

CURRICULUM DELL'ATTIVITA' SCIENTIFICA E DIDATTICA
(redatto ai sensi degli art. 46 e 47 del D.P.R. 28.12.2000, n.445)

PERSONAL INFORMATION

Family name: **Pucillo**

First name: **Carlo Ennio Michele**

Researcher unique identifiers. ORCID: 0000-0002-4872-6156, Research ID: A-5515-2008

Nationality: Italian

URL for the web site: <https://sites.google.com/site/pucillolab/Home>

• **EDUCATION**

- 1981/87 School of medicine of University of Napoli "Federico II".
- 1988 Laurea in Medicina, "magna cum laude", with the thesis: "Regulation of Fcε receptor type II (FcεRII) on human monocyte cell line U937" G.Rossi supervisor.
- 1988/91 Residency program in oncology at School of medicine of University of Napoli "Federico II".
- 1991 Specialization in Oncology, "magna cum laude" with the thesis: Interactions of promonocytic U937 cells with proteins of the extracellular matrix.

• **CURRENT POSITION(S)**

2016 at present Full Professor in General Pathology and Immunology - University of Udine, Italy

• **PREVIOUS POSITIONS**

- 1990–2000 Assistant Professor in Immunology - School of Medicine - University of Udine, Italy
- 2000–2016 Associate Professor in Immunology - School of Medicine - University of Udine, Italy

• **FELLOWSHIPS AND AWARDS**

- October 1983–September 1989 Immunology Section Department of Cellular and Molecular Biology and Pathology "L. Califano" School of medicine of University of Napoli "Federico II" supervisor Prof. G. Rossi.
- July–October 1987 Guest Scientist at Chemical Immunology Section of NIAMS/ARB, Head Dr. Henry Metzger.
- July–October 1988 Guest Scientist at Chemical Immunology Section of NIAMS/ARB, Head Dr. Henry Metzger.
- June–October 1990 Guest Scientist at Chemical Immunology Section of NIAMS/ARB, Head Dr. Henry Metzger.
- August–September 1991 Guest Scientist Immune Regulation Section NCI/DCBDC/EIB, Head Dr R.J. Hodes.
- February/1992–June/1994 Visiting Scientist Fogarty at Immune Regulation Section NCI/DCBDC/EIB, Head Dr R.J. Hodes.

• **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

- 2017 the lab of Immunology of Prof. Pucillo at the Department of Medicine of University of Udine counts 3 PostDoc, 1 Technician, 3 Ph.D. Students, and 1 post-graduate student and 2 Bachelor students.
- 2000–2017 Past members of Pucillo's lab at the University of Udine are 12 PostDoc, 14 Ph.D. students, 22 Postgraduate students, and 30 bachelor students

• **TEACHING ACTIVITIES**

- 1990 – present Full Professor – teaching at University of Udine
- Immunology at Medical School

- General Pathology at Medical School
- Novel approaches to cancer immunotherapy at School of advanced studies of University of Udine
- Immunology at Bachelor's degree course in Obstetrics
- Immunology at Bachelor's degree course in Laboratory Technician
- General Pathology at Bachelor's degree course in medical radiology
- Immunology of organ transplantation at Master's degree course in Biotechnology
- Mucosal Immunity at Master's degree course in Molecular Biotechnology

2014 at present Guest Professor – University Paris Diderot (Paris VII)

- Role of Mast cell in physiology and pathology at Master's degree II level course in Inflammex

• **ORGANISATION OF SCIENTIFIC EVENTS**

- 2014 Scientific Committee SIICA 2014 - IX National Conference of the Italian Society of Immunology, Florence Italy
- 2013 Scientific Committee 15th International Congress of Immunology (ICI)
- 2013 President, local organizer of European Mast cell and Basophil Research Network (EMBRN) congress Udine
- 2011 Scientific Committee of Joint Annual Meeting SIICA – DGfL. Riccione, Italy
- 2010 Scientific Committee of 7th SIICA National Conference meeting in Bari,
- 2007 Local organizer and Scientific Committee of GCI meeting in Udine, Italy

• **INSTITUTIONAL RESPONSIBILITIES**

- 1994–at present **Faculty member**, University of Udine, Italy
- 2003–at present **Board of teachers** and supervisor at the PhD program in Biomedical Sciences and Biotechnology, University of Udine
- 2003–2006 **Deputy director** – Department of Biomedical Science and Technology - University of Udine, Italy
- 2000–2010 **Scientific coordinator** and deputy director of Center of Excellence M.A.T.I - University of Udine, Italy
- 2013–at present **Board member** of Committee on Research of University of Udine, Italy
- 2003–2006 **Deputy Head** of the Department of Biomedical Science and Technology at University of Udine, Italy
- 2001–2010 **Deputy Head** of Center of Excellence of University of Udine
- 2013–2016 **Research Delegate** for the Department of Medical and Biological Sciences, and Department of Medicine - University of Udine, Italy
- 2017–July 2021 **Head of the evaluation team** of the University of Udine

• **COMMISSIONS OF TRUST**

- 2010–at present **Member** of Life Science Working Group (LSWG) – European Space Agency
- 2015–at present **Scientific Advisory Board** member of European Mast Cell and Basophil Research Network
- 2008–2014 **Board** of Italian Society of Immunology (SIICA)
- 2015–at present **Editorial Board** of European Journal of Immunology
- 2006–at present **Review panel member** for DFG Priority Programme “Mast Cells – Promoters of Health and Modulators of Disease”
- 2014–at present **Review Panel for NASA projects** – USA; ESA- EU; Cancer Research UK; INSERM- France; KWF Kankerbestrijding – The Netherlands.

• **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 1993–at present Italian Society of Immunology (SIICA)
- 1994–2006 Member of American Association of Immunologists

- **MAJOR COLLABORATIONS**

- Mario P. Colombo, Molecular Immunology Unit Department of Experimental Oncology and Molecular Medicine, Fondazione Istituto di Ricovero e Cura a Carattere Scientifico (IRCCS) Istituto Nazionale dei Tumori, Milan, Italy Topic: cancer immunology
- Claudio Tripodo, Tumor Immunology Unit, Department of Health Sciences, University of Palermo, Palermo, Italy. Topic: mast cell and solid tumor
- Juan Rivera Laboratory of Molecular Immunogenetics, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, Md. Topic: signal transduction in MCs

Alumni of Immunology Lab and current position

Prof. Gianluca Tell: full professor of Molecular Biology at the University of Udine

Prof. Antonio Leonardi: full professor of General Pathology at University of Naples "Federico II"

Prof. Barbara Frossi: Tenure track - Assistant Professor of General Pathology at the University of Udine

Dott. Riccardo Sibilano: Associate Director, Medical Affairs at Exelixis San Francisco Bay Area, Stati Uniti

Dott. Luca Danelli: Associate Editor Nature

Dott. Marco De Zuani. Postdoctoral Researcher at St. Anne's University Hospital Brno District Brno-City, Repubblica Ceca

Principali lavori in estenso su riviste con comitato editoriale

Prof. Pucillo' papers have been published on high impact (**total IF 610**) journals **cited 6100** times, which have allowed obtaining an **h-index** of 39.

1. Sulsenti R, Frossi B, Bongiovanni L, Cancila V, Ostano P, Fischetti I, Enriquez C, Guana F, Chiorino G, Tripodo C, Pucillo CE, Colombo MP, Jachetti E. Repurposing of the Antiepileptic Drug Levetiracetam to Restrain Neuroendocrine Prostate Cancer and Inhibit Mast Cell Support to Adenocarcinoma. *Front Immunol.* 2021 Mar 2;12:622001. doi: 10.3389/fimmu.2021.622001. (IF: 5,085)
2. Tonon S, Martinis E, Pucillo CEM, Mion F. il-10 Gene Locus DNA Methylation in Regulatory B Cells. *Methods Mol Biol.* 2021;2270:323-339. (IF: 10,71)
3. Mion F, Martinis E, Pucillo CEM, Tonon S. Purification of Murine and Human IL-10-Producing B Cells from Different Anatomical Compartments. *Methods Mol Biol.* 2021;2270:61-76. (IF: 10,71)
4. Valeri V, Tonon S, Vibhushan S, Gulino A, Belmonte B, Adori M, Karlsson Hedestam GB, Gautier G, Tripodo C, Blank U, Mion F, Pucillo CEM. Mast cells crosstalk with B cells in the gut and sustain IgA response in the inflamed intestine. *Eur J Immunol.* 2021 Feb;51(2):445-458. (IF: 4,179)
5. Pucillo, C., Vitale, G. Crossroads between immune responses and physiological regulation: Metabolic control of resistance versus tolerance against disease *Eur J Immunol.* 2020 Apr;50(4):484-489 (IF: 4,179)
6. De Biasi, S., Lo Tartaro, D., Meschiari, M., et al. Expansion of plasmablasts and loss of memory B cells in peripheral blood from COVID-19 patients with pneumonia. *Eur J Immunol.* 2020 Sep;50(9):1283-1294. (IF: 4,179)
7. Cossarizza A, et al. J. Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *Eur J Immunol.* 2019 Oct;49(10):1457-1973.
8. Codrich M, Comelli M, Malfatti MC, Mio C, Ayyildiz D, Zhang C, Kelley MR, Terrosu G, Pucillo CEM, Tell G. Inhibition of APE1-endonuclease activity affects DNA Repair (Amst). 2019 Oct;82:102675. doi: 10.1016/j.dnarep.2019.10267
9. Tonon S, Mion F, Dong J, Chang H-D, Dalla E, Scapini P, Perruolo, G Zanello A, Dugo M, Cassatella MA, Colombo MP, Radbruch A and Pucillo CE. Cells competent for IL-10 production are characterized by a specific methylation signature" *Eur J Immunol.* 2019 Apr 29. doi: 10.1002/eji.201848025
10. Jachetti E, D'Inca F, Danelli L, Magris R, Dal Secco C, Vit F, Cancila V, Tripodo C, Scapini P, Colombo MP, Pucillo C, Frossi B. Frontline Science: Mast cells regulate neutrophil homeostasis by influencing macrophage clearance activity. *J Leukoc Biol.* 2019 Apr;105(4):633-644. (IF: 4.289)
11. Frossi B, Antoniali G, Yu K, Akhtar N, Kaplan MH, Kelley MR, Tell G, Pucillo CEM. Endonuclease and redox activities of human apurinic/aprimidinic endonuclease 1 have distinctive and essential functions in IgA class switch recombination. *J Biol Chem.* 2019 Mar 29;294(13):5198-5207. (IF: 4.010)
12. De Zuani M, Paolicelli G, Zelante T, Renga G, Romani L, Arzese A, Pucillo CEM, Frossi B. Mast Cells Respond to *Candida albicans* Infections and Modulate Macrophages Phagocytosis of the Fungus. *Front Immunol.* 2018 Nov 30; 9:2829. (IF: 5.511)
13. Renga G, Moretti S, Oikonomou V, Borghi M, Zelante T, Paolicelli G, Costantini C, De Zuani M, Vilella VR, Raia V, Del Sordo R, Bartoli A, Baldoni M, Renaud JC, Sidoni A, Garaci E, Maiuri L, Pucillo C, Romani L. IL-9 and Mast Cells Are Key Players of *Candida albicans* Commensalism and Pathogenesis in the Gut. *Cell Rep.* 2018 May 8;23(6):1767-1778. (IF: 8.282)
14. Jachetti E, Cancila V, Rigoni A, Bongiovanni L, Cappetti B, Belmonte B, Enriquez C, Casalini P, Ostano P, Frossi B, Sangaletti S, Chiodoni C, Chiorino G, Pucillo CE, Tripodo C, Colombo MP. Cross-Talk between Myeloid-Derived Suppressor Cells and Mast Cells Mediates Tumor-Specific Immunosuppression in Prostate Cancer. *Cancer Immunol Res.* 2018 Mar 9. pii: canimm.0385.2017. (IF: 8.284)

15. Maurer M, Pucillo C. What we know (and don't know) about the biology and functions of mast cells and basophils. *Immunol Rev.* 2018 Mar;282(1):5-7. (IF: 9.614)
16. Rigoni A, Colombo MP and Pucillo CE Mast cells, basophils and eosinophils: from allergy to cancer 2018 Seminars in Immunology (in press) (IF: 7.604)
17. Frossi B, Mion F, Sibilano R, Danelli R, and Pucillo C Is it time for a new classification of mast cells? What do we know about mast cell heterogeneity? *Immunological Reviews.* 2018;1–12 (IF: 9.614)
18. Cossarizza A, Chang HD, et al. Guidelines for the use of flow cytometry and cell sorting in immunological studies. *Eur J Immunol.* 2017 Oct;47(10):1584-1797 (IF: 4,179)
19. Mion F, Vetrano S, Tonon S, Valeri V, Piontini A, Burocchi A, Petti L, Frossi B, Gulino A, Tripodo C, Colombo MP and Pucillo CE Reciprocal influence of B cells and tumor macro and microenvironments in the *Apc^{Min/+}* model of colorectal cancer. 2017 *Oncoimmunology* (IF:7,6)
20. Frossi B, Mion F, Tripodo C, Colombo MP and Pucillo CE Rheostatic functions of mast cells in the control of innate and adaptive immune responses *Trends In Imm.* 2017 in press (IF:11,6)
21. Moretti S, Renga G, Oikonomou V, Galosi C, Pariano M, Iannitti RG, Borghi M, De Zuani M, Pucillo CE, Paolicelli G, Zelante T, Renauld J-C, Bereshchenko O, Sportoletti P, Lucidi V, Russo MC, Colombo C, Fiscarelli E, Lass-Flörl C, Majo F, Ricciotti G, Ellemunter H, Ratclif L, Talesa VN, Napolioni V and Romani L. A Mast Cells/ILC2/Th9 pathway promotes lung inflammation in Cystic Fibrosis, *Nat Commun.* 2017 Jan 16;8:14017. (IF:11,329)
22. Frossi B, Tripodo C, Guarnotta C, Carroccio A, De Carli M, De Carli S, Marino M, Calabrò A, Pucillo C. Mast cells are associated with the onset and progression of celiac disease. *J Allergy Clin Immunol.* 2017 Apr;139(4):1266-1274 (IF: 12,485)
23. Frossi B, Mion F, Pucillo C. Deciphering new mechanisms on T-cell costimulation by human mast cells. *Eur J Immunol.* 2016 May;46(5):1105-8. doi: 10.1002/eji.201646390. (IF: 4,179)
24. Frossi B, De Carli S, Bossi F, Pucillo C, De Carli M. Co-Occurrence of Chronic Spontaneous Urticaria with Immunoglobulin A Deficiency and Autoimmune Diseases. *Int Arch Allergy Immunol.* 2016;169(2):130-4. (IF: 2,389)
25. Betto E, Usuelli V, Mandelli A, Badami E, Sorini C, Capolla S, Danelli L, Frossi B, Guarnotta C, Ingraio S, Tripodo C, Pucillo C, Gri G, Falcone M. Mast cells contribute to autoimmune diabetes by releasing interleukin-6 and failing to acquire a tolerogenic IL-10(+) phenotype. *Clin Immunol.* 2015 Dec 27. pii: S1521-6616(15)30082-6. (IF: 4,034)
26. Danelli L, Frossi B, Pucillo CE. Mast cell/MDSC a liaison immunosuppressive for tumor microenvironment. *Oncoimmunology.* 2015 Mar 24;4(4) (IF: 7,644)
27. Mekori YA, Hershko AY, Frossi B, Mion F, Pucillo CE. Integrating innate and adaptive immune cells: Mast cells as crossroads between regulatory and effector B and T cells. *Eur J Pharmacol.* 2015 May 5;778:84-9. (IF: 2,730)
28. D'Inca F, Pucillo CE. Exosomes: tiny clues for mast cell communication. *Front Immunol.* 2015 Feb 18;6:73. doi: 10.3389/fimmu.2015.00073. eCollection 2015. (IF: 5,695)
29. Danelli L, Frossi B, Gri G, Mion F, Guarnotta C, Bongiovanni L, Tripodo C, Mariuzzi L, Marzinotto S, Rigoni A, Blank U, Colombo MP, Pucillo CE. Mast cells boost myeloid-derived suppressor cell activity and contribute to the development of tumor-favoring microenvironment. *Cancer Immunol Res.* 2015 Jan;3(1):85-95. (IF: 8.284)
30. Mion F, D'Inca F, Danelli L, Toffoletto B, Guarnotta C, Frossi B, Burocchi A, Rigoni A, Gerdes N, Lutgens E, Tripodo C, Colombo MP, Rivera J, Vitale G, Pucillo CE. Mast cells control the expansion and differentiation of IL-10-competent B cells. *J Immunol.* 2014 Nov 1;193(9):4568-79. (IF: 4,985)
31. Rigoni A, Colombo MP, Pucillo C. The Role of Mast Cells in Molding the Tumor Microenvironment. *Cancer Microenviron.* 2015 Dec;8(3):167-76.
32. Mion F., Tonon S; Toffoletto B; Cesselli D, Pucillo C*, Vitale G*. : IL-10 production by B cells is differentially regulated by immune-mediated and infectious stimuli and requires p38 activation *Mol Imm* 2014 62(2):266-76. (IF:3,375)

*co-last name

33. Sibilano R., Frossi B., Pucillo CE A complex interplay of positive and negative signaling pathways in mast cell activation. *Eur J. Immunol* 2014 44(9):2558-66 (IF: 4,179)
34. Sibilano R, Pucillo C, Frossi B. Modulation of FcεRI-dependent mast cell response by OX40L. *Methods Mol Biol.* 2014;1155:23-30.
35. Sibilano R, Pucillo CE, Gri G. Allergic responses and aryl hydrocarbon receptor novel pathway of mast cell activation. *Mol Immunol.* 2014 Mar 18. pii:S0161-5890(14)00049-2. (IF: 3,375)
36. Franco G, Guarnotta C, Frossi B, Piccaluga PP, Boveri E, Gulino A, Fuligni F, Rigoni A, Porcasi R, Buffa S, Betto E, Florena AM, Franco V, Iannitto E, Arcaini L, Pileri SA, Pucillo C, Colombo MP, Sangaletti S, Tripodo C. Bone marrow stroma CD40 expression correlates with inflammatory mast cell infiltration and disease progression in splenic marginal zone lymphoma. *Blood.* 2014 Mar 20;123(12):1836-49 (IF: 11,841)
37. Pignatti P, Frossi B, Pala G, Negri S, Oman H, Perfetti L, Pucillo C, Imbriani M, Moscato G. Oxidative activity of ammonium persulfate salt on mast cells and basophils: implication in hairdressers' asthma. *Int Arch Allergy Immunol.*2013;160(4):409-19 (IF: 2,389)
38. Giunta M, Pucillo C. BCR-ABL rearrangement and HLA antigens: a possible link to leukemia pathogenesis and immunotherapy. *Rev Bras Hematol Hemoter.* 2012;34(5):323-4. doi: 10.5581/1516-8484.20120082.
39. Vitale G, Pucillo CE. New roots for IgE-producing B cells. *Cell Mol Immunol.* 2012 Jun 11. doi: 10.1038/cmi.2012.14. [Epub ahead of print] PubMed PMID: 22684126. (IF: 5,193)
40. Gri G, Frossi B, D'Inca F, Danelli L, Betto E, Mion F, Sibilano R, Pucillo C. Mast cell: an emerging partner in immune interaction. *Front Immunol.* 2012;3:120. (IF: 5,695)
41. Sibilano R, Frossi B, Calvaruso M, Danelli L, Betto E, Dall'agnese A, Tripodo C, Colombo MP, Pucillo CE, Gri G. The aryl hydrocarbon receptor modulates acute and late mast cell responses. *J Immunol.* 2012 Jul 1;189(1):120-7. (IF: 4,985)
42. Sibilano R, Frossi B, Suzuki R, D'Inca F, Gri G, Piconese S, Colombo MP, Rivera J, Pucillo CE. Modulation of FcεRI-dependent mast cell response by OX40L via Fyn, PI3K, and RhoA. *J Allergy Clin Immunol.* 2012 Sep;130(3):751-760. (IF: 12,485)
43. Bossi F, Frossi B, Radillo O, Cugno M, Tedeschi A, Riboldi P, Asero R, Tedesco F, Pucillo C. Mast cells are critically involved in serum-mediated vascular leakage in chronic urticaria beyond high-affinity IgE receptor stimulation. *Allergy.* 2011 Dec;66(12):1538-45. (IF: 6,335)
44. Sibilano R, Gri G, Frossi B, Tripodo C, Suzuki R, Rivera J, MacDonald AS, Pucillo CE. Technical advance: soluble OX40 molecule mimics regulatory T cell modulatory activity on FcεRI-dependent mast cell degranulation. *J Leukoc Biol.* 2011 Oct;90(4):831-8. (IF: 4,165)
45. Frossi B, D'Inca F, Crivellato E, Sibilano R, Gri G, Mongillo M, Danelli L, Maggi L, Pucillo CE. Single-cell dynamics of mast cell-CD4+ CD25+ regulatory T cell interactions. *Eur J Immunol.* 2011 Jul;41(7):1872-82. (IF: 4,179)
46. Mimmi MC, Picotti P, Corazza A, Betto E, Pucillo CE, Cesaratto L, Cedolini C, Londero V, Zuiani C, Bazzocchi M, Esposito G. High-performance metabolic marker assessment in breast cancer tissue by mass spectrometry. *Clin Chem Lab Med.* 2011 Feb;49(2):317-24 (IF: 3,017)
47. Vitale G, Mion F, Pucillo C. Regulatory B cells: evidence, developmental origin and population diversity. *Mol Immunol.* 2010 Nov-Dec;48(1-3):1-8. (IF: 3,375)
48. Tripodo C, Gri G, Piccaluga PP, Frossi B, Guarnotta C, Piconese S, Franco G, Vetri V, Pucillo CE, Florena AM, Colombo MP, Pileri SA. Mast Cells and Th17 Cells Contribute to the Lymphoma-Associated Pro-Inflammatory Microenvironment of Angioimmunoblastic T-Cell Lymphoma. *Am J Pathol.* 2010 Aug;177(2):792-802 (IF: 4,206)
49. Frossi B, Gri G, Tripodo C, Pucillo C. Exploring a regulatory role for mast cells: 'MCregs'? *Trends Immunol.* 2010 Mar;31(3):97-102. (IF:11,433)
50. Merluzzi S, Frossi B, Gri G, Parusso S, Tripodo C, Pucillo C. Mast cells enhance proliferation of B lymphocytes and drive their differentiation towards IgA-secreting plasma cells. *Blood.* 2010 Apr 8;115(14):2810-7 (IF: 11,841)
51. Tripodo C, Iannitto E, Florena A.M., Pucillo C, Piccaluga PP, Franco V and Pileri SA. Gamma-delta T-cell Lymphomas *Nat Rev Clin Oncol.* 2009 Dec;6(12):707-17. (IF:18,786)

52. Piconese S., Gri G, Tripodo C, Musio S, Gorzanelli A, Frossi B, Pedotti R, Pucillo C* and Colombo M Mast cells counteract regulatory T cell suppression through interleukin-6 and OX40/OX40L axis toward Th17 cell differentiation. *Blood*. 2009 Sep 24;114(13):2639-48. (IF: 11,841) *Corresponding author
53. Bossi F, Rizzi L, Bulla R, Debeus A, Tripodo C, Picotti P, Betto E, Macor P, Pucillo C, Würzner R, Tedesco F. C7 is expressed on endothelial cells as a trap for the assembling terminal complement complex and may exert anti-inflammatory function. *Blood*. 2009 Apr 9;113(15):3640-8. (IF: 11,841)
54. Gri G, Piconese S, Frossi B, Manfroi V, Merluzzi S, Tripodo C, Viola A, Odom S, Rivera J, Colombo MP, Pucillo CE. CD4+CD25+ regulatory T cells suppress mast cell degranulation and allergic responses through OX40-OX40L interaction. *Immunity*. 2008 Nov;29(5):771-81. (IF: 24,841)
55. Merluzzi S, Gri G, Gattei V, Pagano M, Pucillo C. APE/Ref-1 makes fine-tuning of CD40-induced B cell proliferation. *Mol Immunol*. 2008 Aug;45(14):3731-9. (IF:3,375)
56. Arcidiacono D, Odom S, Frossi B, Rivera J, Paccani SR, Baldari CT, Pucillo C, Montecucco C, de Bernard M. The *Vibrio cholerae* cytotoxin promotes activation of mast cell (T helper 2) cytokine production. *Cell Microbiol*. 2008 Apr;10(4):899-907. (IF:4,460)
57. D'Orlando O, Gri G, Cattaruzzi G, Merluzzi S, Betto E, Gattei V, Pucillo C. Outside inside signalling in CD40-mediated B cell activation. *J Biol Regul Homeost Agents*. 2007;21(3-4):49-62. (IF:2,046)
58. Gennaro Esposito, Stefano Ricagno, Alessandra Corazza, Enrico Rennella, Devrim Gümräl, Maria Chiara Mimmi, Elena Betto, Carlo E.M. Pucillo, Federico Fogolari, Paolo Viglino, Sara Raimondi, Sofia Giorgetti, Benedetta Bolognesi, Giampaolo Merlini, Monica Stoppini, Martino Bolognesi and Vittorio Bellotti. The controlling roles of Trp60 and Trp95 in β -microglobulin function, folding and amyloid aggregation properties *J Mol Biol* 2008. 9; 378(4):887-897. (IF:4,517)
59. Frossi B., de Carli M., Piemonte M., Pucillo C. (2008) Oxidative stress exerts an opposite regulatory effect on cytokine production by Th1 and Th2 human T cells, 2008. *Mol. Immunol* 45(1):58-64. (IF:3,375)
60. Merluzzi S., D'Orlando O., Leonardi A., Vitale G. and Carlo Pucillo TRAF2 and p38 are involved in B cells CD40-mediated APE/Ref-1 nuclear translocation: a novel pathway in B cell activation 2008. *Mol. Immunol*; 45(1):76-86. (IF:3,375)
61. Cattaruzzi G., Altamura S., Tessari M., Fustighi A., Giancotti V., Pucillo C. and Manfioletti G. 2007 The second AT-hook of the architectural transcription factor HMG2 is determinant for nuclear localization. *Nucleic Acids Res*. 35(6):1751-60. (IF:9,202)
62. Frossi B., Hirsh E., Rivera J. and Pucillo C. 2007 Selective Activation of Fyn/PI3K and p38 MAPK Regulates IL-4 Production in BMMC under Nontoxic Stress Condition. *J. Immunol*; 178 (4): 2549-55. (IF: 4,985)
63. Alverdi V, Di Pancrazio F, Lippe G, Pucillo C, Casetta B, Esposito G. 2005. Determination of protein phosphorylation sites by mass spectrometry: a novel electrospray-based method. *Rapid Commun Mass Spectrom.*; 19(22):3343-8. (IF: 2,226)
64. Zucchetto A, Sonogo P, Degan M, Bomben R, Dal Bo M, Russo S, Attadia V, Rupolo M, Buccisano F, Steffan A, Del Poeta G, Pucillo C, Colombatti A, Campanini R, Gattei V. 2005. Surface-antigen expression profiling (SEP) in B-cell chronic lymphocytic leukemia (B-CLL): Identification of markers with prognostic relevance. *J Immunol Methods*. ;305(1):20-32. (IF: 1,858)
65. Zucchetto A, Sonogo P, Degan M, Bomben R, Dal Bo M, Russo S, Attadia V, Rupolo M, Buccisano F, Del Principe MI, Del Poeta G, Pucillo C, Colombatti A, Campanini R, Gattei V. 2005. Signature of B-CLL with different prognosis by Shrunken centroids of surface antigen expression profiling. *J Cell Physiol*. ;204(1):113-23. (IF: 4,155)
66. Degan M, Rupolo M, Bo MD, Stefanon A, Bomben R, Zucchetto A, Canton E, Berretta M, Nanni P, Steffan A, Ballerini PF, Damiani D, Pucillo C, Attadia V, Colombatti A, Gattei V. 2004. Mutational status of IgVH genes consistent with antigen-driven selection but not percent of

- mutations has prognostic impact in B-cell chronic lymphocytic leukemia. *Clin Lymphoma*. 5(2):123-6. (continued as *Clinical Lymphoma Myeloma and Leukemia*) (IF: 2,559)
67. Degan M, Bomben R, Bo MD, Zucchetto A, Nanni P, Rupolo M, Steffan A, Attadia V, Ballerini PF, Damiani D, Pucillo C, Poeta GD, Colombatti A, Gattei V. 2004. Analysis of IgV gene mutations in B cell chronic lymphocytic leukaemia according to antigen-driven selection identifies subgroups with different prognosis and usage of the canonical somatic hypermutation machinery. *Br J Haematol.*; 126(1):29-42. (IF: 5,812)
 68. Altomonte M, Visintin A, Tecce R, Leonardi A, Calabro L, Fonsatti E, Pucillo C, Maio M. 2004. Targeting of HLA-DR molecules transduces agonistic functional signals in cutaneous melanoma. *J Cell Physiol.*; 200(2):272-6. (IF: 4,155)
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