



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s)

Insert photograph. (JPG format)

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality

Date of birth

Gender

### Occupational field

### Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Sector

**Angela Gismondi**

Department of Molecular Medicine, University of Rome "La Sapienza", Viale Regina Elena 291  
00161 Rome

06-49255116

06-44340632

angela.gismondi@uniroma1.it

Italian

Female

SSD: MED/46

**1 November 2001 to present**

Full Professor

**Project Coordinator**, research projects in the field of Immunology and Cell Biology  
**Academic Teacher**, Immunology and General Pathology for Medical School students and  
Immunology for students of Second-Level Master in Medical Biotechnology

“Sapienza” University of Rome,  
Viale Regina Elena, 291  
00161, Rome Italy

Dept. Molecular Medicine

**January 1990- October 2001**

Researcher

Academic teaching, research, and student training

“Sapienza” University of Rome

Dept. Molecular Medicine

**January 1990 to present**

Assistant Biologist, Special Service of Immunology and Immunopathology  
Policlinico Universitario Umberto I, Rome, Italy

### Education and training

Dates

Title of qualification awarded

**1991-1992**

Grant for a fellowship

Name and type of organisation providing education and training

Institute of Biomedical Technologies CNR of Rome

**1989**

**PhD in Experimental Medicine**

Laboratory of Immunology, Dept. Experimental Medicine and Pathology, "La Sapienza" University of Rome

**1985**

**Research Collaborator**

Regina Elena, National Cancer Institute, Rome.

**1984**

**License in Pharmacy**

"La Sapienza" University of Rome

**1984**

**Master Degree in Pharmacy**

"La Sapienza" University of Rome

**Personal skills and competences**

Over the last 20 years, the main interests of Prof. Gismondi's have been focused on many aspects of NK cell biology and more recently on their role in pregnancy. She focused her attention on understanding the intracellular signaling pathways triggered by several surface activation/adhesion receptors and their involvement in the regulation of NK cell functions. She first demonstrated that integrins on NK cells can function not only as adhesion receptors but also as signaling molecules. More recently, she has been interested in analyzing the molecular events involved in the control of human NK cell migration and tissue localization, the relationships between circulating and tissue resident NK cells and the role played by specific tissue microenvironment in the modulation of NK cell phenotypic and functional profile. The results obtained by Prof. Gismondi has been published in highly qualified international journals and presented at many national and international scientific congresses. Prof. Gismondi is recipient of grants from several research agencies including MIUR, CNR, Ministry of Health and participant in projects funded by AIRC and the European Union.

**MEMBER OF SCIENTIFIC SOCIETIES:**

Italian Society of Immunology, Clinical Immunology and Allergology (SIICA)

Italian Society of Pathology (SIP)

Society for Natural Immunity

Mother tongue(s)

**Italian**

Other language(s)

Self-assessment

European level (\*)

**Language**

**Language**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	C1	C1

(\*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

**Additional information**

Include here any other information that may be relevant, for example contact persons, references, etc.

Receiving

**Annexes**

List any items attached.

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. 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
18. A. SANTONI, CARLINO C, STABILE H, GISMONDI A (2008). Mechanisms underlying recruitment and accumulation of decidual NK cells in uterus during pregnancy. *American Journal of Reproductive Immunology*, vol. 59, p. 417-424, ISSN: 1046-7408, doi: 10.1111/j.1600-0897.2008.00598.
19. 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
20. 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.
21. 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
22. BERNARDINI G, KIM Y, A. GISMONDI, BUTCHER EC, SANTONI A (2005). Chemoattractant induces LFA-1 associated PI 3K activity and cell migration that are dependent on Fyn signaling. *Faseb Journal*, vol. 19, p. 1305-1307, ISSN: 0892-6638, doi: 10.1096/fj.04-3352fj
23. A. GISMONDI, CIFALDI L., MAZZA C., GILIANI S., PAROLINI S., MORRONE S., JACOBELLI J., BANDIERA E., NOTARANGELO L., SANTONI A. (2004). Impaired natural and CD16-mediated NK cell cytotoxic function in WAS and XLT patients: ability of IL-2 to correct NK cell functional defect. *Blood*, vol. 104(2), p. 436-443, ISSN: 0006-4971, doi: 10.1182/blood-2003-07-2621
24. A. GISMONDI, MAINIERO F, SANTONI A (2004). Evaluation of Rho family small G-protein activity induced by integrin ligation on human leukocytes. In: HUMANA PRESS. *Cell Migration in Inflammation and Immunity: Methods and Protocols*. vol. 239, p. 69-76, D D'Ambrosio, F Sinigaglia, doi:10.1385/1-59259-435-2:69
25. 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

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27. MAGNANTI M., GISMONDI A., GANDINI O., ROSSI F.M., P. MICHETTI, SANTIEMMA V., MORRONE S (2001). Integrin pattern and effect on contraction in cultured testicular peritubular myoid cells. *American Journal of Reproductive Immunology*, vol. 45, p. 21-27, ISSN: 1046-7408, doi: 10.1111/j.8755-8920.2001.450104.x
28. MAINIERO F., SORIANI A., STRIPPOLI R., JACOBELLI J., GISMONDI A., PICCOLI M., FRATI L., SANTONI A. (2000). RAC1/P38 MAPK signaling pathway controls beta1 integrin-induced interleukin-8 production in human natural killer cells. *IMMUNITY*, vol. 12, p. 7-16, ISSN: 1074-7613, doi: 10.1016/S1074-7613(00)80154-5
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Textbooks (Chapters, etc.)

(Max 5)

1. 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
2. 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
3. A. GISMONDI, MAINIERO F, SANTONI A (2004). Evaluation of Rho family small G-protein activity induced by integrin ligation on human leukocytes. In: HUMANA PRESS. *Cell Migration in Inflammation and Immunity: Methods and Protocols*. vol. 239, p. 69-76, D D'Ambrosio, F Sinigaglia, doi:10.1385/1-59259-435-2:69
4. DEFILIPPI P, A. GISMONDI, SANTONI A, TARONE G (1997). Signal transduction by integrins.. p.1-183, AUSTIN, TEXAS, USA: Mol. Biol. Intelligence Unit, LANDES BIOSCIENC, ISBN: 9783540633617

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Gismondi Angela