x1000-2018. Metastatic disease: the key unmet need in oncology. Role: PI collaborator.

22) Associazione Italiana per la Ricerca sul Cancro - Progetto IG 2018 Id.21714. Dissecting the Complement as a novel component of cancer-related inflammation. Role: PI.

23) Ministero dell'Istruzione dell'Università e della Ricerca- PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2017 Prot. 20174T7NXL- Cell plasticity of tumor-associated immune infiltrate: molecular mechanisms and therapeutic options. Role: Head of Unit.

- 24) European Commission, Marie Skłodowska-Curie Innovative Training Network (ITN), European Joint Doctorate “Complement Regulation and Variations in Oppportunistic infectionS, CORVOS”. 2019. Role: Unit head.
- 25) Dolce & Gabbana fashion house “Coronavirus infection and humoral innate immunity”. 2020. Role: Co-PI
- 26) Ministero della Salute, BANDO RICERCA COVID-19, 2021. Innate and adaptive immunity in COVID-19: from mechanisms to patients Role: PI collaborator.
- 27) Ministero della Salute, Research project on CAR T cells for hematological malignancies and solid tumors. Role: collaborator
- 28) PNRR-partenariato esteso, 13. Emerging infectious diseases. 2023. Titolo: INF-ACT: One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases. Role: WP Co-Leader
- 29) PNRR- centro nazionale, 3. National Center for Gene Therapy and Drugs based on RNA Technology. 2023. Role: partner
- 30) PNRR- Ministero della Salute. 2023. PNRR-MAD-2022-12375947. Topic: Malattie croniche non trasmissibili, ad alto impatto sui sistemi sanitari e socio-assistenziali: eziopatogenesi e meccanismi di malattia. Titolo: Dissecting emerging original immune circuits in gastrointestinal malignancies to foster immune-based strategies. Role: PI
- 31) PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2022-Prot. 2022NKEAT. Title: Characterization and development of innovative leukocyte regulatory mechanisms in the tumor microenvironment. 2023-2024. Role: PI

Reviewer ad hoc for the following journals:

Blood, European Journal Immunology, Journal Leukocyte Biology, Microbes Infections, Arteriosclerosis Thrombosis and Vascular Biology, Cancer Research, Clinical Chemistry and Laboratory Medicine, Faseb Journal, Intensive Care Medicine, Journal Rheumatology, International Journal Vascular Medicine, Journal Cell Biochemistry, Leukemia Research, Placenta, PLOSone, International Journal Andrology, Frontiers in Immunology, Journal Neuroscience, Scientific Reports, Cancer Cell, Journal Clinical Investigation, Oncotarget, Cell Communication and Signaling, Clinical Cancer Res, Journal Experimental Medicine, Seminars Immunology, Biological Chemistry, Oncogene, Cancer Immunology Research, Nature communications, Journal Neurological Sciences, EMBO Molecular Medicine, Nature Cancer, Nature Immunology, Nature Reviews Clinical Oncology, Immunity, Cellular Molecular Immunology, Molecular Oncology, Cell Report, Leukemia, European Journal Immunology, Neoplasia, Current Opinion Pharmacology, Nature, Lancet Resp Dis.

Editorial board of Frontiers in Immunology.

Reviewer ad hoc for the following funding agencies:

Agence Nationale de la Recherche, 2015, 2018, 2021, 2022
 European Research Council, 2012, 2017, 2019, 2020, 2022
 Swiss National Science Foundation, 2014
 Fight for sight, 2017
 Fondation pour la Recherche Médicale, 2016

Czech Science Foundation, 2015

Israel Science Foundation, 2015, 2020

Netherland Organisation for Scientific Research: Innovational Research Incentive Scheme -Vici-2009

MULTIPLE SCLEROSIS AUSTRALIA, 2009

Patent

1) European Patent N. 06829691.2, USA Dom. N. 159724, Australia - Dom. N. 2006331093: "Diagnostic test for inflammatory endothelial dysfunctions in pregnancies" (2006)

Inventors: Garlanda C., Mantovani A, Doni A., Cetin I.

2) PCT/EP2018/079188, "NK OR T CELLS AND USES THEREOF": Inventors: Molgora M., Garlanda C., Bonavita E., Mantovani A.

3) EP20305241, "Low Dose Human Interleukin-2 for the Treatment of Amyotrophic Lateral Sclerosis".

4) EP20182181.6, "PTX3 AS PROGNOSTIC MARKER IN COVID-19".

5) 102021000002738. "Molecules for use in the treatment and/or prevention of COVID-19.

6) EP21214373.9, "Molecules for use in the treatment and/or prevention of COVID-19".

Third Mission

- From 2017, once or twice per year: lessons in high schools, or to the general public, concerning "The Immune System and Vaccines: relevance for the global health".

- From 2018, organization and contribution as speaker of UNIVAX DAY, a national information yearly event for high school students occurring the same day in several Italian universities, promoted by the SIICA (Società Italiana di Immunologia, Immunologia Clinica e Allergologia), with the aim to increase knowledge about the role of vaccine in human health.

- December 2021. Collaboration with students of the "Segretariato Italiano Studenti in Medicina (SISM)" to the organization of the seminar by Dr. Alessandra Kustermann on "Semeiotic of violence on woman".

- October 2021. Organization of the event "Health in Prison", as part of the agreement signed between some Milan universities, including HUNIMED, and LIBERA. The goal is to increase students' awareness of issues such as the fight against corruption and mafias, thus promoting the culture of legality. About 400 participants.

Scientific societies (selected)

May 2014-June 2017, member of the Società Italiana di Immunologia, Immunologia Clinica e Allergologia (SIICA) Executive Committee.

Selected lectures as invited speaker or chairperson

1) Congress of the Società italiana di Reumatologia, 15 May 2002, Rome, Italy. "IL-1 system in inflammation".

2) Congress: Patologia immunomediata: dalle molecole alla clinica, University of Genova, Italy, 13 November 2003. "Citochine infiammatorie e pentrassine: dalle molecole alla clinica".

3) 7° Congress FISV (Federazione Italiana Scienze della Vita), Riva del Garda 22-25 Sept 2005. "Soluble receptors of innate immunity".

4) 38° Congresso Nazionale Società Italiana Biochimica Clinica, Torino, Italy. 21-9-06. "La pentrassina lunga PTX3: nuovo diagnostico in patologia infiammatoria e infettiva".

5) Recent advances in Interleukin-1 Biology: 2-4 March 2007. Manchester, UK. "Negative regulation of the IL-1/TLR system: from a decoy receptor to TIR8/SIGIRR".

- 6) Società Italiana Ematologia Sperimentale- Meeting: INFEZIONI NEL PAZIENTE IMMUNOCOMPROMESSO: dall'immunologia alla clinica. Florence, June 5th, 2008. "Pentraxine: immunità innata ed infezioni".
- 7) SEPSIS 2008. Granada, Spain 19-22 November 2008. "The role of acute phase reactants in sepsis".
- 8) XXIV Congresso Nazionale Società Italiana per lo Studio dell'Aterosclerosi (SISA), Roma 24-27 novembre 2010- "I meccanismi immunitari della aterogenesi".
- 9) V Congresso Nazionale Società Italiana di Terapia Clinica e Sperimentale (SITECS) Napoli, 20 - 22 gennaio 2011. "Immunità ed aterosclerosi".
- 10) Chairperson at Congresso Nazionale Società Italiana di Immunologia SIICA, Riccione, Italia (28 settembre-1 ottobre 2011). "Pentraxin 3 in innate immune recognition".
- 11) 2nd Biomarkers Europe Summit, Sep 05-07, 2012, Zurich, Switzerland, CHE. "Inflammatory Biomarkers: The long pentraxin PTX3 in vascular pathology", invited speaker.
- 12) Chairperson at International Congress of Immunology ICI2013, Milan, 22nd -27th August 2013: "The long pentraxin PTX3: a paradigm for humoral pattern recognition molecules".
- 13) 40th Annual meeting of the European Society for Blood and Marrow Transplantation, Milan 30 March -2 April 2014, "Pentraxin-3 and GVHD".
- 14) 29th Annual Conference of the European Macrophage and Dendritic cell Society (EMDS), Krakow 11-13 September 2015. "The interplay between phagocytes and humoral innate immunity".
- 15) IV Workshop Associazione Italiana Ematologia Oncologia Pediatrica (AIEOP), Napoli 14-15 Settembre 2015." Immunità innata alle infezioni batteriche".
- 16) "Cancer Bio-Immunotherapy in Siena - XIII Network Italiano per la Bioterapia dei Tumori (NIBIT) Meeting". Siena (ITALY) October 8 - 10, 2015. "The humoral pattern recognition molecule PTX3 acts as an extrinsic onco-suppressor by regulating complement-dependent tumor-promoting inflammation".
- 17) X National Congress of the Italian Society of Immunology, Clinical Immunology and Allergology. Abano Terme, 25-28 May 2016.- The long pentraxin PTX3 as a paradigm of humoral innate immunity: from microbe recognition and regulation of inflammation to tissue remodelling.
- 18) 9th Complement Therapeutics meeting- Rhodes, Greece, June 28-July 3 2016. "Role of Complement in murine cancer development and its translational relevance".
- 19) Bi-national Italian-Israeli Workshop: Advances in Immunopharmacological Therapy For Cancer and Allergic Diseases, November 27-28, 2017, Jerusalem." IL-1R8 Is a Negative Regulator of Inflammation and a Checkpoint in NK Cells".
- 20) XV FISV Congress. 18-21 September, 2018, Rome, Italy.
- 21) Allergy meets Infection – 2nd international Symposium Sept 26-28, 2018, Lübeck, Germany. "Regulation of humoral innate immune responses and inflammation".
- 22) SALZBURG BREAST CANCER TALK - 2019: MASTERING TRANSLATIONAL IMMUNO-ONCOLOGY, Arbeitsgemeinschaft Medikamentöse Tumorthherapie gemeinnützige GmbH (AGMT), 01.03.2019.
- 23) 12th International Conference on Complement Therapeutics to be held at the Sheraton Hotel and Conference Center on Rhodes, Greece, from June 12-17, 2019. "Pro-tumoral role of Complement activation in murine sarcoma models", invited speaker.
- 24) ESH International Conference. IMMUNE AND CELLULAR THERAPIES: Focus on Immune Based Therapeutic concepts, September 20-22, 2019 – Mandelieu (France). "IL-1R8, a checkpoint molecule in NK cell-mediated anti-tumoral and anti-viral activity".
- 25) 17th International Congress of Immunology (17th ICI, IUIS2019), October 19-23, 2019, Beijing, China. "Humoral innate immunity in cancer-related inflammation", invited speaker.
- 26) ICAR 2022 - Italian Conference on AIDS and Antiviral Research, Bergamo, 14-16 giugno 2022. "Innate immunity and COVID-19", Keynote Lecture.
- 27) 11th Meeting on Complement-related diseases, June 1st, 2022, Helsinki, Finland. "Complement and cancer", invited speaker.

- 28) 18th European Meeting on Complement in Human Disease, Bern, CH, August 25, 2022. “Recognition and inhibition of SARS-CoV-2 by humoral innate immunity pattern recognition molecules”. Oral presentation.
- 29) British Society for Immunology Congress 2022, December 5, 2022, Liverpool, UK. “Recognition and inhibition of SARS-CoV-2 by humoral innate immunity pattern recognition molecules”, invited speaker.
- 30) HIGHLIGHTS IN IMMUNOLOGY. CHUV – LAUSANNE / APRIL 19th-20th, 2023. “Innate Immunity”, invited speaker.

Complete list of scientific publications

- 1) Vecchi A, Garlanda C, Lampugnani M G, Resnati M, Matteucci C, Stoppacciaro A, Schnurch H, Risau W, Ruco L, Mantovani A, Dejana E
Monoclonal antibodies specific for endothelial cells of mouse blood vessels. Their application in the identification of adult and embryonic endothelium
Eur J Cell Biol 1994; 63: 247-254
- 2) Garlanda C, Parravicini C, Sironi M, De Rossi M, Wainstok De Calmanovici R, Carozzi F, Bussolino F, Colotta F, Mantovani A, Vecchi A
Progressive growth in immunodeficient mice and host cell recruitment by mouse endothelial cells transformed by polyoma middle-sized T antigen: Implications for pathogenesis.
Proc Natl Acad Sci USA 1994; 91: 7291-7295
- 3) Dong Q G, Graziani A, Garlanda C, Wainstok De Calmanovici R, Arese M, Soldi R, Vecchi A, Mantovani A, Bussolino F
Anti-tumor activity of cytokines against opportunistic vascular tumors in mice
Int J Cancer 1996; 65: 700-708
IF: 3.534
- 4) Dong Q G, Bernasconi S, Lostaglio S, De Calmanovici R W, Martin Padura I, Breviaro F, Garlanda C, Ramponi S, Mantovani A, Vecchi A
A general strategy for isolation of endothelial cells from murine tissues: Characterization of two endothelial cell lines from the murine lung and subcutaneous sponge implants
Arterioscler Thromb Vasc Biol 1997; 17: 1599-1604
IF: 5.317
- 5) Garlanda C, Berthier R, Garin J, Stoppacciaro A, Ruco L, Vittet D, Gulino D, Matteucci C, Mantovani A, Vecchi A, Dejana E
Characterization of MEC 14.7, a new monoclonal antibody recognizing mouse CD34: A useful reagent for identifying and characterizing blood vessels and hematopoietic precursors
Eur J Cell Biol 1997; 73: 368-377
IF: 2.353
- 6) DeLisser H M, Christofidou-Solomidou M, Strieter R M, Burdick M D, Robinson C S, Wexler R S, Kerr J S, Garlanda C, Merwin J R, Madri J A, Albelda S M
Involvement of endothelial PECAM-1/CD31 in angiogenesis
Am J Pathol 1997; 151: 671-677
IF: 6.501
- 7) Garlanda C, Dejana E
Heterogeneity of endothelial cells. Specific markers
Arterioscler Thromb Vasc Biol 1997; 17: 1193-1202
IF: 5.317
- 8) Kissel K, Hamm S, Schulz M, Vecchi A, Garlanda C, Engelhardt B

- Immunohistochemical localization of the murine transferrin-receptor (TfR) on blood-tissue barriers using a novel anti-TfR monoclonal antibody
Histochem Cell Biol 1998; 110: 63-72
- 9) Fioretti F, Fradelizi D, Stoppacciaro A, Ramponi S, Ruco L, Minty A, Sozzani S, Garlanda C, Vecchi A, Mantovani A
Reduced tumorigenicity and augmented leukocyte infiltration after monocyte chemotactic protein-3 (MCP-3) gene transfer: Perivascular accumulation of dendritic cells in peritumoral tissue and neutrophil recruitment within the tumor
J Immunol 1998; 161: 342-346
IF: 7.166
- 10) Mantovani A, Garlanda C, Introna M, Vecchi A
Regulation of endothelial cell function by pro- and anti-inflammatory cytokines
Transplant Proc 1998; 30: 4239-4243
IF: 0.74
- 11) Garlanda C, Mantovani A
Cytokines and adhesion molecules in mesothelial cell pathophysiology
Sepsis 1999; 3: 271-283
- 12) Zhou Z, Christofidou-Solomidou M, Garlanda C, DeLisser H M
Antibody against murine PECAM-1 inhibits tumor angiogenesis in mice
Angiogenesis 1999; 3: 181-188
- 13) Rovere P, Peri G, Fazzini F, Bottazzi B, Doni A, Bondanza A, Zimmermann V S, Garlanda C, Fascio U, Sabbadini M G, Rugarli R, Mantovani A, Manfredi A A
The long pentraxin PTX3 binds to apoptotic cells and regulates their clearance by antigen-presenting dendritic cells
Blood 2000; 96: 4300-4306
IF: 8.977
- 14) Hirsch E, Katanaev V L, Garlanda C, Azzolino O, Pirola L, Silengo L, Sozzani S, Mantovani A, Altruda F, Wymann M P
Central role for G protein-coupled phosphoinositide 3-kinase gamma in inflammation
Science 2000; 287: 1049-1053
IF: 23.872
- 15) Ravizza T, Moneta D, Bottazzi B, Peri G, Garlanda C, Hirsch E, Richards G, Mantovani A, Vezzani A
Dynamic induction of the long pentraxin PTX3 in the CNS after limbic seizures: Evidence for a protective role in seizure-induced neurodegeneration
Neuroscience 2001; 105: 43-53
IF: 3.219
- 16) Rolph M S, Zimmer S, Bottazzi B, Garlanda C, Mantovani A, Hansson G K
Production of the long pentraxin PTX3 in advanced atherosclerotic plaques
Arterioscler Thromb Vasc Biol 2002; 22: e10-e14
IF: 6.35
- 17) Garlanda C, Hirsch E, Bozza S, Salustri A, De Acetis M, Nota R, Maccagno A, Riva F, Bottazzi B, Peri G, Doni A, Vago L, Botto M, De Santis R, Carminati P, Siracusa G, Altruda F, Vecchi A, Romani L, Mantovani A
Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response
Nature 2002; 420: 182-186
IF: 30.432
- 18) Mantovani A, Garlanda C, Bottazzi B
Pentraxin 3, a non-redundant soluble pattern recognition receptor involved in innate immunity
Vaccine 2003; 21: S2/43-S2/47
IF: 2.811

- 19) Doni A, Peri G, Chieppa M, Allavena P, Pasqualini F, Vago L, Romani L, Garlanda C, Mantovani A
Production of the soluble pattern recognition receptor PTX3 by myeloid, but not plasmacytoid, dendritic cells
Eur J Immunol 2003; 33: 2886-2893
IF: 4.832
- 20) Salustri A^o, Garlanda C^o, Hirsch E^o, De Acetis M, Maccagno A, Bottazzi B, Doni A, Bastone A, Mantovani G, Beck-Peccoz P, Salvatori G, Mahoney D J, Day A J, Siracusa G, Romani L, Mantovani A
PTX3 plays a key role in the organization of the cumulus oophorus extracellular matrix and in in vivo fertilization
Development 2004; 131: 1577-1586. ^o Equally contributed.
IF:7.88
- 21) Garlanda C, Riva F, Polentarutti N, Buracchi C, Sironi M, De Bortoli M, Muzio M, Bergottini R, Scanziani E, Vecchi A, Hirsch A, Mantovani A
Intestinal inflammation in mice deficient in Tir8, an inhibitory member of the IL-1 receptor family
Proc Natl Acad Sci USA 2004; 101: 3522-3526
IF:10.7
- 22) Mantovani A, Locati M, Polentarutti N, Vecchi A, Garlanda C. Extracellular and intracellular decoys in the tuning of inflammatory cytokines and Toll-like receptors: the new entry TIR8/SIGIRR.
J Leukoc Biol. 2004, 75: 738-742.
IF: 4.348
- 23) Prete AD, Vermi W, Dander E, Otero K, Barberis L, Luini W, Bernasconi S, Sironi M, Santoro A, Garlanda C, Facchetti F, Wymann MP, Vecchi A, Hirsch E, Mantovani A, Sozzani S.
Defective dendritic cell migration and activation of adaptive immunity in PI3Kgamma-deficient mice.
EMBO J. 2004 Aug 19.
IF:10.69
- 24) Garlanda C., Bottazzi B., Bastone A., Mantovani A. Pentraxins at the crossroads between innate immunity, inflammation, matrix deposition, and female fertility. Ann. Rev. Immunol. 2005, 23: 337-366.
IF:54.45
- 25) Jeannin P, Bottazzi B, Sironi M, Doni A, Rusnati M, Presta M, Maina V, Magistrelli G, Haeuw JF, Hoeffel G, Thieblemont N, Corvaia N, Garlanda C, Delneste Y, Mantovani A.
Complexity and complementarity of outer membrane protein A recognition by cellular and humoral innate immunity receptors.
Immunity. 2005 May;22(5):551-60.
IF:17.46
- 26) Bottazzi B, Garlanda C, Salvatori G, Jeannin P, Manfredi A, Mantovani A.
Pentraxins as a key component of innate immunity.
Curr Opin Immunol. 2006 Feb;18(1):10-5.
- 27) Doni A, Michela M, Bottazzi B, Peri G, Valentino S, Polentarutti N, Garlanda C, Mantovani A.
Regulation of PTX3, a key component of humoral innate immunity in human dendritic cells: stimulation by IL-10 and inhibition by IFN- γ
J Leukoc Biol. 2006. Apr;79(4):797-802.
IF: 4.6
- 28) Bottazzi B, Bastone A, Doni A, Garlanda C, Valentino S, Deban L, Maina V, Cotena A, Moalli F, Vago L, Salustri A, Romani L, Mantovani A.
The long pentraxin PTX3 as a link among innate immunity, inflammation, and female fertility.
J Leukoc Biol. 2006, May;79(5):909-12.

IF: 4.6

- 29) Cetin I, Cozzi V, Pasqualini F, Nebuloni M, Garlanda C, Vago L, Pardi G, Mantovani A. Elevated maternal levels of the long pentraxin 3 (PTX3) in preeclampsia and intrauterine growth restriction. *Am J Obstet Gynecol*. 2006 May;194(5):1347-53.
- 30) Paffoni A, Ragni G, Doni A, Somigliana E, Pasqualini F, Restelli L, Pardi G, Mantovani A, Garlanda C. Follicular fluid levels of the long pentraxin PTX3. *J Soc Gynecol Investig*. 2006 Apr;13(3):226-31.
- 31) Mantovani A, Garlanda C. Inflammation and multiple myeloma: the Toll connection. *Leukemia*. 2006 Jun;20(6):937-8.
- 32) Inforzato A, Peri G, Doni A, Garlanda C, Mantovani A, Bastone A, Carpentieri A, Amoresano A, Pucci P, Roos A, Daha MR, Vincenti S, Gallo G, Carminati P, De Santis R, Salvatori G. Structure and function of the long pentraxin PTX3 glycosidic moiety: fine-tuning of the interaction with C1q and complement activation. *Biochemistry*. 2006 Sep 26;45(38):11540-51.
- 33) Mantovani A, Garlanda C, Bottazzi B, Peri G, Doni A, Martinez de la Torre Y, Latini R. The long pentraxin PTX3 in vascular pathology. *Vascul Pharmacol*. 2006 Nov;45(5):326-30.
- 34) Bozza S, Bistoni F, Gaziano R, Pitzurra L, Zelante T, Bonifazi P, Perruccio K, Bellocchio S, Neri M, Iorio AM, Salvatori G, De Santis R, Calvitti M, Doni A, Garlanda C, Mantovani A, Romani L. Pentraxin 3 protects from MCMV infection and reactivation through TLR sensing pathways leading to IRF3 activation. *Blood*. 2006 Nov 15;108(10):3387-96.
- 35) Garlanda C, Bottazzi B, Salvatori G, De Santis R, Cotena A, Deban L, Maina V, Moalli F, Doni A, Veliz-Rodriguez T, Mantovani A. Pentraxins in innate immunity and inflammation. *Novartis Found Symp*. 2006;279:80-6; discussion 86-91, 216-9.
- 36) S. Jaillon, G. Peri, Y. Delneste, I. Frémaux, A. Doni, F. Moalli, C. Garlanda, L. Romani, H. Gascan, S. Bellocchio, S. Bozza, M.A. Cassatella, P. Jeannin, A. Mantovani. The humoral pattern recognition receptor PTX3 is stored in neutrophil granules and localizes in extracellular traps. *J Exp Med*. 2007 Apr 16;204(4):793-804.
- 38) Garlanda C, Riva F, Veliz T, Polentarutti N, Pasqualini F, Radaelli E, Sironi M, Nebuloni M, Zorini EO, Scanziani E, Mantovani A. Increased susceptibility to colitis-associated cancer of mice lacking TIR8, an inhibitory member of the interleukin-1 receptor family. *Cancer Res*. 2007 Jul 1;67(13):6017-21.
- 39) Lech M, Garlanda C, Mantovani A, Kirschning CJ, Schlondorff D, Anders HJ. Different roles of TIR8/SigIRR on toll-like receptor signaling in intrarenal antigen-presenting cells and tubular epithelial cells. *Kidney Int*. 2007 Jul;72(2):182-92.
- 40) Garlanda C, Di Liberto D, Vecchi A, La Manna MP, Buracchi C, Caccamo N, Salerno A, Dieli F, Mantovani A. Damping excessive inflammation and tissue damage in Mycobacterium tuberculosis infection by Toll IL-1 receptor 8/single Ig IL-1-related receptor, a negative regulator of IL-1/TLR signaling. *J Immunol*. 2007 Sep 1;179(5):3119-25.
- 41) Mantovani A, Garlanda C, Doni A, Bottazzi B. Pentraxins in Innate Immunity: From C-Reactive Protein to the Long Pentraxin PTX3. *J Clin Immunol*. 2008, 28, 1-13.
- 42) Papageorgiou AT, Cetin I, Maina V, Garlanda C, Thilaganathan B. Elevation of Pentraxin (PTX3) levels in the first trimester of pregnancy in women with subsequent pre-eclampsia. *Ultrasound Obstet Gynecol*. 2007 Oct;30(4):460.

- 43) Cotena A, Maina V, Sironi M, Bottazzi B, Jeannin P, Vecchi A, Corvaia N, Daha MR, Mantovani A, Garlanda C. Complement Dependent Amplification of the Innate Response to a Cognate Microbial Ligand by the Long Pentraxin PTX3. *J Immunol.* 2007 Nov 1;179(9):6311-7
- 44) Norata GD, Marchesi P, Pirillo A, Uboldi P, Chiesa G, Maina V, Garlanda C, Mantovani A, Catapano AL. Long Pentraxin 3, a Key Component of Innate Immunity, Is Modulated by High-Density Lipoproteins in Endothelial Cells. *Arterioscler. Thromb. Vasc. Biol.* 2008;28:925-931.
- 45) Doni A, Paffoni A, Nebuloni M, Ragni G, Pasqualini F, Valentino S, Bonetti S, Mantovani A, Somigliana E, Garlanda C. The long pentraxin 3 is a soluble and cell-associated component of the human semen. *Int J Androl.* 2007 Dec 30.
- 46) Popovici RM, Krause MS, Jauckus J, Germeyer A, Brum IS, Garlanda C, Strowitzki T, von Wolff M. The Long Pentraxin PTX3 in Human Endometrium: Regulation by Steroids and Trophoblast Products. *Endocrinology.* 2008 Mar;149(3):1136-43.
- 47) Mantovani A, Garlanda C, Locati M, Rodriguez TV, Feo SG, Savino B, Vecchi A. Regulatory pathways in inflammation. *Autoimmun Rev.* 2007 Nov;7(1):8-11.
- 48) Salio M, Chimenti S, De Angelis N, Molla F, Maina V, Nebuloni M, Pasqualini F, Latini R, Garlanda C, Mantovani A. Cardioprotective function of the long pentraxin PTX3 in acute myocardial infarction. *Circulation.* 2008 Feb 26;117(8):1055-64.
- 49) Bozza S, Zelante T, Moretti S, Bonifazi P, Deluca A, D'Angelo C, Giovannini G, Garlanda C, Boon L, Bistoni F, Puccetti P, Mantovani A, Romani L. Lack of Toll IL-1R8 Exacerbates Th17 Cell Responses in Fungal Infection. *J Immunol.* 2008 Mar 15;180(6):4022-31.
- 50) Costelloe C, Watson M, Murphy A, McQuillan K, Loscher C, Armstrong ME, Garlanda C, Mantovani A, O'Neill LA, Mills KH, Lynch MA. IL-1F5 mediates anti-inflammatory activity in the brain through induction of IL-4 following interaction with SIGIRR/TIR8. *J Neurochem.* 2008 Jun;105(5):1960-9.
- 51) Allavena P, Sica A, Garlanda C, Mantovani A.
The Yin-Yang of tumor-associated macrophages in neoplastic progression and immune surveillance. *Immunol Rev.* 2008 Apr;222:155-61.
- 52) Allavena P, Garlanda C, Borrello MG, Sica A, Mantovani A.
Pathways connecting inflammation and cancer. *Curr Opin Genet Dev.* 2008 Feb;18(1):3-10.
- 53) Lech M, Kulkarni OP, Pfeiffer S, Savarese E, Krug A, Garlanda C, Mantovani A, Anders HJ.
Tir8/Sigirr prevents murine lupus by suppressing the immunostimulatory effects of lupus autoantigens. *J Exp Med.* 2008 Aug 4;205(8):1879-88.
- 54) Garlanda C, Maina V, Martinez de la Torre Y, Nebuloni M, Locati M.
Inflammatory Reaction and Implantation: the New Entries PTX3 and D6. *Placenta.* 2008 Oct;29 Suppl B:129-34.
- 55) Manfredi AA, Rovere-Querini P, Bottazzi B, Garlanda C, Mantovani A.
Pentaxins, humoral innate immunity and tissue injury. *Curr Opin Immunol.* 2008 Oct;20(5):538-44.
- 56) Wan H, van Helden-Meeuwse CG, Garlanda C, Leijten LM, Maina V, Khan NA, Drexhage HA, Mantovani A, Benner R, Versnel MA.
Chorionic gonadotropin up-regulates long pentraxin 3 expression in myeloid cells. *J Leukoc Biol.* 2008 Nov;84(5):1346-52.
- 57) Bottazzi B, Garlanda C, Cotena A, Moalli F, Jaillon S, Deban L, Mantovani A. The long pentraxin PTX3 as a prototypic humoral pattern recognition receptor: interplay with cellular innate immunity. *Immunol Rev.* 2009 Jan;227(1):9-18.
- 58) Souza DG, Amaral FA, Fagundes CT, Coelho FM, Arantes RM, Sousa LP, Matzuk MM, Garlanda C, Mantovani A, Dias AA, Teixeira MM. The long pentraxin PTX3 is crucial for tissue

- inflammation after intestinal ischemia and reperfusion in mice. *Am J Pathol.* 2009 Apr;174(4):1309-18.
- 59) Mantovani A, Sica A, Allavena P, Garlanda C, Locati M. Tumor-associated macrophages and the related myeloid-derived suppressor cells as a paradigm of the diversity of macrophage activation. *Hum Immunol.* 2009 May;70(5):325-30.
- 60) Deban L, Bottazzi B, Garlanda C, de la Torre YM, Mantovani A. Pentraxins: multifunctional proteins at the interface of innate immunity and inflammation. *Biofactors.* 2009 Mar-Apr;35(2):138-45.
- 61) Cetin I, Cozzi V, Papageorghiou AT, Maina V, Montanelli A, Garlanda C, Thilaganathan B. First trimester PTX3 levels in women who subsequently develop preeclampsia and fetal growth restriction. *Acta Obstet Gynecol Scand.* 2009;88(7):846-9.
- 62) Colotta F, Allavena P, Sica A, Garlanda C, Mantovani A. Cancer-related inflammation, the seventh hallmark of cancer: links to genetic instability. *Carcinogenesis.* 2009 Jul;30(7):1073-81. Epub 2009 May 25.
- 63) Wagenaar JF, Goris MG, Gasem MH, Isbandrio B, Moalli F, Mantovani A, Boer KR, Hartskeerl RA, Garlanda C, van Gorp EC. Long pentraxin PTX3 is associated with mortality and disease severity in severe Leptospirosis. *J Infect.* 2009 Jun;58(6):425-32.
- 64) Maina V, Cotena A, Doni A, Nebuloni M, Pasqualini F, Milner CM, Day AJ, Mantovani A, Garlanda C. Coregulation in human leukocytes of the long pentraxin PTX3 and TSG-6. *J Leukoc Biol.* 2009 Jul;86(1):123-32.
- 65) Norata GD, Marchesi P, Pulakazhi Venu VK, Pasqualini F, Anselmo A, Moalli F, Pizzitola I, Garlanda C, Mantovani A, Catapano AL. Deficiency of the long pentraxin PTX3 promotes vascular inflammation and atherosclerosis. *Circulation.* 2009 Aug 25;120(8):699-708.
- 66) Riva F, Polentarutti N, Tribbioli G, Mantovani A, Garlanda C, Turin L. The expression pattern of TIR8 is conserved among vertebrates. *Vet Immunol Immunopathol.* 2009 Sep 15;131(1-2):44-9
- 67) Lech M, Avila-Ferrufino A, Allam R, Segerer S, Khandoga A, Krombach F, Garlanda C, Mantovani A, Anders HJ. Resident dendritic cells prevent postischemic acute renal failure by help of single immunoglobulin interleukin-1 receptor-related protein. *J Immunol* 2009, 2009 Sep 15;183(6):4109-18.
- 68) Garlanda C., Anders HJ, Mantovani A. TIR8/SIGIRR: an IL-1R/TLR family member with regulatory functions on inflammation and T cell polarization. *Trends in Immunology* 2009 Sep;30(9):439-46.
- 69) Noris M, Cassis P, Azzollini N, Cavinato R, Cugini D, Casiraghi F, Aiello S, Solini S, Cassis L, Mister M, Todeschini M, Abbate M, Benigni A, Trionfani P, Tomasoni S, Mele C, Garlanda C, Polentarutti N, Mantovani A, Remuzzi G. The Toll-IL-1R Member Tir8/SIGIRR Negatively Regulates Adaptive Immunity against Kidney Grafts. *J Immunol.* 2009 Oct 1;183(7):4249-60.
- 70) Mantovani A, Garlanda C, Locati M. Macrophage Diversity and Polarization in Atherosclerosis. A Question of Balance. *Arterioscler Thromb Vasc Biol.* 2009 Oct;29(10):1419-23.
- 71) Garlanda C, Maina V, Cotena A, Moalli F. The soluble pattern recognition receptor pentraxin-3 in innate immunity, inflammation and fertility. *J Reprod Immunol.* 2009 Dec;83(1-2):128-33.
- 72) Kim J, Koh JK, Lee EY, Park JA, Kim HA, Lee EB, Garlanda C, Cotena A, Song YW. Serum levels of soluble triggering receptor expressed on myeloid cells-1 (sTREM-1) and pentraxin 3 (PTX3) as markers of infection in febrile patients with systemic lupus erythematosus. *Clin Exp Rheumatol.* 2009 Sep-Oct;27(5):773-8.

- 73) de Kruif MD, Limper M, Sierhuis K, Wagenaar JF, Spek CA, Garlanda C, Cotena A, Mantovani A, Ten Cate H, Reitsma PH, van Gorp EC. PTX3 predicts severe disease in febrile patients at the emergency department. *J Infect.* 2010 Feb;60(2):122-7.
- 74) Bottazzi B, Doni A, Garlanda C, Mantovani A. An Integrated View of Humoral Innate Immunity: Pentraxins as a Paradigm. *Annu Rev Immunol.* 2010 Apr 23;28:157-83.
- 75) Deban L., Castro Russo R., Sironi M., Moalli F., Scanziani M., Zambelli V., Cuccovillo I., Bastone A., Gobbi M., Valentino S., Doni A., Garlanda C., Danese S., salvatori., Sassano M., Evangelista V., Laudanna C., Bottazzi B. and Mantovani A. Binding to P-selectin and regulation of leukocyte recruitment by the long pentraxin PTX3. *Nature Immunology.* 2010 Apr;11(4):328-34
- 76) Solinas G, Marchesi F, Garlanda C, Mantovani A, Allavena P. Inflammation-mediated promotion of invasion and metastasis. *Cancer Metastasis Rev.* 2010 Jun;29(2):243-8.
- 77) Mantovani A, Garlanda C, Allavena P. Molecular pathways and targets in cancer-related inflammation. *Ann Med.* 2010 Apr;42(3):161-70.
- 78) Martinez de la Torre Y, Fabbri M, Jaillon S, Bastone A, Nebuloni M, Vecchi A, Mantovani A, Garlanda C. Evolution of the pentraxin family: the new entry PTX4. *J Immunol.* 2010 May 1;184(9):5055-64. Epub 2010 Mar 31.
- 79) Nebuloni M, Pasqualini F, Zerbi P, Lauri E, Mantovani A, Vago L, Garlanda C. PTX3 expression in the heart tissues of patients with myocardial infarction and infectious myocarditis. *Cardiovasc Pathol.* 2011 Jan-Feb;20(1):e27-35.
- 80) Lech M, Skuginna V, Kulkarni OP, Gong J, Wei T, Stark RW, Garlanda C, Mantovani A, Anders HJ. Lack of SIGIRR/TIR8 aggravates hydrocarbon oil-induced lupus nephritis. *J Pathol.* 2010 Apr;220(5):596-607.
- 81) Drexler SK, Kong P, Inglis J, Williams RO, Garlanda C, Mantovani A, Yazdi AS, Brennan F, Feldmann M, Foxwell BM. SIGIRR/TIR8 is an inhibitor of TLR signalling in primary human cells and regulates inflammation in models of rheumatoid arthritis. *Arthritis Rheum.* 2010 Aug;62(8):2249-61.
- 82) Drexler SK, Wales J, Andreakos E, Kong P, Davis A, Garlanda C, Mantovani A, Hussell T, Feldmann M, Foxwell BM. Evidence for a DC-specific inhibitory mechanism that depends on MyD88 and SIGIRR. *Scand J Immunol.* 2010 Jun;71(6):393-402.
- 83) Otero K, Vecchi A, Hirsch E, Kearley J, Vermi W, Del Prete A, Gonzalvo-Feo S, Garlanda C, Azzolino O, Salogni L, Lloyd CM, Facchetti F, Mantovani A, Sozzani S. Non-redundant role of CCRL2 in lung dendritic cell trafficking. *Blood.* 2010 Jul 6. [Epub ahead of print]
PMID: 20606167 [PubMed - as supplied by publisher]
- 84) Norata GD, Garlanda C, Catapano AL. The Long Pentraxin PTX3: A Modulator of the Immunoinflammatory Response in Atherosclerosis and Cardiovascular Diseases. *Trends Cardiovasc Med.* 2010 Feb;20(2):3 5-40.
- 85) Deban L, Jaillon S, Garlanda C, Bottazzi B, Mantovani A. Pentraxins in innate immunity: lessons from PTX3. *Cell Tissue Res.* 2010 Jan;343(1):237-49.
- 86) Agostinis C, Bulla R, Tripodo C, Gismondi A, Stabile H, Bossi F, Guarnotta C, Garlanda C, De Seta F, Spessotto P, Santoni A, Ghebrehiwet B, Girardi G, Tedesco F. An Alternative Role of C1q in Cell Migration and Tissue Remodeling: Contribution to Trophoblast Invasion and Placental Development. *J Immunol.* 2010 Oct 1;185(7):4420-9.
- 87) Moalli F., Doni A., Deban L., Zelante T., Zagarella S., Bottazzi B., Romani L, Mantovani A., and Garlanda C. Role of complement and Fcγ receptors in the protective activity of the long pentraxin PTX3 against *Aspergillus fumigatus*. *Blood.* 2010 Dec 9;116(24):5170-80.

- 88) Pauwels NS, Bracke KR, Maes T, Van Pottelberge GR, Garlanda C, Mantovani A, Joos GF, Brusselle GG. Cigarette smoke induces PTX3 expression in pulmonary veins of mice in an IL-1 dependent manner. *Respir Res.* 2010 Oct 4;11(1):134.
- 89) Chiarini M, Sabelli C, Melotti P, Garlanda C, Savoldi G, Mazza C, Padoan R, Plebani A, Mantovani A, Notarangelo LD, Assael BM, Badolato R. PTX3 genetic variations affect the risk of *Pseudomonas aeruginosa* airway colonization in cystic fibrosis patients. *Genes Immun.* 2010 Dec;11(8):665-70.
- 90) Cammarota R, Bertolini V, Pennesi G, Bucci EO, Gottardi O, Garlanda C, Laghi L, Barberis MC, Sessa F, Noonan DM, Albini A. The tumor microenvironment of colorectal cancer: stromal TLR-4 expression as a potential prognostic marker. *J Transl Med.* 2010 Nov 8;8:112.
- 91) Dinarello C, Arend W, Sims J, Smith D, Blumberg H, O'Neill L, Goldbach-Mansky R, Pizarro T, Hoffman H, Bufler P, Nold M, Ghezzi P, Mantovani A, Garlanda C, Boraschi D, Rubartelli A, Netea M, van der Meer J, Joosten L, Mandrup-Poulsen T, Donath M, Lewis E, Pfeilschifter J, Martin M, Kracht M, Muehl H, Novick D, Lukic M, Conti B, Solinger A, Peyman K, van de Veerdonk F, Gabel C. IL-1 family nomenclature. *Nat Immunol.* 2010 Nov;11(11):973.
- 92) Garlanda C, Bottazzi B, Moalli F, Deban L, Molla F, Latini R, Mantovani A. Pentraxins and Atherosclerosis: The Role of PTX3. *Curr Pharm Des.* 2011;17(1):38-46.
- 93) Zanier ER, Brandi G, Peri G, Longhi L, Zoerle T, Tettamanti M, Garlanda C, Sigurtà A, Valaperta S, Mantovani A, De Simoni MG, Stocchetti N. Cerebrospinal fluid pentraxin 3 early after subarachnoid hemorrhage is associated with vasospasm. *Intensive Care Med.* 2011 Feb;37(2):302-9. Epub 2010 Nov 12.
- 94) Costello DA, Watson MB, Cowley TR, Murphy N, Murphy Royal C, Garlanda C, Lynch MA. Interleukin-1 {alpha} and HMGB1 Mediate Hippocampal Dysfunction in SIGIRR-Deficient Mice. *J Neurosci.* 2011 Mar 9;31(10):3871-9.
- 95) Inforzato A, Jaillon S, Moalli F, Barbati E, Bonavita E, Bottazzi B, Mantovani A, Garlanda C. The long pentraxin PTX3 at the crossroads between innate immunity and tissue remodelling. *Tissue Antigens.* 2011 Apr;77(4):271-82.
- 96) Moalli F, Paroni M, Véliz Rodriguez T, Riva F, Polentarutti N, Bottazzi B, Valentino S, Mantero S, Nebuloni M, Mantovani A, Bragonzi A, Garlanda C. The Therapeutic Potential of the Humoral Pattern Recognition Molecule PTX3 in Chronic Lung Infection Caused by *Pseudomonas aeruginosa*. *J Immunol.* 2011 May 1;186(9):5425-34. Epub 2011 Mar 25.
- 97) Skuginna V, Lech M, Allam R, Ryu M, Clauss S, Susanti HE, Römmele C, Garlanda C, Mantovani A, Anders HJ. Toll-Like Receptor Signaling and SIGIRR in Renal Fibrosis upon Unilateral Ureteral Obstruction. *PLoS One.* 2011 Apr 22;6(4):e19204.
- 98) Lech M, Römmele C, Kulkarni OP, Susanti HE, Migliorini A, Garlanda C, Mantovani A, Anders HJ. Lack of the Long Pentraxin PTX3 Promotes Autoimmune Lung Disease but not Glomerulonephritis in Murine Systemic Lupus Erythematosus. *PLoS One.* 2011;6(5):e20118. Epub 2011 May 27.
- 99) Maugeri N, Rovere-Querini P, Slavich M, Coppi G, Doni A, Bottazzi B, Garlanda C, Cianflone D, Maseri A, Mantovani A, Manfredi AA. Early and Transient Release of Leukocyte Pentraxin 3 during Acute Myocardial Infarction. *J Immunol.* 2011;187(2):970-9.
- 100) Bertilaccio MT, Simonetti G, Dagklis A, Rocchi M, Veliz Rodriguez T, Apollonio B, Mantovani A, Ponzoni M, Ghia P, Garlanda C, Caligaris-Cappio F, Muzio M. Lack of TIR8/SIGIRR triggers progression of chronic lymphocytic leukemia in mouse models. *Blood.* 2011 118(3):660-9.
- 101) Oldani S, Finazzi S, Bottazzi B, Garlanda C, Baldassarre E, Valaperta S, Cuccovillo I, Albini M, Child M, Montanelli A, Graziani G, Badalamenti S. Plasma pentraxin-3 as a marker of bioincompatibility in hemodialysis patients. *J Nephrol.* 2012 25(1):120-6.

IF: 3.6

- 102) Moalli F, Jaillon S, Inforzato A, Sironi M, Bottazzi B, Mantovani A, Garlanda C. Pathogen recognition by the long pentraxin PTX3. *J Biomed Biotechnol.* 2011;2011:830421. Epub 2011 Jun 2.
- 103) Inforzato A, Bottazzi B, Garlanda C, Valentino S, Mantovani A. Pentraxins in humoral innate immunity. *Adv Exp Med Biol.* 2012;946:1-20.
IF: 2.4
- 104) Véliz Rodríguez T, Moalli F, Polentarutti N, Paroni M, Bonavita E, Anselmo A, Nebuloni M, Mantero S, Jaillon S, Bragonzi A, Mantovani A, Riva F, Garlanda C. Role of TIR8/SIGIRR, a Negative Regulator of IL-1R/TLR Signalling, in Resistance to Acute *Pseudomonas aeruginosa* Lung Infection. *Infect Immun.* 2012 Jan;80(1):100-9.
IF: 2.3
- 106) Leali D, Inforzato A, Ronca R, Bianchi R, Belleri M, Coltrini D, Di Salle E, Sironi M, Norata GD, Bottazzi B, Garlanda C, Day AJ, Presta M. Long pentraxin 3/tumor necrosis factor-stimulated gene-6 interaction: a biological rheostat for fibroblast growth factor 2-mediated angiogenesis. *Arterioscler Thromb Vasc Biol.* 2012 Mar;32(3):696-703.
IF: 6.6
- 107) Lee JS, Cella M, McDonald KG, Garlanda C, Kennedy GD, Nukaya M, Mantovani A, Kopan R, Bradfield CA, Newberry RD, Colonna M. AHR drives the development of gut ILC22 cells and postnatal lymphoid tissues via pathways dependent on and independent of Notch. *Nat Immunol.* 2011 Nov 20;13(2):144-51.
IF: 20.4
- 108) Doni A, Garlanda C, Bottazzi B, Meri S, Garred P, Mantovani A. Interactions of the humoral pattern recognition molecule PTX3 with the complement system. *Immunobiology.* 2012 Nov;217(11):1122-8.
IF: 2.7
- 109) Cozzi V, Garlanda C, Nebuloni M, Maina V, Martinelli A, Calabrese S, Cetin I. PTX3 as a potential endothelial dysfunction biomarker for severity of preeclampsia and IUGR. *Placenta.* 2012, 33(12):1039-44.
IF: 3.7
- 110) Galdiero MR, Garlanda C, Jaillon S, Marone G, Mantovani A. Tumor associated macrophages and neutrophils in tumor progression. *J Cell Physiol.* 2012 Oct 12. doi: 10.1002/jcp.24260. [Epub ahead of print]
IF: 5.5
- 111) Paroni M, Moalli F, Nebuloni M, Pasqualini F, Bonfield T, Nonis A, Mantovani A, Garlanda C, Bragonzi A. Response of CFTR-Deficient Mice to Long-Term chronic *Pseudomonas aeruginosa* Infection and PTX3 Therapy. *J Infect Dis.* 2013 Jul;208(1):130-8.
IF: 1
- 112) Riva F, Bonavita E, Barbati E, Muzio M, Mantovani A, Garlanda C. TIR8/SIGIRR is an Interleukin-1 Receptor/Toll Like Receptor Family Member with Regulatory Functions in Inflammation and Immunity. *Front Immunol.* 2012;3:322. doi: 10.3389/fimmu.2012.00322. Epub 2012 Oct 29.
IF: 3.8
- 113) Barbati E, Specchia C, Vilella M, Rossi ML, Barlera S, Bottazzi B, Crociati L, d'Arienzo C, Fanelli R, Garlanda C, Gori F, Mango R, Mantovani A, Merla G, Nicolis EB, Pietri S, Presbitero P, Sudo Y, Vilella A, Franzosi MG. Influence of Pentraxin 3 (PTX3) Genetic Variants on Myocardial Infarction Risk and PTX3 Plasma Levels. *PLoS One.* 2012;7(12):e53030. doi: 10.1371/journal.pone.0053030. Epub 2012 Dec 28.
IF: 3.7

- 114) Inforzato A, Reading PC, Barbati E, Bottazzi B, Garlanda C, Mantovani A. The "sweet" side of a long pentraxin: how glycosylation affects PTX3 functions in innate immunity and inflammation. *Front Immunol.* 2012;3:407.
IF: 3.8
- 115) Lech M, Römmele C, Gröbmayer R, Eka Susanti H, Kulkarni OP, Wang S, Gröne HJ, Uhl B, Reichel C, Krombach F, Garlanda C, Mantovani A, Anders HJ.
Endogenous and exogenous pentraxin-3 limits postischemic acute and chronic kidney injury. *Kidney Int.* 2013 Apr;83(4):647-61.
IF: 8.9
- 116) Ronca R, Alessi P, Coltrini D, Salle ED, Giacomini A, Leali D, Corsini M, Belleri M, Tobia C, Garlanda C, Bonomi E, Tardanico R, Vermi W, Presta M. Long Pentraxin-3 As An Epithelial-Stromal Fibroblast Growth Factor-Targeting Inhibitor In Prostate Cancer. *J Pathol.* 2013 Jun;230(2):228-38
IF: 7.3
- 117) Mantovani A, Valentino S, Gentile S, Inforzato A, Bottazzi B, Garlanda C.
The long pentraxin PTX3: a paradigm for humoral pattern recognition molecules. *Ann N Y Acad Sci.* 2013 May;1285(1):1-14.
IF: 4.3
- 118) Jaillon S, Galdiero MR, Del Prete D, Cassatella MA, Garlanda C, Mantovani A.
Neutrophils in innate and adaptive immunity. *Semin Immunopathol.* 2013 Jul;35(4):377-94.
IF: 7.4
- 119) Barry J, Loh Z, Collison A, Mazzone S, Lalwani A, Zhang V, Davidson S, Wybacz E, Garlanda C, Mantovani A, Mattes J, Foster PS, Phipps S.
The Absence of Toll-IL-1 Receptor 8/SIGIRR Reduces House Dust Mite-Induced Allergic Airways Inflammation in Mice. *Am J Respir Cell Mol Biol.* 2013 Sep;49(3):481-90.
IF: 4.1
- 120) Locatelli M, Ferrero S, Martinelli Boneschi F, Boiocchi L, Zavanone M, Maria Gaini S, Bello L, Valentino S, Barbati E, Nebuloni M, Mantovani A, Garlanda C.
The long pentraxin PTX3 as a correlate of cancer-related inflammation and prognosis of malignancy in gliomas. *J Neuroimmunol.* 2013 Jul 15;260(1-2):99-106
IF: 3.1
- 121) Inforzato A, Doni A, Barajon I, Leone R, Garlanda C, Bottazzi B, Mantovani A.
PTX3 as a paradigm for the interaction of pentraxins with the Complement system. *Semin Immunol.* 2013 Feb;25(1):79-85.
IF: 6.1
- 122) Garlanda C, Riva F, Bonavita E, Gentile S, Mantovani A.
Decoys and Regulatory "Receptors" of the IL-1/Toll-Like Receptor Superfamily. *Front Immunol.* 2013 Jul 9;4:180.
IF: 3.8
- 123) Jaillon S, Mancuso G, Hamon Y, Beauvillain C, Cotici V, Midiri A, Bottazzi B, Nebuloni M, Garlanda C, Frémaux I, Gauchat JF, Descamps P, Beninati C, Mantovani A, Jeannin P, Delneste Y.
Prototypic long pentraxin PTX3 is present in breast milk, spreads in tissues, and protects neonate mice from *Pseudomonas aeruginosa* lung infection. *J Immunol.* 2013 Aug 15;191(4):1873-82.
IF: 4.8
- 124) Mantovani A, Garlanda C.
Platelet-macrophage partnership in innate immunity and inflammation. *Nat Immunol.* 2013 Aug;14(8):768-70.

IF: 20.4

125) Galdiero MR, Bonavita E, Barajon I, Garlanda C, Mantovani A, Jaillon S. Tumor associated macrophages and neutrophils in cancer. *Immunobiology*. 2013 Nov;218(11):1402-10.

IF: 3.1

126) Russell SE, Stefanska AM, Kubica M, Horan RM, Mantovani A, Garlanda C, Fallon PG, Walsh PT. Toll IL-1R8/single Ig IL-1-related receptor regulates psoriasiform inflammation through direct inhibition of innate IL-17A expression by $\gamma\delta$ T cells. *J Immunol*. 2013 Sep 15;191(6):3337-46.

IF: 5.3

127) Garlanda C, Mantovani A. Ligands and Receptors of the Interleukin-1 Family in Immunity and Disease. *Front Immunol*. 2013 Nov 20;4:396. No abstract available.

IF: 3.8

128) Garlanda C, Riva F, Bonavita E, Mantovani A. Negative regulatory receptors of the IL-1 family. *Semin Immunol*. 25 (2013) 408– 415

IF: 6.1

129) Garlanda C, Dinarello CA, Mantovani A. The interleukin-1 family: back to the future. *Immunity*. 2013 Dec 12;39(6):1003-18.

IF: 22.5

130) Rodriguez-Grande B, Swana M, Nguyen L, Englezou P, Maysami S, Allan SM, Rothwell NJ, Garlanda C, Denes A, Pinteaux E. The acute-phase protein PTX3 is an essential mediator of glial scar formation and resolution of brain edema after ischemic injury. *J Cereb Blood Flow Metab*. 2013 Dec 18. doi: 10.1038/jcbfm.2013.224. [Epub ahead of print]

IF: 5.3

131) Blok DC, van Lieshout MH, Hoogendijk AJ, Florquin S, de Boer OJ, Garlanda C, Mantovani A, Van't Veer C, de Vos AF, van der Poll T. Single Immunoglobulin Interleukin-1 Receptor-Related Molecule Impairs Host Defense during Pneumonia and Sepsis Caused by *Streptococcus pneumoniae*. *J Innate Immun*. 2014;6(4):542-52. [Epub ahead of print] PMID: 24556793

IF: 4.3

132) Peano C, Chiaramonte F, Motta S, Pietrelli A, Jaillon S, Rossi E, Consolandi C, Champion OL, Michell SL, Freddi L, Falciola L, Basilico F, Garlanda C, Mauri P, De Bellis G, Landini P. Gene and Protein Expression in Response to Different Growth Temperatures and Oxygen Availability in *Burkholderia thailandensis*. *PLoS One*. 2014 Mar 26;9(3):e93009.

IF: 3.2

133) Jaillon S, Moalli F, Ragnarsdottir B, Bonavita E, Riva F, Barbati E, Nebuloni M, Cvetko Krajinovic L, Markotic A, Valentino S, Doni A, Tartari S, Graziani G, Montanelli A, Delneste Y, Svanborg C, Garlanda C, Mantovani A. The humoral pattern recognition molecule PTX3 is a key component of innate immunity against urinary tract infection. *Immunity*. 2014 Apr 17;40(4):621-32.

IF: 16.4

134) Moretti S, Bozza S, Oikonomou V, Renga G, Casagrande A, Iannitti RG, Puccetti M, Garlanda C, Kim S, Li S, van de Veerdonk FL, Dinarello CA, Romani L. IL-37 inhibits inflammasome activation and disease severity in murine aspergillosis. *PLoS Pathog*. 2014 Nov 6;10(11):e1004462.

IF: 8.35

135) Jaillon S, Bonavita E, Gentile S, Rubino M, Laface I, Garlanda C, Mantovani A. The long pentraxin PTX3 as a key component of humoral innate immunity and a candidate diagnostic for inflammatory diseases.

Int Arch Allergy Immunol. 2014;165(3):165-78.

IF: 2.7

136) Rodriguez-Grande B, Varghese L, Molina-Holgado F, Rajkovic O, Garlanda C, Denes A, Pinteaux E. Pentraxin 3 mediates neurogenesis and angiogenesis after cerebral ischaemia.

J Neuroinflammation. 2015 Jan 24;12:15.

IF: 8.3

137) Li S, Neff CP, Barber K, Hong J, Luo Y, Azam T, Palmer BE, Fujita M, Garlanda C, Mantovani A, Kim S, Dinarello CA. Extracellular forms of IL-37 inhibit innate inflammation in vitro and in vivo but require the IL-1 family decoy receptor IL-1R8.

Proc Natl Acad Sci U S A. 2015 Feb 24;112(8):2497-502.

IF: 9.4

138) Bonavita E, Gentile S, Rubino M, Maina V, Papait R, Kunderfranco P, Greco C, Feruglio F, Molgora M, Laface I, Tartari S, Doni A, Pasqualini F, Barbati E, Basso G, Galdiero MR, Nebuloni M, Roncalli M, Colombo P, Laghi L, Lambris JD, Jaillon S, Garlanda C, Mantovani A. PTX3 is an extrinsic oncosuppressor regulating complement-dependent inflammation in cancer.

Cell. 2015 Feb 12;160(4):700-14. doi: 10.1016/j.cell.2015.01.004.

IF: 38.6

139) Foo SS, Chen W, Taylor A, Sheng KC, Yu X, Teng TS, Reading PC, Blanchard H, Garlanda C, Mantovani A, Ng LF, Herrero LJ, Mahalingam S. Role of pentraxin 3 in shaping arthritogenic alphaviral disease: from enhanced viral replication to immunomodulation.

PLoS Pathog. 2015 Feb 19;11(2):e1004649.

IF: 7.47

140) Nold-Petry CA, Lo CY, Rudloff I, Elgass KD, Li S, Gantier MP, Lotz-Havla AS, Gersting SW, Cho SX, Lao JC, Ellisdon AM, Rotter B, Azam T, Mangan NE, Rossello FJ, Whisstock JC, Bufler P, Garlanda C, Mantovani A, Dinarello CA, Nold MF. IL-37 requires the receptors IL-18R α and IL-1R8 (SIGIRR) to carry out its multifaceted anti-inflammatory program upon innate signal transduction. Nat Immunol. 2015 Apr;16(4):354-65.

IF: 23.5

141) Bottazzi B, Santini L, Savino S, Giuliani MM, Dueñas Díez AI, Mancuso G, Beninati C, Sironi M, Valentino S, Deban L, Garlanda C, Teti G, Pizza M, Rappuoli R, Mantovani A. Recognition of Neisseria meningitidis by the Long Pentraxin PTX3 and Its Role as an Endogenous Adjuvant.

PLoS One. 2015 Mar 18;10(3):e0120807.

IF: 3.48

142) Doni A, Musso T, Morone D, Bastone A, Zambelli V, Sironi M, Castagnoli C, Cambieri I, Stravalaci M, Pasqualini F, Laface I, Valentino S, Tartari S, Ponzetta A, Maina V, Barbieri SS, Tremoli E, Catapano AL, Norata GD, Bottazzi B, Garlanda C, Mantovani A. An acidic microenvironment sets the humoral pattern recognition molecule PTX3 in a tissue repair mode. J Exp Med. 2015 Jun 1;212(6):905-25.

IF: 11.2

143) Doni A, Garlanda C, Mantovani A. PTX3 orchestrates tissue repair. Oncotarget. 2015 Oct 13;6(31):30435-6. doi: 10.18632/oncotarget.5453.

IF: 5.1

144) Infante M, Allavena P, Garlanda C, Nebuloni M, Morenghi E, Rahal D, Roncalli M, Cavuto S, Pesce S, Monari M, Valaperta S, Montanelli A, Solomon D, Bottoni E, Errico V, Voulaz E, Bossi M, Chiesa G, Passera E, Mantovani A, Alloisio M. Prognostic and diagnostic potential of local and circulating levels of pentraxin 3 in lung cancer patients. Int J Cancer. 2015 Aug 27. doi: 10.1002/ijc.29822. [Epub ahead of print]

IF: 5.5

145) Borghi M, De Luca A, Puccetti M, Jaeger M, Mencacci A, Oikonomou V, Pariano M, Garlanda C, Moretti S, Bartoli A, Sobel J, van de Veerdonk FL, Dinarello CA, Netea MG, Romani

- L. Pathogenic NLRP3 Inflammasome Activity during Candida Infection Is Negatively Regulated by IL-22 via Activation of NLRC4 and IL-1Ra. *Cell Host Microbe*. 2015 Aug 12;18(2):198-209. doi: 10.1016/j.chom.2015.07.004.
IF: 10
- 146) Renzi TA, Rubino M, Gornati L, Garlanda C, Locati M, Curtale G. MiR-146b Mediates Endotoxin Tolerance in Human Phagocytes. *Mediators Inflamm*. 2015;2015:145305. doi: 10.1155/2015/145305.
IF: 3.4
- 147) Bonavita E, Mantovani A, Garlanda C. PTX3 acts as an extrinsic oncosuppressor. *Oncotarget*. 2015 Jul 11. doi: 10.18632/oncotarget.4845.
IF: 5.1
- 148) Paeschke A, Possehl A, Klingel K, Voss M, Voss K, Kesphol M, Sauter M, Overkleef HS, Althof N, Garlanda C, Voigt A. The immunoproteasome controls the availability of the cardio-protective pattern recognition molecule Pentraxin3. *Eur J Immunol*. 2015 Nov 18. doi: 10.1002/eji.201545892. [Epub ahead of print] PMID: 26578407
IF: 4.1
- 149) Ummenthum K, Peferoen LA, Finardi A, Baker D, Pryce G, Mantovani A, Bsibsi M, Bottazzi B, Peferoen-Baert R, van der Valk P, Garlanda C, Kipp M, Furlan R, van Noort JM, Amor S. Pentraxin-3 is upregulated in the central nervous system during MS and EAE, but does not modulate experimental neurological disease. *Eur J Immunol*. 2015 Nov 18. doi: 10.1002/eji.201545950. [Epub ahead of print] PMID: 26576501
IF: 4.1
- 150) Cappuzzello C, Doni A, Dander E, Pasqualini F, Nebuloni M, Bottazzi B, Mantovani A, Biondi A, Garlanda C, D'Amico G. Mesenchymal Stromal Cell-Derived PTX3 Promotes Wound Healing via Fibrin Remodeling. *J Invest Dermatol*. 2016 Jan;136(1):293-300. doi: 10.1038/JID.2015.346.
IF: 6.2
- 151) Garlanda C, Jaillon S, Doni A, Bottazzi B, Mantovani A. PTX3, a humoral pattern recognition molecule at the interface between microbe and matrix recognition. *Curr Opin Immunol*. 2016 Feb;38:39-44. doi: 10.1016/j.coi.2015.11.002. Epub 2015 Nov 30.
IF: 8.3
- 152) Rossi E, Longo F, Barbagallo M, Peano C, Consolandi C, Pietrelli A, Jaillon S, Garlanda C, Landini P. Glucose availability enhances lipopolysaccharide production and immunogenicity in the opportunistic pathogen *Acinetobacter baumannii*. *Future Microbiol*. 2016 Mar;11:335-49. doi: 10.2217/fmb.15.153. Epub 2016 Mar 2.
IF: 2.9
- 153) Molgora M, Barajon I, Mantovani A, Garlanda C. Regulatory Role of IL-1R8 in Immunity and Disease. *Front Immunol*. 2016 Apr 20;7:149. doi: 10.3389/fimmu.2016.00149. eCollection 2016.
IF: 6.4
- 154) Jaillon S, Ponzetta A, Magrini E, Barajon I, Barbagallo M, Garlanda C, Mantovani A. Fluid phase recognition molecules in neutrophil-dependent immune responses. *Semin Immunol*. 2016 Apr;28(2):109-18. doi: 10.1016/j.smim.2016.03.005. Epub 2016 Mar 25.
IF: 9.6
- 155) Anselmo A, Riva F, Gentile S, Soldani C, Barbagallo M, Mazzon C, Feruglio F, Polentarutti N, Somma P, Carullo P, Angelini C, Bacci M, Mendolicchio GL, Voza A, Nebuloni M, Mantovani A, Garlanda C. Expression and function of IL-1R8 (TIR8/SIGIRR): a regulatory member of the IL-1 receptor family in platelets. *Cardiovasc Res*. 2016 Sep;111(4):373-84. doi: 10.1093/cvr/cvw162. Epub 2016 Jun 13.
IF: 5.8

- 156) Magrini E, Mantovani A, Garlanda C. The Dual Complexity of PTX3 in Health and Disease: A Balancing Act? *Trends Mol Med*. 2016 Jun;22(6):497-510. doi: 10.1016/j.molmed.2016.04.007. Epub 2016 May 11. Review.
IF: 10.7
- 157) Bonacina F, Barbieri SS, Cutuli L, Amadio P, Doni A, Sironi M, Tartari S, Mantovani A, Bottazzi B, Garlanda C, Tremoli E, Catapano AL, Norata GD. Vascular pentraxin 3 controls arterial thrombosis by targeting collagen and fibrinogen induced platelets aggregation. *Biochim Biophys Acta*. 2016 Jun;1862(6):1182-90. doi: 10.1016/j.bbadis.2016.03.007. Epub 2016 Mar 11.
IF: 4.7
- 158) Galdiero MR, Bianchi P, Grizzi F, Di Caro G, Basso G, Ponzetta A, Bonavita E, Barbagallo M, Tartari S, Polentarutti N, Malesci A, Marone G, Roncalli M, Laghi L, Garlanda C, Mantovani A, Jaillon S. Occurrence and significance of tumor-associated neutrophils in patients with colorectal cancer. *Int J Cancer*. 2016 Jul 15;139(2):446-56. doi: 10.1002/ijc.30076. Epub 2016 Mar 24.
IF: 2.99
- 159) Bottazzi B, Inforzato A, Messa M, Barbagallo M, Magrini E, Garlanda C, Mantovani A. The pentraxins PTX3 and SAP in innate immunity, regulation of inflammation and tissue remodelling. *J Hepatol*. 2016 Jun;64(6):1416-27. doi: 10.1016/j.jhep.2016.02.029. Epub 2016 Feb 26. Review.
IF: 12.4
- 160) Doni A, D'Amico G, Morone D, Mantovani A, Garlanda C. Humoral innate immunity at the crossroad between microbe and matrix recognition: The role of PTX3 in tissue damage. *Semin Cell Dev Biol*. 2016 Jul 29. pii: S1084-9521(16)30230-0. doi: 10.1016/j.semcdb.2016.07.026.
IF: 6.2
- 161) Bonecchi R, Garlanda C, Mantovani A, Riva F. Cytokine decoy and scavenger receptors as key regulators of immunity and inflammation. *Cytokine*. 2016 Nov;87:37-45. doi: 10.1016/j.cyto.2016.06.023. Epub 2016 Aug 4.
IF: 3.4
- 162) Cavalli G, Koenders M, Kalabokis V, Kim J, Tan AC, Garlanda C, Mantovani A, Dagna L, Joosten LA, Dinarello CA. Treating experimental arthritis with the innate immune inhibitor interleukin-37 reduces joint and systemic inflammation. *Rheumatology (Oxford)*. 2016 Aug 26. pii: kew325. [Epub ahead of print] PMID: 27567100
IF: 4.8
- 163) Chorny A, Casas-Recasens S, Sintès J, Shan M, Polentarutti N, García-Escudero R, Walland AC, Yeiser JR, Cassis L, Carrillo J, Puga I, Cunha C, Bastos H, Rodrigues F, Lacerda JF, Morais A, Dieguez-Gonzalez R, Heeger PS, Salvatori G, Carvalho A, Garcia-Sastre A, Blander JM, Mantovani A, Garlanda C, Cerutti A. The soluble pattern recognition receptor PTX3 links humoral innate and adaptive immune responses by helping marginal zone B cells. *J Exp Med*. 2016 Sep 19;213(10):2167-85. doi: 10.1084/jem.20150282. Epub 2016 Sep 12.
IF: 11.9
- 164) Maio M, Bertocci E, Fazio C, Chiarucci C, Cutaia O, Scala E, Giacobini G, Lofiego MF, Fonsatti E, Maccalli C, Nicolay HJ, Parmiani G; NIBIT "Cancer Bio-Immunotherapy in Siena": Thirteenth Meeting of the Network Italiano per la Bioterapia dei Tumori (NIBIT), Siena, Italy, October 8-10, 2015. *Cancer Immunol Immunother*. 2016 Sep 12. [Epub ahead of print] No abstract available.
IF: 4.7
- 165) Daigo K, Inforzato A, Barajon I, Garlanda C, Bottazzi B, Meri S, Mantovani A. Pentraxins in the activation and regulation of innate immunity. *Immunol Rev*. 2016 Nov;274(1):202-217. doi: 10.1111/imr.12476. Review.
IF: 12.98
- 166) Wang L, Cano M, Datta S, Wei H, Ebrahimi KB, Gorashi Y, Garlanda C, Handa JT. Pentraxin 3 recruits complement factor H to protect against oxidative stress-induced complement and inflammasome overactivation. *J Pathol*. 2016 Dec;240(4):495-506. doi: 10.1002/path.4811.

IF: 5.9

167) Doni A, Garlanda C, Mantovani A. Innate immunity, hemostasis and matrix remodeling: PTX3 as a link. *Semin Immunol.* 2016 Dec;28(6):570-577. doi: 10.1016/j.smim.2016.10.012. Epub 2016 Nov 20.

IF: 9.6

168) Dander E, De Lorenzo P, Bottazzi B, Quarello P, Vinci P, Balduzzi A, Masciocchi F, Bonanomi S, Cappuzzello C, Prunotto G, Pavan F, Pasqualini F, Sironi M, Cuccovillo I, Leone R, Salvatori G, Parma M, Terruzzi E, Pagni F, Locatelli F, Mantovani A, Fagioli F, Biondi A, Garlanda C, Valsecchi MG, Rovelli A, D'Amico G. Pentraxin 3 plasma levels at graft-versus-host disease onset predict disease severity and response to therapy in children given haematopoietic stem cell transplantation. *Oncotarget.* 2016 Dec 13;7(50):82123-82138. doi: 10.18632/oncotarget.13488.

IF: 5.1

169) Vezzoli M, Sciorati C, Campana L, Monno A, Doglio MG, Rigamonti E, Corna G, Touvier T, Castiglioni A, Capobianco A, Mantovani A, Manfredi AA, Garlanda C, Rovere-Querini P. The clearance of cell remnants and the regeneration of the injured muscle depend on soluble pattern recognition receptor PTX3. *Mol Med.* 2016 Nov 23;22. doi: 10.2119/molmed.2016.00002.

IF: 3.4

170) Jaillon S, Bonavita E, Garlanda C, Mantovani A. Interplay between Myeloid Cells and Humoral Innate Immunity. *Microbiol Spectr.* 2016 Dec;4(6). doi: 10.1128/microbiolspec.MCHD-0051-2016.

IF: 3.1

171) Cavalli G, Justice JN, Boyle KE, D'Alessandro A, Eisenmesser EZ, Herrera JJ, Hansen KC, Nemkov T, Stienstra R, Garlanda C, Mantovani A, Seals DR, Dagna L, Joosten LA, Ballak DB, Dinarello CA. Interleukin 37 reverses the metabolic cost of inflammation, increases oxidative respiration, and improves exercise tolerance. *Proc Natl Acad Sci U S A.* 2017 Feb 13. pii: 201619011. doi: 10.1073/pnas.1619011114.

IF: 9.5

172) Tomasoni R, Morini R, Lopez-Atalaya JP, Corradini I, Canzi A, Rasile M, Mantovani C, Pozzi D, Garlanda C, Mantovani A, Menna E, Barco A, Matteoli M. Lack of IL-1R8 in neurons causes hyperactivation of IL-1 receptor pathway and induces MECP2-dependent synaptic defects. *Elife.* 2017 Mar 28;6. pii: e21735. doi: 10.7554/eLife.21735.

IF: 7.6

173) Mauri T, Zambelli V, Cappuzzello C, Bellani G, Dander E, Sironi M, Castiglioni V, Doni A, Mantovani A, Biondi A, Garlanda C, D'Amico G, Pesenti A. Intraperitoneal adoptive transfer of mesenchymal stem cells enhances recovery from acid aspiration acute lung injury in mice. *Intensive Care Med Exp.* 2017 Dec;5(1):13. doi: 10.1186/s40635-017-0126-5. Epub 2017 Mar 6.

IF: 17.6

174) Campesato LF, Silva APM, Cordeiro L, Correa BR, Navarro FCP, Zanin RF, Marçola M, Inoue LT, Duarte ML, Molgora M, Pasqualini F, Massara M, Galante P, Barroso-Sousa R, Polentarutti N, Riva F, Costa ET, Mantovani A, Garlanda C, Camargo AA. High IL-1R8 expression in breast tumors promotes tumor growth and contributes to impaired antitumor immunity. *Oncotarget.* 2017 Jul 25;8(30):49470-49483. doi: 10.18632/oncotarget.17713.

IF: 5.1

175) Rubino M, Kunderfranco P, Basso G, Greco CM, Pasqualini F, Serio S, Roncalli M, Laghi L, Mantovani A, Papait R, Garlanda C. Epigenetic regulation of the extrinsic oncosuppressor PTX3 gene in inflammation and cancer. *Oncoimmunology.* 2017 May 30;6(7):e1333215. doi: 10.1080/2162402X.2017.1333215. eCollection 2017.

IF: 4.19

176) Jaillon S, Berthenet K, Garlanda C. Sexual Dimorphism in Innate Immunity. *Clin Rev Allergy Immunol.* 2017 Sep 30. doi: 10.1007/s12016-017-8648-x. [Epub ahead of print]

IF: 10.7

177) Matteo M, Cicinelli E, Neri M, Carrubba R, Carpagnano FA, Romeo F, Scutiero G, Greco P, Garlanda C, Vendemiale G, Levi Setti PE, Serviddio G. Pro-inflammatory M1/Th1 type immune network and increased expression of TSG-6 in the eutopic endometrium from women with endometriosis. *Eur J Obstet Gynecol Reprod Biol.* 2017 Nov;218:99-105. doi: 10.1016/j.ejogrb.2017.08.014.

IF: 2.4

178) Cavalli G, Koenders M, Kalabokis V, Kim J, Choon Tan A, Garlanda C, Mantovani A, Dagna L, Joosten LAB, Dinarello CA. Treating experimental arthritis with the innate immune inhibitor interleukin-37 reduces joint and systemic inflammation. *Rheumatology (Oxford).* 2017 Dec 1;56(12):2256. doi: 10.1093/rheumatology/kex348.

IF: 5.2

179) Erreni M, Manfredi AA, Garlanda C, Mantovani A, Rovere-Querini P. The long pentraxin PTX3: A prototypical sensor of tissue injury and a regulator of homeostasis. *Immunol Rev.* 2017 Nov;280(1):112-125. doi: 10.1111/imr.12570.

IF: 12.9

180) Molgora M*, Bonavita E*, Ponzetta A, Riva F, Barbagallo M, Jaillon S, Popović B, Bernardini G, Magrini E, Gianni F, Zelenay S, Jonjić S, Santoni A, Garlanda C°, Mantovani A°. IL-1R8 is a checkpoint in NK cells regulating anti-tumour and anti-viral activity. *Nature.* 2017 Nov 2;551(7678):110-114. doi: 10.1038/nature24293. * Equally contributed. ° Corresponding authors.

IF: 41.5

181) Molgora M, Supino D, Mantovani A, Garlanda C. Tuning inflammation and immunity by the negative regulators IL-1R2 and IL-1R8. *Immunol Rev.* 2018 Jan;281(1):233-247. doi: 10.1111/imr.12609.

IF: 12.9

182) Mantovani A, Barajon I, Garlanda C. IL-1 and IL-1 regulatory pathways in cancer progression and therapy. *Immunol Rev.* 2018 Jan;281(1):57-61. doi: 10.1111/imr.12614.

IF: 12.9

183) Garlanda C, Bottazzi B, Magrini E, Inforzato A, Mantovani A. PTX3, a Humoral Pattern Recognition Molecule, in Innate Immunity, Tissue Repair, and Cancer. *Physiol Rev.* 2018 Apr 1;98(2):623-639. doi: 10.1152/physrev.00016.2017.

IF: 21.46

184) Marschner JA, Mulay SR, Steiger S, Anguiano L, Zhao Z, Boor P, Rahimi K, Inforzato A, Garlanda C, Mantovani A, Anders HJ. The Long Pentraxin PTX3 Is an Endogenous Inhibitor of Hyperoxaluria-Related Nephrocalcinosis and Chronic Kidney Disease. *Front Immunol.* 2018 Sep 25;9:2173. doi: 10.3389/fimmu.2018.02173. eCollection 2018. PMID: 30319631

IF: 4.5

185) Rajkovic I, Wong R, Lemarchand E, Rivers-Auty J, Rajkovic O, Garlanda C, Allan SM, Pinteaux E.3. Pentraxin 3 promotes long-term cerebral blood flow recovery, angiogenesis, and neuronal survival after stroke. *J Mol Med (Berl).* 2018 Oct 13. doi: 10.1007/s00109-018-1698-6. [Epub ahead of print] PMID: 30315331

IF: 4.7

186) Marelli G, Avigni R, Allavena P, Garlanda C, Mantovani A, Doni A, Erreni M. Optical in vivo imaging detection of preclinical models of gut tumors through the expression of integrin $\alpha V\beta 3$. *Oncotarget.* 2018 Jul 31;9(59):31380-31396. doi: 10.18632/oncotarget.25826. eCollection 2018 Jul 31. PMID: 30140377

IF: 5.1

187) Molgora M, Supino D, Mavilio D, Santoni A, Moretta L, Mantovani A, Garlanda C. The yin-yang of the interaction between myelomonocytic cells and NK cells. *Scand J Immunol.* 2018 Sep;88(3):e12705. doi: 10.1111/sji.12705. Epub 2018 Aug 19.

IF: 2.5

188) Fossati G, Pozzi D, Canzi A, Mirabella F, Valentino S, Morini R, Ghirardini E, Filipello F, Moretti M, Gotti C, Annis DS, Mosher DF, Garlanda C, Bottazzi B, Taraboletti G, Mantovani A, Matteoli M, Menna E. Pentraxin 3 regulates synaptic function by inducing AMPA receptor clustering via ECM remodeling and β 1-integrin. *EMBO J*. 2018 Nov 5. pii: e99529. doi: 10.15252/embj.201899529.

IF: 11.2

189) Batista NV, Barbagallo M, Oliveira VLS, Castro-Gomes T, Oliveira RDR, Louzada-Junior P, Pinheiro GRC, Mantovani A, Teixeira MM, Garlanda C, Amaral FA. The Long Pentraxin 3 Contributes to Joint Inflammation in Gout by Facilitating the Phagocytosis of Monosodium Urate Crystals. *J Immunol*. 2019 Feb 4. 202:1807-1814. doi: 10.4049/jimmunol.1701531.

IF: 4.8

190) Ciancarella V, Lembo-Fazio L, Paciello I, Bruno AK, Jaillon S, Berardi S, Barbagallo M, Meron-Sudai S, Cohen D, Molinaro A, Rossi G, Garlanda C, Bernardini ML. Role of a fluid-phase PRR in fighting an intracellular pathogen: PTX3 in Shigella infection. *PLoS Pathog*. 2018 Dec 7;14(12):e1007469. doi: 10.1371/journal.ppat.1007469. eCollection 2018 Dec.

IF: 6.4

191) Bonacina F, Moregola A, Porte R, Baragetti A, Bonavita E, Salatin A, Grigore L, Pellegatta F, Molgora M, Sironi M, Barbati E, Mantovani A, Bottazzi B, Catapano AL, Garlanda C, Norata GD. Pentraxin 3 deficiency protects from the metabolic inflammation associated to diet-induced obesity. *Cardiovasc Res*. 2019 Mar 12. pii: cvz068. doi: 10.1093/cvr/cvz068. [Epub ahead of print] PMID: 30859179

IF: 8.1

192) Doni A, Stravalaci M, Inforzato A, Magrini E, Mantovani A, Garlanda C, Bottazzi B. The Long Pentraxin PTX3 as a Link Between Innate Immunity, Tissue Remodeling, and Cancer. *Front Immunol*. 2019 Apr 4;10:712. doi: 10.3389/fimmu.2019.00712. eCollection 2019. PMID: 31019517 Free Article

IF: 6.7

193) Riva F, Ponzoni M, Supino D, Bertilaccio MTS, Polentarutti N, Massara M, Pasqualini F, Carriero R, Innocenzi A, Anselmo A, Veliz Rodriguez T, Simonetti G, Anders HJ, Caligaris Cappio F, Mantovani A, Muzio M, Garlanda C. IL1R8 Deficiency Drives Autoimmunity-Associated Lymphoma Development. *Cancer Immunol Res*. 2019 Jun;7(6):874-885. doi: 10.1158/2326-6066.CIR-18-0698. PMID: 31018956

IF: 6.9

194) Mantovani A, Dinarello CA, Molgora M, Garlanda C. Interleukin-1 and Related Cytokines in the Regulation of Inflammation and Immunity. *Immunity*. 2019 Apr 16;50(4):778-795. doi: 10.1016/j.immuni.2019.03.012. PMID: 30995499

IF: 31.7

195) Porte R, Davoudian S, Asgari F, Parente R, Mantovani A, Garlanda C, Bottazzi B. The Long Pentraxin PTX3 as a Humoral Innate Immunity Functional Player and Biomarker of Infections and Sepsis. *Front Immunol*. 2019 Apr 12;10:794. doi: 10.3389/fimmu.2019.00794. eCollection 2019. PMID: 31031772

IF: 6.7

196) Ponzetta A, Carriero R, Carnevale S, Barbagallo M, Molgora M, Perucchini C, Magrini E, Gianni F, Kunderfranco P, Polentarutti N, Pasqualini F, Di Marco S, Supino D, Peano C, Cananzi F, Colombo P, Pilotti S, Alomar SY, Bonavita E, Galdiero MR, Garlanda C, Mantovani A, Jaillon S. Neutrophils Driving Unconventional T Cells Mediate Resistance against Murine Sarcomas and Selected Human Tumors. *Cell*. 2019 Jul 11;178(2):346-360.e24. doi: 10.1016/j.cell.2019.05.047.

IF: 41.5

197) Kostoula C, Shaker T, Cerovic M, Craparotta I, Marchini S, Butti E, Pascente R, Iori V, Garlanda C, Aronica E, Martino G, Ravizza T, Carmant L, Vezzani A. TLR3 preconditioning induces anti-inflammatory and anti-ictogenic effects in mice mediated by the IRF3/IFN- β axis. *Brain Behav Immun*. 2019 Oct;81:598-607. doi: 10.1016/j.bbi.2019.07.021.

IF: 6.6

198) Lombardi M, Parolisi R, Scaroni F, Bonfanti E, Gualerzi A, Gabrielli M, Kerlero de Rosbo N, Uccelli A, Giussani P, Viani P, Garlanda C, Abbracchio MP, Chaabane L, Buffo A, Fumagalli M, Verderio C. Detrimental and protective action of microglial extracellular vesicles on myelin lesions: astrocyte involvement in remyelination failure. *Acta Neuropathol*. 2019 Jul 30. doi: 10.1007/s00401-019-02049-1.

IF: 14.2

199) Bottazzi B, Garlanda C, Teixeira MM. The Role of Pentraxins: From Inflammation, Tissue Repair and Immunity to Biomarkers. *Front Immunol*. 2019 Dec 3;10:2817. doi: 10.3389/fimmu.2019.02817. eCollection 2019. PMID: 31849985 Editorial

IF: 6.7

200) Parente R, Doni A, Bottazzi B, Garlanda C, Inforzato A. The complement system in *Aspergillus fumigatus* infections and its crosstalk with pentraxins. *FEBS Lett*. 2020 Jan 28. doi: 10.1002/1873-3468.13744. Online ahead of print. PMID: 31994174

IF: 3.5

201) Mastaglio S, Ruggeri A, Risitano AM, Angelillo P, Yancopoulou D, Mastellos DC, Huber-Lang M, Piemontese S, Assanelli A, Garlanda C, Lambris JD, Ciceri F. The first case of COVID-19 treated with the complement C3 inhibitor AMY-101. *Clin Immunol*. 2020 Apr 29;215:108450. doi: 10.1016/j.clim.2020.108450.

IF: 3.9

202) Meessen JMTA, Cardinale D, Ciceri F, Sandri MT, Civelli M, Bottazzi B, Cucchi G, Menatti E, Mangiavacchi M, Condorelli G, Barbieri E, Gori S, Colombo A, Curigliano G, Salvatici M, Pastori P, Ghisoni F, Bianchi A, Falci C, Cortesi P, Farolfi A, Monopoli A, Milandri C, Bregni M, Malossi A, Nassiacos D, Verusio C, Staszewsky L, Leone R, Novelli D, Balconi G, Nicolis EB, Franzosi MG, Masson S, Garlanda C, Mantovani A, Cipolla CM, Latini R; ICOS-ONE Study Investigators. Circulating biomarkers and cardiac function over 3 years after chemotherapy with

anthracyclines: the ICOS-ONE trial. *ESC Heart Fail.* 2020 May 1. doi: 10.1002/ehf2.12695. Online ahead of print.

IF: 4.4

203) Risitano AM, Mastellos DC, Huber-Lang M, Yancopoulou D, Garlanda C, Ciceri F, Lambris JD. Complement as a target in COVID-19? *Nat Rev Immunol.* 2020 Jun;20(6):343-344. doi: 10.1038/s41577-020-0320-7. Epub 2020 Apr 23.

IF: 53.1

204) Camu W, Mickunas M, Veyrone JL, Payan C, Garlanda C, Locati M, Juntas-Morales R, Pageot N, Malaspina A, Andreasson U, Kirby J, Suehs C, Saker S, Masseguin C, De Vos J, Zetterberg H, Shaw PJ, Al-Chalabi A, Leigh PN, Tree T, Bensimon G. Repeated 5-day cycles of low dose aldesleukin in amyotrophic lateral sclerosis (IMODALS): A phase 2a randomised, double-blind, placebo-controlled trial. *EBioMedicine.* 2020 Sep;59:102844. doi: 10.1016/j.ebiom.2020.102844. Epub 2020 Jul 7.

IF: 8.1

205) Mastellos DC, Pires da Silva BGP, Fonseca BAL, Fonseca NP, Auxiliadora-Martins M, Mastaglio S, Ruggeri A, Sironi M, Radermacher P, Chrysanthopoulou A, Skendros P, Ritis K, Manfra I, Iacobelli S, Huber-Lang M, Nilsson B, Yancopoulou D, Connolly ES, Garlanda C, Ciceri F, Risitano AM, Calado RT, Lambris JD. Complement C3 vs C5 inhibition in severe COVID-19: Early clinical findings reveal differential biological efficacy. *Clin Immunol.* 2020 Nov;220:108598. doi: 10.1016/j.clim.2020.108598. Epub 2020 Sep 19.

IF: 3.9

206) Amo-Aparicio J, Sanchez-Fernandez A, Li S, Eisenmesser EZ, Garlanda C, Dinarello CA, Lopez-Vales R. Extracellular and nuclear roles of IL-37 after spinal cord injury. *Brain Behav Immun.* 2020 Sep 28;S0889-1591(20)30504-3. doi: 10.1016/j.bbi.2020.09.026. Online ahead of print.

IF: 7.2

207) Brunetta E, Folci M, Bottazzi B, De Santis M, Gritti G, Protti A, Mapelli SN, Bonovas S, Piovani D, Leone R, My I, Zanon V, Spata G, Bacci M, Supino D, Carnevale S, Sironi M, Davoudian S, Peano C, Landi F, Di Marco F, Raimondi F, Gianatti A, Angelini C, Rambaldi A^o, Garlanda C^o, Ciccarelli M^o, Cecconi M^o, Mantovani A^o. Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19. *Nat Immunol.* 2021 Jan;22(1):19-24. doi: 10.1038/s41590-020-00832-x. ^o Corresponding authors.

IF: 25.6

208) Sánchez-Fernández A, Zandee S, Amo-Aparicio J, Charabati M, Prat A, Garlanda C, Eisenmesser EZ, Dinarello CA, López-Vales R. IL-37 exerts therapeutic effects in experimental autoimmune encephalomyelitis through the receptor complex IL-1R5/IL-1R8. *Theranostics.* 2021 Jan 1;11(1):1-13. doi: 10.7150/thno.47435. eCollection 2021. PMID: 33391457

IF: 11.21

209) Mantovani A, Marchesi F, Jaillon S, Garlanda C, Allavena P. Tumor-associated myeloid cells: diversity and therapeutic targeting. *Cell Mol Immunol.* 2021 Mar;18(3):566-578. doi: 10.1038/s41423-020-00613-4. PMID: 33473192

IF: 11.5

210) Magrini E, Di Marco S, Mapelli SN, Perucchini C, Pasqualini F, Donato A, Guevara Lopez M, Carriero R, Ponzetta A, Colombo P, Cananzi F, Supino D, Reis ES, Peano C, Inforzato A, Jaillon S, Doni A, Lambris JD, Mantovani A, Garlanda C. Complement activation promoted by the lectin pathway mediates C3aR-dependent sarcoma progression and immunosuppression. *Nat Cancer* 2021; 2: 218–232 , <https://doi.org/10.1038/s43018-021-00173-0>.

IF: na

211) Asgari F, Supino D, Parente R, Polentarutti N, Stravalaci M, Porte R, Pasqualini F, Barbagallo M, Perucchini C, Recordati C, Magrini E, Mariancini A, Riva F, Giordano A, Davoudian S, Roger T, Veer CV, Jaillon S, Mantovani A, Doni A, Garlanda C. The Long Pentraxin PTX3 Controls *Klebsiella Pneumoniae* Severe Infection.

Front Immunol. 2021 May 20;12:666198. doi: 10.3389/fimmu.2021.666198. eCollection 2021.

PMID: 34093560

212) Protti A, Meessen J, Bottazzi B, Garlanda C, Milani A, Bacci M, Mantovani A, Cecconi M, Latini R, Caironi P. Circulating pentraxin 3 in severe COVID-19 or other pulmonary sepsis. *Eur J Clin Invest.* 2021 May;51(5):e13530. doi: 10.1111/eci.13530. Epub 2021 Mar 13. PMID: 33660256

IF: 4.6

213) Dander E, Fallati A, Gulić T, Pagni F, Gaspari S, Silvestri D, Cricrì G, Bedini G, Portale F, Buracchi C, Starace R, Pasqualini F, D'Angiò M, Brizzolara L, Maglia O, Mantovani A, Garlanda C, Valsecchi MG, Locatelli F, Biondi A, Bottazzi B, Allavena P, D'Amico G. Monocyte-macrophage polarization and recruitment pathways in the tumour microenvironment of B-cell acute lymphoblastic leukaemia. *Br J Haematol.* 2021 Jun;193(6):1157-1171. doi: 10.1111/bjh.17330.

IF: 6.99

214) Giovannelli I, Bayatti N, Brown A, Wang D, Mickunas M, Camu W, Veyrone JL, Payan C, Garlanda C, Locati M, Juntas-Morales R, Pageot N, Malaspina A, Andreasson U, Suehs C, Saker S, Massequin C, de Vos J, Zetterberg H, Al-Chalabi A, Leigh PN, Tree T, Bensimon G, Heath PR, Shaw PJ, Kirby J. Amyotrophic lateral sclerosis transcriptomics reveals immunological effects of low-dose interleukin-2. *Brain Commun.* 2021 Jun 29;3(3):fcab141. doi: 10.1093/braincomms/fcab141. eCollection 2021. PMID: 34409288

215) Garlanda C, Mantovani A. Interleukin-1 in tumor progression, therapy, and prevention. *Cancer Cell.* 2021 Aug 9;39(8):1023-1027. doi: 10.1016/j.ccell.2021.04.011

PMID: 33989512

IF: 31.7

216) Oggioni M, Mercurio D, Minuta D, Fumagalli S, Popiolek-Barczyk K, Sironi M, Ciechanowska A, Ippati S, De Blasio D, Perego C, Mika J, Garlanda C, De Simoni MG. Long pentraxin PTX3 is upregulated systemically and centrally after experimental neurotrauma, but its depletion leaves unaltered sensorimotor deficits or histopathology. *Sci Rep*. 2021 May 5;11(1):9616. doi: 10.1038/s41598-021-89032-7.

IF: 4.3

217) Doni A, Parente R, Laface I, Magrini E, Cunha C, Colombo FS, Lacerda JF, Campos A Jr, Mapelli SN, Petroni F, Porte R, Schorn T, Inforzato A, Mercier T, Lagrou K, Maertens J, Lambris JD, Bottazzi B, Garlanda C, Botto M, Carvalho A, Mantovani A. Serum amyloid P component is an essential element of resistance against *Aspergillus fumigatus*. *Nat Commun*. 2021 Jun 18;12(1):3739. doi: 10.1038/s41467-021-24021-y.

IF: 14.9

218) Magrini E, Garlanda C. Noncanonical Functions of C1s Complement Its Canonical Functions in Renal Cancer. *Cancer Immunol Res*. 2021 Aug;9(8):855. doi: 10.1158/2326-6066.CIR-21-0424. PMID: 34158282

IF: 6.9

219) Giannoudaki E, Stefanska AM, Lawler H, Leon G, Hernandez Santana YE, Hassan N, Russell SE, Horan R, Sweeney C, Preston RS, Mantovani A, Garlanda C, Fallon PG, Walsh PT. SIGIRR Negatively Regulates IL-36-Driven Psoriasisiform Inflammation and Neutrophil Infiltration in the Skin. *J Immunol*. 2021 Jul 12;ji2100237. doi: 10.4049/jimmunol.2100237. Online ahead of print.

IF: 5.4

220) 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

IF: 7.5

221) Parente R, Possetti V, Erreni M, D'Autilia F, Bottazzi B, Garlanda C, Mantovani A, Inforzato A, Doni A. Complementary Roles of Short and Long Pentraxins in the Complement-Mediated Immune Response to *Aspergillus fumigatus* Infections. *Front Immunol*. 2021 Nov 18;12:785883. doi: 10.3389/fimmu.2021.785883. eCollection 2021. PMID: 34868070

222) Stravalaci M, Pagani I, Paraboschi EM, Pedotti M, Doni A, Scavello F, Mapelli SN, Sironi M, Perucchini C, Varani L, Matkovic M, Cavalli A, Cesana D, Gallina P, Pedemonte N, Capurro V, Clementi N, Mancini N, Invernizzi P, Bayarri-Olmos R, Garred P, Rappuoli R, Duga S, Bottazzi B, Uguccioni M, Asselta R, Vicenzi E^o, Mantovani A^o, Garlanda C^o. Recognition and inhibition of SARS-CoV-2 by humoral innate immunity pattern recognition molecules. *Nat Immunol*. 2022. *Nat Immunol*. 2022 Feb;23(2):275-286. doi: 10.1038/s41590-021-01114-w. PMID: 35102342 ^o Corresponding authors.

IF: 25.6

223) Pozzi C, Levi R, Braga D, Carli F, Darwich A, Spadoni I, Oresta B, Dioguardi CC, Peano C, Ubaldi L, Angelotti G, Bottazzi B, Garlanda C, Desai A, Voza A, Azzolini E, Cecconi M; ICH

COVID-19 Task-force, Mantovani A, Penna G, Barbieri R, Politi LS, Rescigno M. A 'Multiomic' Approach of Saliva Metabolomics, Microbiota, and Serum Biomarkers to Assess the Need of Hospitalization in Coronavirus Disease 2019.

Gastro Hep Adv. 2022;1(2):194-209. doi: 10.1016/j.gastha.2021.12.006. Epub 2022 Feb 7. PMID: 35174369

224) Supino D, Minute L, Mariancini A, Riva F, Magrini E, Garlanda C. Negative Regulation of the IL-1 System by IL-1R2 and IL-1R8: Relevance in Pathophysiology and Disease. *Front Immunol.* 2022 Feb 8;13:804641. doi: 10.3389/fimmu.2022.804641. eCollection 2022. PMID: 35211118

225) Ma YJ, Doni A, Garlanda C. Editorial: Interactions of Pentraxins and Complement in Infection, Inflammation, and Cancer. *Front Immunol.* 2022 Feb 17;13:861359. doi: 10.3389/fimmu.2022.861359. eCollection 2022.

226) Landolina N, Mariotti FR, Ingegnere T, Alicata C, Ricci B, Pelosi A, Veneziani I, Azzarone BG, Garlanda C, Mantovani A, Moretta L, Maggi E. IL-1R8 silencing improves the anti-tumor function of freshly isolated human NK cells. *J Immunother Cancer.* 2022 Mar;10(3):e003858. doi: 10.1136/jitc-2021-003858.

227) Yau ACY, Globisch MA, Onyeogaziri FC, Conze LL, Smith R, Jauhainen S, Corada M, Orsenigo F, Huang H, Herre M, Olsson AK, Malinverno M, Sundell V, Rezai Jahromi B, Niemelä M, Laakso A, Garlanda C, Mantovani A, Lampugnani MG, Dejana E, Magnusson PU. Inflammation and neutrophil extracellular traps in cerebral cavernous malformation. *Cell Mol Life Sci.* 2022 Mar 25;79(4):206. doi: 10.1007/s00018-022-04224-2.

228) Nour J, Moregola A, Molgora M, Mantovani A, Uboldi P, Catapano A, Garlanda C, Bonacina F, Norata GD. Interleukin 1 receptor 8 deficiency does not impact atherosclerosis. *Thromb Haemost.* 2022 Apr 18. doi: 10.1055/a-1827-7205.

229) Asselta R, Paraboschi EM, Stravalaci M, Invernizzi P, Bonfanti P, Biondi A, Pagani I, Pedotti M, Doni A, Scavello F, Mapelli SN, Sironi M, Perucchini C, Varani L, Matkovic M, Cavalli A, Cesana D, Gallina P, Pedemonte N, Capurro V, Clementi N, Mancini N, Bayarri-Olmos R, Garred P, Rappuoli R, Duga S, Bottazzi B, Uguccioni M, Vicenzi E, Mantovani A, Garlanda C. Reply to: Hultström et al., Genetic determinants of mannose-binding lectin activity predispose to thromboembolic complications in critical COVID-19. Mannose-binding lectin genetics in COVID-19. *Nat Immunol.* 2022 Jun;23(6):865-867. doi: 10.1038/s41590-022-01228-9. Epub 2022 May 27.

230) Gonçalves RA, Bastos HN, Duarte-Oliveira C, Antunes D, Sokhatska O, Jacob M, Rolo R, Campos CF, Sasaki SD, Donato A, Mapelli SN, Costa S, Moura CS, Delgado L, Morais A, Torrado E, van de Veerdonk FL, Weichhart T, Lambris JD, Silvestre R, Garlanda C, Mantovani A, Cunha C, Carvalho A. PTX3 Inhibits Complement-Driven Macrophage Activation to Restrain Granuloma Formation in Sarcoidosis. *Am J Respir Crit Care Med.* 2022 Jun 29. doi: 10.1164/rccm.202112-2771OC.

231) Bruni E, Cimino MM, Donadon M, Carriero R, Terzoli S, Piazza R, Ravens S, Prinz I, Cazzetta V, Marzano P, Kunderfranco P, Peano C, Soldani C, Franceschini B, Colombo FS, Garlanda C, Mantovani A, Torzilli G, Mikulak J, Mavilio D. Intrahepatic CD69+Vδ1 T cells re-circulate in the blood of patients with metastatic colorectal cancer and limit tumor progression. *J Immunother Cancer.* 2022 Jul;10(7):e004579. doi: 10.1136/jitc-2022-004579.

- 232) Magrini E, Minute L, Dambra M, Garlanda C. Complement activation in cancer: Effects on tumor-associated myeloid cells and immunosuppression. *Semin Immunol.* 2022 Jul 13:101642. doi: 10.1016/j.smim.2022.101642.
- 233) Mantovani A, Allavena P, Marchesi F, Garlanda C. Macrophages as tools and targets in cancer therapy. *Nat Rev Drug Discov.* 2022 Aug 16:1-22. doi: 10.1038/s41573-022-00520-5.
- 234) Lapadula G, Leone R, Bernasconi DP, Biondi A, Rossi E, D'Angiò M, Bottazzi B, Bettini LR, Beretta I, Garlanda C, Valsecchi MG, Mantovani A, Bonfanti P. Long pentraxin 3 (PTX3) levels predict death, intubation and thrombotic events among hospitalized patients with COVID-19. *Front Immunol.* 2022 Oct 28;13:933960. doi: 10.3389/fimmu.2022.933960.
- 235) Erreni M, D'Autilia F, Avigni R, Bolli E, Arnouk SM, Movahedi K, Debie P, Anselmo A, Parente R, Vincke C, van Leeuwen FWB, Allavena P, Garlanda C, Mantovani A, Doni A, Hernot S, Van Ginderachter JA. Size-advantage of monovalent nanobodies against the macrophage mannose receptor for deep tumor penetration and tumor-associated macrophage targeting. *Theranostics.* 2023 Jan 1;13(1):355-373. doi: 10.7150/thno.77560.
- 236) Mantovani A. and Garlanda C. Humoral Innate Immunity and Acute Phase Proteins. *N Engl J Med.* 2023 Feb 2;388(5):439-452. doi: 10.1056/NEJMra2206346.
- 237) Mariotti FR, Supino D, Landolina N, Garlanda C, Mantovani A, Moretta L, Maggi E. IL-1R8: A molecular brake of anti-tumor and anti-viral activity of NK cells and ILC. *Semin Immunol.* 2023 Feb 6;66:101712. doi: 10.1016/j.smim.2023.101712.
- 238) Mantovani A, Garlanda C. Humoral Innate Immunity and Acute-Phase Proteins. Reply. *N Engl J Med.* 2023 May 4;388(18):1725-1726. doi: 10.1056/NEJMc2302460. PMID: 37133605
- 239) Garlanda C, Supino D. Genetics of autoinflammation instructs selective IL-1 targeting. *Immunity.* 2023 Jul 11;56(7):1429-1431. doi: 10.1016/j.immuni.2023.06.010. PMID: 37437532
- 240) Shiffer D, Zamuner AR, Minonzio M, Bulgheroni M, Porta A, Leone R, Bottazzi B, Garlanda C, Colotta F, Barbic F, Mantovani A, Furlan R. Soluble interleukin-1 receptor type 2 plasma levels in Parkinson's disease: relationship with cardiac autonomic profile before and after peripheral mechanical somatosensory stimulation. *Front Physiol.* 2023 Aug 16;14:1168652. doi: 10.3389/fphys.2023.1168652. eCollection 2023. PMID: 37664433

Chapters on scientific books

- 1) Mantovani A, Bottazzi B, Sozzani S, Peri G, Allavena P, Garlanda C, Vecchi A, Colotta F
Tumor-associated leukocytes: Biological and therapeutic significance
In: Heterogeneity of cancer cells. Raven Press, New York; 1993 : 57-63
- 2) Mantovani A, Bottazzi B, Sozzani S, Peri G, Allavena P, Garlanda C, Vecchi A, Colotta F
Tumor-associated macrophages: Cytokine regulation and therapeutic implications
In: Molecular oncology and clinical applications. Birkhauser, Basel; 1993 : 229-234
- 3) Mantovani A, Allavena P, Garlanda C, Ramponi S, Paganin C, Vecchi A, Sozzani S

Chemokines and chemokine receptors

In: From basic immunology to immune-mediated demyelination. Springer-Verlag Italia, Milano; 1999 : 58-67

4) Mantovani A, Garlanda C

Novel pathways for negative regulation of inflammatory cytokines centered on receptor expression

In: Biological characterization and assay of cytokines and growth factors. Karger, Basel; 1999 : 97-104

5) Garlanda C

Purification through affinity chromatography and microsequencing

In: Adhesion protein protocols. Humana Press, Totowa, NJ; 1999 : 29-37

6) Allavena P, Bianchi G, Sironi M, Garlanda C, Vecchi A, Mantovani A

Cytokine regulation of endothelial cells

In: Cytokine cell biology. A practical approach. Oxford Univ. Press, Oxford; 2000 : 87-101

7) Mantovani A, Muzio M, Garlanda C, Sozzani S, Allavena P

Macrophage control of inflammation: Negative pathways of regulation of inflammatory cytokines

In: Chronic obstructive pulmonary disease: Pathogenesis to treatment. Wiley, Chichester; 2001 : 120-135

8) Mantovani A, Garlanda C, Bottazzi B. In: Cytokine reference: Pentraxin 3/TSG-14, a non-redundant soluble pattern recognition receptor involved in innate immunity. 2003

9) Mantovani A., Garlanda C., Otero K., Peri G., Vecchi A., Bottazzi B. Membrane and soluble pattern recognition receptors: the unique functions of the long pentraxin PTX3. Clin. Exp.All. Rev., 2004, 4:150-154.

10) Cecilia Garlanda*, Michela Mosca*, Alessia Cotena*, Virginia Maina*, Federica Moalli*, Federica Riva°, Alberto Mantovani§*. TUNING OF INFLAMMATORY CYTOKINES AND TOLL-LIKE RECEPTORS BY TIR8/SIGIRR, A MEMBER OF THE IL-1 RECEPTOR FAMILY WITH UNIQUE STRUCTURE AND REGULATION. In "Toll-like receptors in Inflammation" Edited by L.A.J. O'Neill, 2006 Birkhauser Verlag Basel, Switzerland.

11) Agrawal A., Prakash Singh P, Bottazzi B., Garlanda C., Mantovani A. Pattern recognition by pentraxins. In "Target Pattern Recognition in Innate Immunity", edited by Uday Kishore, 2006, Landes Bioscience.

12) Garlanda C., Bottazzi B., Salvatori G., De Santis R., Cotena A., Deban L. Maina V., Moalli F., Doni A., Mantovani A. Pentraxins in innate immunity and inflammation. In " Innate immunity to pulmonary infection. Wiley, Chichester (Novartis Foundation Symposium 279) p 80-91. 2006.

13) Allavena P., Bottazzi B., Doni A., Romani L., Garlanda C., Mantovani A. Production of the long pentraxin PTX3 by myeloid dendritic cells: linking cellular and humoral innate immunity. In "Handbook of Dendritic Cells. Biology, Diseases, and Therapies. Edited by Lutz, Romani, Stainkasserer. 2006 Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim.

14) Agrawal A, Singh PP, Bottazzi B, Garlanda C, Mantovani A. Pattern recognition by pentraxins. Adv Exp Med Biol. 2009;653:98-116.

15) A. Mantovani, B. Bottazzi, A. Doni, G. Salvatori, P. Jeannin, C. Garlanda. Phagocytes are a Source of the Fluid-Phase Pattern Recognition Receptor PTX3: Interplay between Cellular and Humoral Innate Immunity. Phagocyte-Pathogen Interactions. Edited by D. G. Russell and S. Gordon, 82009 ASM Press, Washington, DC.

17) E. Barbatì, B. Bottazzi, A. L. Catapano, C. Garlanda, R. Latini, A. Mantovani, G. D. Norata, S. Valentino. PENTRAXINS AND ATHEROSCLEROSIS. In Inflammation and atherosclerosis. Edited by G. Wick, C. Grundtman. 2012, SpringerWien New York.

18) Molgora M, Supino D, Garlanda C. Regulation of immunity and disease by IL-1 receptor family members IL-1R2 and IL-1R8. In Immunopharmacology and Inflammation. Edited by Riccardi C., Levi-Schaffer F., Tiligada E. Springer Nature 2018.

In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

A handwritten signature in black ink, appearing to read 'Cecilia Garlanda', written in a cursive style.

Cecilia Garlanda

September 24, 2023