

## DR. GASPERI VALERIA

### Personal data

Name: Valeria Gasperi

Date and place of birth: 06/25<sup>th</sup>/1977- Foggia - Italy

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### Present Position

Researcher in Biochemistry at the Department of Experimental Medicine and Surgery, University of Rome "Tor Vergata",

### Education

- 1996/2001 Doctoral degree in Medical Biotechnology at the University of Naples "Federico II". Final score 110/110. Experimental thesis at the Department of Pediatrics of University of Naples "Federico II" on "*Genetic techniques applied to the study of multifactorial pathologies: the celiac disease*". Supervisor Professor Luigi Greco.
- 2002/2005 Ph.D. degree in Biochemistry and Molecular Biology at the University of Rome "Tor Vergata". Experimental thesis on "*Differential regulation of the human FAAH promoter along the neuroimmune axis: implications for anandamide-induced apoptosis*". Supervisors Professor Alessandro Finazzi-Agrò and Professor Mauro Maccarrone.
- 2006/2008 Post-Doc fellowship at the Department of Experimental Medicine and Surgery, University of Rome "Tor Vergata" and Department of Biomedical Sciences, University of Teramo .

### Research experience

- Since 2008 Researcher in Biochemistry of lipids on "*endocannabinoid signalling in cellular differentiation and death, especially concerning endocannabinoid cascades activated in haematological cells*" at the Department of Experimental Medicine and Surgery, University of Rome "Tor Vergata". In particular, she has focused on signal cascades activated by the endocannabinoids 2-arachidonoylglycerol and anandamide, during megakaryocyte differentiation and platelet activation.
- 2006-2008 Post-doc fellowship on "*physiopathological role of endocannabinoids in neuronal and peripheral cells*", at the Department of Experimental Medicine and Surgery, University of Rome "Tor Vergata" and Department of Biomedical Sciences, University of Teramo.
- 2001-2002 Fellowship on "*molecular basis of gastrointestinal tumours*" c/o Gastroenterology laboratory, "Casa Sollievo della Sofferenza", San Giovanni Rotondo (FG).

### Teaching activity (ongoing)

1. Dietary School (Course on Biochemistry).
2. Dietary School (Course on Biochemistry of Nutrition).
3. I° Level Master on "Teaching and Coaching Judo" (Course on Applied Biochemistry).
3. I° Level Master on "Nutrition and Cosmetics" (Course on Epidermal proteins and carbohydrates).
4. Biochemistry and Molecular Biology PhD (University of Rome "Tor Vergata").

### Scientific publications

She is the author of 39 peer-reviewed research papers and reviews, 1 book on endocannabinoids and more than 30 Congress presentations.

1. **Gasperi V**, Dainese E, Oddi S, Sabatucci AL, Maccarrone M. GPR55 and its interaction with membrane lipids compared to the other endocannabinoid-binding receptors. *Curr. Med. Chem.* 2012. Under revision

2. Perrotta A, Arce-Leal N, Tassorelli C, **Gasperi V**, Sances G, Blandini F, Serrao M, Bolla M, Pierelli F, Nappi G, Maccarrone M, Sandrini G. Acute Reduction of Anandamide-Hydrolase (FAAH) Activity is Coupled With a Reduction of Nociceptive Pathways Facilitation in Medication-Overuse Headache Subjects After Withdrawal Treatment. *Headache*. 2012 Jun 1.
3. **Gasperi V**, Catani MV, Catanzaro G, Baldassarri S, Bertoni A, Sinigaglia F, Avigliano L, Maccarrone M. Human Platelets Express Authentic CB(1) and CB(2) Receptors. *Curr Neurovasc Res*. 2010; 7(4):311-8.
4. Maccarrone M, **Gasperi V**, Catani MV, Diep TA, Dainese E, Hansen HS, Avigliano L. The endocannabinoid system and its relevance for nutrition. *Annu Rev Nutr*. 2010 21;30:423-40.
5. Bari M, Tedesco M, Battista N, Pasquariello N, Pucci M, **Gasperi V**, Scaldaferrri ML, Farini D, De Felici M, Maccarrone M. Characterization of the endocannabinoid system in mouse embryonic stem cells. *Stem Cells Dev*. 2010 May 6. [Epub ahead of print]
6. Greco R, **Gasperi V**, Maccarrone M, Tassorelli C. The endocannabinoid system and migraine. *Exp Neurol*. 2010; 224(1):85-91.
7. **Gasperi V**, Catani MV, Evangelista D, Finazzi Agrò A, Avigliano L, and Maccarrone M. Anandamide extends platelets survival through CB(1)-dependent Akt signaling. *Cell Mol Life Sci*. 2010;67(4):601-10.
8. **Gasperi V**, Greco R, Sandrini G, Bagetta G, Nappi G, Maccarrone M, Tassorelli C. Alterations of the endocannabinoid system in an animal model of migraine: evaluation in cerebral areas of rat. *Cephalalgia*. 2009 Jun 8. [Epub ahead of print]
9. Centonze, D., Bari, M., Di Michele, B., Rossi, S., **Gasperi, V.**, Pasini, A., Battista, N., Bernardi, G., Curatolo, P. and Maccarrone, M. "Altered anandamide degradation in attention-deficit/hyperactivity disorder". *Neurology* 2009. 72(17):1526-7.
10. Maccarrone M, De Chiara V, **Gasperi V**, Viscomi MT, Rossi S, Oddi S, Molinari M, Musella A, Finazzi-Agrò A, Centonze D. Lipid rafts regulate 2-arachidonoylglycerol metabolism and physiological activity in the striatum. *J Neurochem*. 2009. 109(2):371-81.
11. Catani MV, Fezza F, Baldassarri S, **Gasperi V**, Bertoni A, Pasquariello N, Finazzi-Agrò A, Sinigaglia F, Avigliano L, Maccarrone M. Expression of the endocannabinoid system in the bi-potential HEL cell line: commitment to the megakaryoblastic lineage by 2-arachidonoylglycerol. *J Mol Med*. 2008. 87(1):65-74.
12. Turco MY, Matsukawa K, Czernik M, **Gasperi V**, Battista N, Della Salda L, Scapolo PA, Loi P, Maccarrone M, Ptak G. High levels of anandamide, an endogenous cannabinoid, block the growth of sheep preimplantation embryos by inducing apoptosis and reversible arrest of cell proliferation. *Hum Reprod*. 2008;23(10):2331-8.
13. Battista N, Rapino C, **Gasperi V**, Finazzi-Agrò A, Maccarrone M. Effect of RNAi on lipoxygenase activity and expression, and immune cell apoptosis: opening the gate to the "ROALD" experiment aboard the space shuttle. *J Gravit Physiol*. 2007;14(1):P131-2.
14. De March Z, Zuccato C, Giampà C, Patassini S, Bari M, **Gasperi V**, De Ceballos ML, Bernardi G, Maccarrone M, Cattaneo E, Fusco FR. Cortical expression of brain derived neurotrophic factor and type-1 cannabinoid receptor after striatal excitotoxic lesions. *Neuroscience*. 2008 Mar 7;152(3):734-40.
15. Maccarrone M, Rossi S, Bari M, De Chiara V, Fezza F, Musella A, **Gasperi V**, Prosperetti C, Bernardi G, Finazzi-Agrò A, Cravatt BF, Centonze D. Anandamide inhibits metabolism and physiological actions of 2-arachidonoylglycerol in the striatum. *Nat Neurosci*. 2008;11(2):152-9.
16. Massi P, Valenti M, Vaccani A, **Gasperi V**, Perletti G, Marras E, Fezza F, Maccarrone M, Parolaro D. 5-Lipoxygenase and anandamide hydrolase (FAAH) mediate the antitumor activity of cannabidiol, a non-psychoactive cannabinoid. *J Neurochem*. 2008;104(4):1091-100.
17. Bari M, Oddi S, De Simone C, Spagnolo P, **Gasperi V**, Battista N, Centonze D, Maccarrone M. Type-1 cannabinoid receptors colocalize with caveolin-1 in neuronal cells. *Neuropharmacology*. 2008;54(1):45-50.
18. Nucci C, **Gasperi V**, Tartaglione R, Cerulli A, Terrinoni A, Bari M, De Simone C, Agrò AF, Morrone LA, Corasaniti MT, Bagetta G, Maccarrone M. Involvement of the endocannabinoid system in retinal damage after high intraocular pressure-induced ischemia in rats. *Invest Ophthalmol Vis Sci*. 2007;48(7):2997-3004.
19. Varani K, Bachoud-Lévi AC, Mariotti C, Tarditi A, Abbracchio MP, **Gasperi V**, Borea PA, Dolbeau G, Gellera C, Solari A, Rosser A, Naji J, Handley O, Maccarrone M, Peschanski M, DiDonato S, Cattaneo

- E. Biological abnormalities of peripheral A(2A) receptors in a large representation of polyglutamine disorders and Huntington's disease stages. *Neurobiol Dis.* 2007 Jul; 27(1):36-43.
20. Centonze D, Rossi S, Prosperetti C, **Gasperi V**, De Chiara V, Bari M, Tschertter A, Febbraro F, Bernardi G, Maccarrone M. Endocannabinoids limit metabotropic glutamate 5 receptor-mediated synaptic inhibition of striatal principal neurons. *Mol Cell Neurosci.* 2007. 35(2):302-10.
  21. **Gasperi V**, Fezza F, Pasquariello N, Bari M, Oddi S, Finazzi Agrò A, Maccarrone M. Endocannabinoids in Adipocytes during Differentiation and their Role in Glucose Uptake. *Cell Mol Life Sci.* 2006. 64(2):219-29.
  22. Mei G, Di Venere A, **Gasperi V**, Nicolai E, Masuda K, Finazzi-Agro' A, Cravatt B F, Maccarrone M. Closing the gate to the active site: Effect of the inhibitor MAFP on the conformation and membrane binding of fatty acid amide hydrolase. *J. Biol. Chem.* Dec 2006. 282(6):3829-36.
  23. **Gasperi V**, Rossi G, Paro R, Barsacchi D, Cecconi S, Maccarrone M. Follicle-Stimulating Hormone Activates Fatty Acid Amide Hydrolase by Protein Kinase A and Aromatase-Dependent Pathways in Mouse Primary Sertoli Cells. *Endocrinology.* 2006. 148(3):1431-9.
  24. Spoto B, Fezza F, Parlongo G, Battista N, Sgro' E, **Gasperi V**, Zoccali C, Maccarrone M. Human adipose tissue binds and metabolizes the endocannabinoids anandamide and 2-arachidonoylglycerol. *Biochimie.* 2006; 88(12):1889-97.
  25. Maccarrone M, Fiori A, Bari M, Granata F, **Gasperi V**, De Stefano ME, Finazzi-Agro A, Strom R. Regulation by cannabinoid receptors of anandamide transport across the blood-brain barrier and through other endothelial cells. *Thromb Haemost.* 2006; 95(1):117-27.
  26. Dainese E, **Gasperi V**, Maccarrone M. Partial QSAR analysis of some selected natural inhibitors of FAAH suggests a working hypothesis for the development of endocannabinoid-based drugs. *Curr Drug Targets CNS Neurol Disord.* 2005; 4(6):709-14.
  27. Catani, MV, Fezza, F, **Gasperi V**, Del Principe D, Finazzi Agrò A, Maccarrone M, and Avigliano L. "Endocannabinoids and platelets – Signalling pathways". 2005 *Ital. J. Biochem.* 54: 4.07.
  28. Catani, MV, Fezza, F, **Gasperi V**, Sinigaglia F, Finazzi Agrò A, Avigliano L, and Maccarrone M. "Endocannabinoids and platelets – Differentiation". 2005 *Ital. J. Biochem.* 54: 4.06.
  29. Maccarrone M, Bari M, **Gasperi V**, Demmig-Adams B. "The photoreceptor protector zeaxanthin induces cell death in neuroblastoma cells." *Anticancer Res.* 2005; 25(6B):3871-6.
  30. Bari M, Battista N, Fezza F, **Gasperi V**, Maccarrone M. "New Insights into Endocannabinoid Degradation and Its Therapeutic Potential". *Mini Reviews in Medical Chemistry.* 2005; 6(3):257-68.
  31. Maccarrone M, Barboni B, Paradisi A, Bernabo' N, **Gasperi V**, Pistilli MG, Fezza F, Lucidi P, Mattioli M. aracterization of the Endocannabinoid System in Boar Spermatozoa and Implications for Sperm Capacitation and Acrosome Reaction". *J Cell Sci.* 2005;118(Pt 19):4393-404.
  32. **Gasperi V**, Fezza F, Spagnuolo P, Pasquariello N, Maccarrone M. "Further Insights into the Regulation of Human FAAH by Progesterone and Leptin Implications for Endogenous Levels of Anandamide and Apoptosis of Immune and Neuronal Cells." *Neurotoxicology.* 2005; (26) 811-817.
  33. Fezza F, **Gasperi V**, Mazzei C, Maccarrone M. "Radiochromatographic assay of N-acyl-phosphatidylethanolamine-specific phospholipase D activity." *Anal Biochem.* 2005; 339 (1):113-20.
  34. Battista N., **Gasperi V**, Fezza F, Maccarrone M. "The anandamide membrane transporter and the therapeutic implications of its inhibition." *Therapy.* 2005; 2 (1): 141-150.
  35. Maccarrone M., **Gasperi V**, Fezza F, Finazzi-Agrò A, Rossi A. "Differential regulation of fatty acid amide hydrolase promoter in human immune cells and neuronal cells by leptin and progesterone". *Eur J Biochem.* 2004; 271(23-24):4666-76.
  36. Maccarrone M, Di Rienzo M, Battista N, **Gasperi V**, Guerrieri P, Rossi A, Finazzi-Agrò A." The endocannabinoid system in human keratinocytes. Evidence that anandamide inhibits epidermal differentiation through CB1 receptor-dependent inhibition of protein kinase C, activation protein-1, and transglutaminase". *J. Biol Chem.* 2003; 278(36):33896-903.
  37. Ciacci C, D'Agate C, De Rosa A, Franzese C, Errichiello S, **Gasperi V**, Pardi A, Quagliata D, Visentini S, Greco L. "Self-rated quality of life in celiac disease." *Dig Dis Sci.* 2003; 48(11):2216-20.
  38. Perri F, Ricciardi R, Merla A, Piepoli A, **Gasperi V**, Quitadamo M, Andriulli A. "Appropriateness of urea breath test: a prospective observational study based on Maastricht 2000 guidelines." *Aliment Pharmacol Ther.* 2002; 16(8):1443-7.
  39. Greco L, Romino R, Coto I, Di Cosmo N, Percopo S, Maglio M, Paparo F, **Gasperi V**, Limongelli MG, Cotichini R, D'Agate C, Tinto N, Sacchetti L, Tosi R, Stazi MA. "The first large population based twin study of coeliac disease." *Gut.* 2002;50(5):624-8

## **BOOKS**

1. Maccarrone M, **Gasperi V**, Bari M, Avigliano L, Finazzi Agrò A. Gli endocannabinoidi: nuovi mediatori lipidici di rilevanza Biomedica. Piccin-Editore

## **MEETINGS**

1. Maccarrone M, Catani MV, **Gasperi V**, Catanzaro G, Baldassarri S, Bertoni A, Sinigaglia F, Avigliano L. Evidence that human platelets express authentic CB1 and CB2 receptors. 20th Annual Symposium on the Cannabinoids (23-27 July 2010, Lund, Sweden)
2. Maccarrone M, Bari M, Tedesco M, Pasquariello N, Pucci M, **Gasperi V**, Scaldaferrri M L, Farini D, De Felici M. Characterization of the endocannabinoid system in mouse embryonic stem cells. 20th Annual Symposium on the Cannabinoids (23-27 July 2010, Lund, Sweden)
3. Fezza F, Bari M, Maturo P., **Gasperi V**, Docimo R, Maccarrone M. Anandamide metabolism in gingival crevicular fluid and periodontal tissue. 19th Annual Symposium on the Cannabinoids (7-11 July 2009, St. Charles, Illinois USA).
4. **Gasperi V**. Bari, M. Di Tommaso, M., Finazzi Agrò, A., Maccarrone M. Effects of simulated microgravity on cytokines levels and apoptosis in Jurkat cells. 4° Congresso Nazionale dell'ISSBB (31 March-3 April 2009, Santa Margherita Ligure) – *oral presentation*
5. Bari M, **Gasperi, V**, Catanzaro, G., Finazzi Agrò, A., Maccarrone M. Weightlessness and apoptosis in neuroblastoma cells. 4° Congresso Nazionale dell'ISSBB (31 March-3 April 2009, Santa Margherita Ligure).
6. Avigliano, L., Catani, M.V., **Gasperi, V.**, Finazzi-Agrò, A. and Maccarrone, M. “Endocannabinoids prolong platelet life span”. 53rd National Meeting of the Italian Society of Biochemistry and Molecular Biology (23-26 September 2008, Riccione).
7. Bari, M., Centonze, D., **Gasperi, V.**, Di Michele, B., Rossi, S., Pasini, A., Battista, N., Bernardi, G., Curatolo, P. and Maccarrone, M. “Degradation of anandamide in ADHD and its relationship with dopamine signaling in the striatum”. 18th Annual Symposium on the Cannabinoids (25 – 29 June 2008, Aviemore, Scotland).
8. Maccarrone, M., Rossi, S., **Gasperi, V.**, Bari, M., De Chiara, V., Fezza, F., Bernardi, G., Finazzi Agrò, A. and Centonze, D. “The physiological activity of 2-arachidonoylglycerol in the striatum is regulated by lipid rafts”. 18th Annual Symposium on the Cannabinoids (25 – 29 June 2008, Aviemore, Scotland).
9. Bari, M., **Gasperi, V.**, Di Tommaso, M., Finazzi Agrò, A. and Maccarrone, M. “Endocannabinoid system in microgravity”. III Congresso Nazionale ISSBB (2-3 April 2008, Udine).
10. Parolaro, D., Massi, P., Valenti, M., **Gasperi. V.**, Meli, S. and Maccarrone, M. “Lox pathway and endocannabinoid system are involved in antitumor activity of cannabidiol”. IACM 4th Conference on Cannabinoids in Medicine (5-6 October 2007, Cologne, Germany).
11. Oddi, S., Bari, M., **Gasperi, V.**, De Simone, C., Battista, N. and Maccarrone, M. “Type-1 cannabinoid receptors colocalize with caveolin-1 in neuronal cells”. Gordon Research Conference on “Cannabinoid Function in the CNS” (30 September – 5 October 2007, Les Diablerets, Switzerland).
12. Valenti, M., Massi, P., **Gasperi, V.**, Meli, S., Maccarrone, M. and Parolaro, D. “Role of LOX pathway and endocannabinoid system in antitumor activity of cannabidiol, a non-psychoactive cannabinoid”. 17th Annual Symposium on the Cannabinoids (24 – 30 June 2007, Manoir Saint-Sauveur, Canada).
13. Bari, M., **Gasperi, V.**, De Simone, C., Battista, N. and Maccarrone, M. “Type-1 cannabinoid receptors colocalize with caveolin-1 in neuronal cells”. 17th Annual Symposium on the Cannabinoids (24 – 30 June 2007, Manoir Saint-Sauveur, Canada).
14. **Gasperi, V.**, Catani, M.V., Fezza, F., Baldassarri, S., Bertoni, A., Finazzi Agrò, A., Sinigaglia, F., Avigliano, L. and Maccarrone, M. “2-Arachidonoylglycerol triggers megakaryocytic differentiation of haematopoietic progenitor HEL cells, in a type-2 cannabinoid receptor-dependent manner”. 17th Annual Symposium on the Cannabinoids (24 – 30 June 2007, Manoir Saint-Sauveur, Canada).
15. Massi, P., Valenti, M., **Gasperi, V.**, Maccarrone, M. and Parolaro, D. “Role of Lox pathway and endocannabinoid system in antitumor activity of cannabidiol, a non-psychoactive cannabinoid”. 33° Congresso Nazionale della Società Italiana di Farmacologia (6 - 9 June 2007, Cagliari).
16. Parolaro D, Massi P, Valenti M, **Gasperi V.**, Meli S., and Maccarrone M. “Lox pathway and endocannabinoid system are involved in the antitumor activity of cannabidiol”. IACM 4th Conference

on Cannabinoids in Medicine. Institute for Psychiatry and Psychotherapy of the University of Cologne (Colonia. 5 - 6 Ottobre 2007).

17. Battista, N., Rapino, C., **Gasperi, V.** and Maccarrone, M. "Effect of RNA later on lipoxygenase activity and expression, and immune cell apoptosis: opening the gate to the "ROAD" experiment onboard the space shuttle". 28th Annual International Gravitational Physiology Meeting (8-13 April 2007, San Antonio, Texas).
18. De March Z, Zuccato C, Giampà C, Patassini S, Bari M, **Gasperi V**, Maccarrone M, de Ceballos ML, Bernardi G, Cattaneo E, and Fusco FR. "Cortical brain derived neurotrophic factor (BDNF) upregulation is mediated by type-1 cannabinoid receptor after striatal excitotoxic lesions". III Meeting on the Molecular Mechanisms of Neurodegeneration (19-21, 2007 Maggio, Milano).
19. **Gasperi, V.**, Battista, N., Bari, M. and Maccarrone, M. "Microgravity protects U937 cells against toxicity of the endocannabinoid anandamide". II Congresso Nazionale ISSBB (29 - 31 March 2007, Bari) - *oral presentation*
20. Cecconi, S., Paro, R., Rossi, G., **Gasperi, V.**, Pucci, M. and Maccarrone, M. "Ruolo dell'anandamide nelle cellule del Sertoli di topo prepubere". IX Congresso AIBG (11-14 Settembre 2006, Massa Lubrense, Napoli).
21. Maccarrone, M., Fiori, A., Bari, M., Granata, F., **Gasperi, V.**, De Stefano, M.E., Finazzi Agrò, A. and Strom, R. "Anandamide transport across the blood-brain barrier". 16th Annual Symposium on the Cannabinoids (24-28 June 2006, Tihany, Hungary).
22. Oddi, S., Bari, M., Fezza, F., **Gasperi, V.**, Spagnuolo, P., Pasquariello, P., Finazzi Agrò, A. and Maccarrone, M. "Lipid Rafts, CB2 receptor signaling and metabolism of 2-arachidonoylglycerol in human immune cells". 16th Annual Symposium on the Cannabinoids (24-28 June 2006, Tihany, Hungary).
23. Fezza, F., Catani, M.V., **Gasperi, V.**, Sinigaglia, F., Baldassarri, S., Finazzi Agrò, A., Avigliano, L. and Maccarrone, M. "Cannabinoids and pluripotent haematopoietic cells". Giornata di Studio Congiunta SIB-SINU: Aspetti Biochimici e Nutrizionali dell'Interazione Geni-Nutrienti (5 Maggio 2006, Bologna).
24. Mei, G., Di Venere, A., Nicolai, E., **Gasperi, V.**, Fezza, F., Rosato, N. and Maccarrone, M. "Equilibrium dissociation and unfolding of fatty acid amide hydrolase (FAAH)". Acta Biophysica Romana 2006 (22-24 February 2006, Rome).
25. Maccarrone, M., Barboni, B., Paradisi, A., Bernabò, N., **Gasperi, V.**, Pistilli, M., Fezza, F., Lucidi, P. and Mattioli, M. "The endocannabinoid system in boar sperm and its involvement in male fertility". 2005 Symposium on the Cannabinoids (24-27 June 2005, Clearwater Beach, Florida).
26. Amantea, D., Mazzei, C., Pelle, C., Bari, M., **Gasperi, V.**, Corasaniti, M.T., Maccarrone, M. and Bagetta, G. "Evidence to implicate the endocannabinoid system in neuroprotection afforded by 17 $\beta$ -estradiol in a rat model of transient middle cerebral artery occlusion". VIII Workshop on "Apoptosis in Biology and Medicine: Plasticity in Pain and Death" (25-26 May 2005, Parghelia, Vibo Valentia).
27. **Gasperi, V.**, Oddi, S., Paradisi, A., Pasquariello, N. and Maccarrone, M. "Morphological and biochemical evidence for a spatial and functional separation between anandamide uptake and hydrolysis in human keratinocytes". II European Workshop on Cannabinoid Research (29-30 April 2005, Busto Arsizio).
28. Barboni, B., Mattioli, M., Bernabò, N., Pistilli, G., **Gasperi, V.**, Paradisi, A. and Maccarrone, M. "Endocannabinoids in the control of boar sperm function". Fertility 2005 (3-6 April 2005, Coventry).
29. **Gasperi, V.**, Fezza, F., Finazzi Agrò, A., Rossi, A. and Maccarrone, M. "Leptin and progesterone regulate differently the FAAH promoter in human immune cells and neuronal cells". 2004 Symposium on the Cannabinoids (23-27 June 2004, Paestum).
30. **Gasperi, V.**, Di Rienzo, M., Battista, N., Guerrieri, P., Rossi, A., Finazzi Agrò, A. and Maccarrone, M. "La differenziazione epidermica dei cheratinociti umani è inibita dal legame dell'anandamide al recettore CB1". 1a Giornata Italiana sugli Endocannabinoidi (5 December 2003, Salerno).
31. Coto I., Percopo S., Romino R., **Gasperi V.**, Di Cosmo N., Limongelli M.G., Maglio M., Paparo F., Tinto N., Sacchetti L., Cotechini R., Stazi M.A., Greco L. "Gemelli nella genetica della Malattia Celiaca." Giornate Scientifiche del Polo delle Scienze e delle Tecnologie per la vita. 14-15 Giugno, 2001, Università degli studi "Federico II", Napoli.