



Curriculum Vitae Europass

Informazioni personali

Cognome Nome **Gismondi Angela**

Data di nascita

Qualifica Professore Ordinario (MED/46) dal 2001

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Incarico Attuale Professore Ordinario presso la Facoltà di Farmacia e Medicina "Sapienza" Università di Roma
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Titoli di Studio e Professionali ed Esperienze Lavorative

Titolo di Studio Laurea in Farmacia

Altri titoli di Studio e Professionali Dottorato in Medicina Sperimentale
Ricercatore Universitario "Sapienza" Università di Roma
Premio Sapienza Ricerca 2009

Esperienze professionali (incarichi ricoperti) Coordinatore del Corso integrato di Immunologia e Immunopatologia del corso di Laurea Magistrale in Medicina e Chirurgia CLB
Coordinatore del Corso integrato di Basi Fisiopatologiche delle Malattie per le Professioni Sanitarie "Tecnici di Laboratorio Biomedico", sede San Camillo Forlanini, Facoltà di Farmacia e Medicina, Sapienza Università di Roma.

Responsabilità scientifica per progetti di ricerca internazionali e nazionali, ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari

PRIN 2002: Identificazione di nuovi bersagli farmacologici per il controllo di patologie infiammatorie e autoimmuni. Durata: 24 mesi; Ruolo: Responsabile Unità
PRIN 2004: Identificazione di nuovi bersagli farmacologici per il controllo di patologie infiammatorie e autoimmuni. Durata: 24 mesi; Ruolo: Responsabile Unità
PRIN 2006: Identificazione di nuovi bersagli farmacologici per il controllo di patologie infiammatorie e autoimmuni. Durata: 24 mesi; Ruolo: Responsabile Unità
PRIN 2008: Identificazione di nuovi bersagli farmacologici per il controllo di patologie infiammatorie e autoimmuni. Durata: 24 mesi; Ruolo: Responsabile Unità
PRIN 2010-11: La risposta infiammatoria della cute ad agenti infettivi e danno tissutale: analisi trascrittomica, post-trascrittomica e studi funzionali a livello della singola cellula. Acronimo: SKINFLAM. Durata: 36 mesi; Timeline 2013-2016. Ruolo: Responsabile Unità
University project 2015-2016: "Phenotypical and functional characterization of human BM and PB NK cell subsets in pediatric normal donors and patients with haematological malignancies after HSC transplantation" (C26A15R7M3). University of Rome "La Sapienza". Ruolo: Responsabile Unità.

AIRC 2014-2016: Investigator Grant from the Italian Association for Cancer Research: Role of Bone Marrow microenvironment in shaping NK cell maturation and effector functions in Multiple Myeloma (AIRC 16014). Ruolo: Partecipante

AIRC 2010-2017: Special Program Molecular Clinical Oncology 5 per mille (AIRC 5xmille): "Innate Immunity in Cancer (IIC). Molecular targeting and cellular therapy" (Code 9962). Ruolo: Partecipante

Capacità linguistiche Inglese parlato e scritto

Altro **Principali Pubblicazioni scientifiche Gismondi A.**

1. BERNARDINI G, VULPIS E, BONANNI V, STABILE H, RICCIARDI MR, PETRUCCI MT, GISMONDI A, SANTONI A, ZINGONI A. (2017) High expression levels of IP10/CXCL10 are associated with modulation of the natural killer cell compartment in multiple myeloma. *Leuk Lymphoma* 28:1-4. Doi: 10.1080/10428194.2017.1295144.
2. CIFALDI L, PINTO RM, RANA I, CANIGLIA M, ANGIIONI A, PETROCCHI S, CANCRINI C, CURSI L, PALUMBO G, ZINGONI A, GISMONDI A, ROSSI P, SANTONI A, CERBONI C. (2016) NK cell effector functions in a Chédiak-Higashi patient undergoing cord blood transplantation: Effects of in vitro treatment with IL-2. *Immunol Lett.* 180:46-53. doi: 10.1016/j.imlet.2016.10.009.
3. FRANZESE O, PALERMO B, DI DONNA C, SPERDUTI I, FERRARESI V, STABILE H, GISMONDI A, SANTONI A, NISTICÒ P. (2016). Polyfunctional Melan-A-specific tumor-reactive CD8+ T cells elicited by dacarbazine treatment before peptide-vaccination depends on AKT activation sustained by ICOS. *ONCOIMMUNOLOGY*, ISSN: 2162-4011, doi: DOI: 10.1080/2162402X.2015.1114203
4. AMANTINI C, MORELLI MB, NABISSI M, CARDINALI C, SANTONI M, GISMONDI A, SANTONI G (2016). Capsaicin triggers autophagic cell survival which drives epithelial mesenchymal transition and chemoresistance in bladder cancer cells in an Hedgehog-dependent manner. *ONCOTARGET*, ISSN: 1949-2553. Doi:10.18632/oncotarget.10326
5. GISMONDI A, STABILE H, NISTI P, SANTONI A. (2015). Effector Functions of Natural Killer Cell Subsets in the Control of Hematological Malignancies. *Front Immunol.* 6:567. doi: 10.3389/fimmu.2015.00567.
6. STABILE H, NISTI P, PAGLIARA D, LOCATELLI F, SANTONI A, GISMONDI A. (2015). Response to comment on Multifunctional human CD56low CD16low NK cells are the prominent subset in bone marrow of both pediatric healthy donors and leukemic patients. *Haematologica.* 100(8):e332-3. doi: 10.3324/haematol.2015.130831.
7. STABILE H, NISTI P, MORRONE S, PAGLIARA D, BERTAINA A, LOCATELLI F, SANTONI A, GISMONDI A. (2015) Multifunctional human CD56low CD16low natural killer cells are the prominent subset in bone marrow of both healthy pediatric donors and leukemic patients. *Haematologica.* 100(4):489-98. doi: 10.3324/haematol.2014.116053.
8. GALLI FILIPPO, RAPISARDA ANNA SERAFINA, STABILE MARIA HELENA, MALVIYA GAURAV, MANNI ISABELLA, BONANNO ELENA, PIAGGIO GIULIA, GISMONDI ANGELA, SANTONI ANGELA, SIGNORE ALBERTO (2015). In Vivo Imaging of Natural Killer Cell Trafficking in Tumors. *The Journal of Nuclear Medicine*, vol.56, p. 1575-80-1580, ISSN: 0161-5505, doi: 10.2967/jnumed.114.152918
9. MORELLI MB, AMANTINI C, NABISSI M, LIBERATI S, CARDINALI C, FARFARIELLO V, TOMASSONI D, QUAGLIA W, PIERGENTILI A, BONIFAZI A, DEL BELLO F, SANTONI M, MAMMANA G, SERVI L, FILOSA A, GISMONDI A, SANTONI G. (2014) Cross-talk between alpha1D-adrenoceptors and transient receptor potential vanilloid type 1 triggers prostate cancer cell proliferation. *BMC Cancer.* 14:921. doi: 10.1186/1471-2407-14-921.
10. SEEGER P, BOSISIO D, PAROLINI S, BADOLATO R, GISMONDI A, SANTONI A, SOZZANI S.

- (2014) Activin A as a mediator of NK-dendritic cell functional interactions. *J Immunol.*192(3):1241-8. doi: 10.4049/jimmunol.1301487.
11. BERNARDINI G, GISMONDI A, SANTONI A. (2012). Chemokines and NK cells: Regulators of development, trafficking and functions.. *Immunology Letters*, vol. 145, p. 39-46, ISSN: 0165-2478, doi:10.1016/j.imlet.2012.04.014
12. CLAUDIA CARLINO, * ELEONORA TROTTA, * HELENA STABILE, STEFANIA MORRONE, ROBERTA BULLA, ALESSANDRA SORIANI, MARIA LUISA IANNITTO, CHIARA AGOSTINIS, CARLO MOCCI, MASSIMO MINOZZI, CESARE ARAGONA, GIORGIA PERNIOLA, FRANCESCO TEDESCO, SILVANO SOZZANI, ANGELA SANTONI, AND ANGELA GISMONDI (2012). Chemerin Regulates NK Cell Accumulation and Endothelial Cell Morphogenesis in the Decidua during Early Pregnancy. *The Journal of Clinical Endocrinology & Metabolism*, vol. 97, p. 1-10, ISSN:1945-7197, doi: 10.1210/jc.2012-1102
13. CAPRODOSSI S, AMANTINI C, NABISSI M, MORELLI MB, FARFARIELLO V, SANTONI M, GISMONDI A, SANTONI G (2011). Capsaicin promotes a more aggressive gene expression phenotype and invasiveness in null-TRPV1 urothelial cancer cells. *Carcinogenesis*. *Carcinogenesis*, vol. 32, p. 686-694, ISSN: 0143-3334, doi: 10.1093/carcin/bgr025
14. NIKITINA L, AHAMMER H, BLASCHITZ A, GISMONDI A, GLASNER A, SCHIMEK MG, DOHR G, SEDLMAYR P (2011). A new method for morphometric analysis of tissue distribution of mobile cells in relation to immobile tissue structures. *PLOS ONE*, vol. 6, ISSN: 1932-6203, doi: 10.1371/journal.pone.0015086
15. STABILE H, CARLINO C, MAZZA C, GILIANI S, S. MORRONE, NOTARANGELO LD, NOTARANGELO LD, SANTONI A, GISMONDI A (2010). Impaired NK-cell migration in WAS/XLT patients: role of Cdc42/WASp pathway in the control of chemokine-induced beta2 integrin high-affinity state. *Blood*, vol. 115, p. 2818-2826, ISSN: 0006-4971, doi: 10.1182/Blood-2009-07-235804
16. 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. (2010). An alternative role of C1q in cell migration and tissue remodeling: contribution to trophoblast invasion and placental development. *Journal of Immunology*, vol. 185, p. 4420-4429, ISSN: 0022-1767, doi:10.4049/jimmunol.0903215
17. GISMONDI A, G. BERNARDINI, SANTONI A (2009). NK cells and chemokines. In: MICHAEL T. LOTZE AND ANGUS W. THOMSON. *Natural Killer Cells*. p. 203-214, Elsevier Science and Technology Book, ISBN: 9780123704542
18. A. GISMONDI, C CARLINO, H STABILE, SANTONI A (2009). NK cell and endothelial cell interactions. In: Lotze MT And Thomson AW. *Natural Killer Cells*. p. 279-286, Elsevier, ISBN: 9780123704542
19. CARLINO C, STABILE H, MORRONE S, BULLA R, SORIANI A, AGOSTINIS C, BOSSI F, MOCCI C, SARAZANI F, TEDESCO F, A. SANTONI, GISMONDI A (2008). Recruitment of circulating NK cells through decidual tissues: a possible mechanism controlling NK cell accumulation in the uterus during early pregnancy.. *BLOOD*, vol. 111(6), p. 3108-3115, ISSN: 0006-4971, doi:10.1182/blood-2007-08-105965
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21. SANTONI A, CARLINO C, A. GISMONDI (2008). Uterine NK cell development, migration and function. *Reproductive Biomedicine Online*, vol. 16, p. 202-210, ISSN: 1472-6483, doi:10.1016/S1472-6483(10)60575-5
22. SANTONI A, ZINGONI A, CERBONI C, A GISMONDI (2007). Natural killer (NK) cells from killers to regulators: distinct features between peripheral blood and decidual NK cells. *American Journal of Reproductive Immunology*, vol. 58, p. 280-288, ISSN: 1046-7408, doi:10.1111/j.1600-0897.2007.00513.
23. NICOLUSSI A, D'INZEO S, A. GISMONDI, COPPA A (2006). Reduction of invasive potential in K-ras-transformed thyroid cells by restoring of TGF-beta pathway. *Clinical & Experimental Metastasis*, vol. 23, p. 237-248, ISSN: 0262-0898, doi: 10.1007/s10585-006-9023-0

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28. A. GISMONDI, JACOBELLI J, STRIPPOLI R, MAINIERO F, SORIANI A, CIFALDI L, PICCOLI M, FRATI L, SANTONI A (2003). Proline-rich tyrosine kinase 2 and rac activation by chemokine and integrin receptors controls NK cell transendothelial migration. *Journal of Immunology*, vol. 170, p.3065-3073, ISSN: 0022-1767
29. SANTONI G., LUCCIARINI R., AMANTINI C., JACOBELLI J., SPREGHINI R., BALLARINI P., M. PICCOLI, GISMONDI A. (2002). *Candida albicans* expresses a focal adhesion kinase-like protein that undergoes increased tyrosine phosphorylation upon yeast cell adhesion to vitronectin and the EA.hy 926 human endothelial cell line. *Infection and Immunity*, vol. 70, p. 3804-3815, ISSN: 0019-9567, doi: 10.1128/IAI.70.7.3804-3815.2002
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32. GISMONDI A, JACOBELLI J, MAINIERO F, PAOLINI R, PICCOLI M, FRATI L, SANTONI A. (2000). Cutting edge: functional role for proline-rich tyrosine kinase 2 in NK cell-mediated natural cytotoxicity. *Journal of Immunology*, vol. 164(5), p. 2272-2276, ISSN: 0022-1767
33. F. MAINIERO, GISMONDI A, STRIPPOLI R, JACOBELLI J, SORIANI A, MORRONE S, SANTONI A (2000). Integrin-mediated regulation of cytokine and chemokine production in human natural killer cells. *European Cytokine Network*, vol. 11 (3), p. 493-494, ISSN: 1148-5493
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