

**DR GASPERI VALERIA**  
*University of Rome "Tor Vergata"*  
*Faculty of Medicine and Surgery*  
*Department of Experimental Medicine*  
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*e-mail: [gasperi@med.uniroma2.it](mailto:gasperi@med.uniroma2.it);*

### **ACTUAL POSITION**

**Qualification:** University Assistant Professor tenured position (BIO/10-Biochemistry) at the University of Rome "Tor Vergata" Department of Experimental Medicine.

National Scientific Qualification required to function as University Associate Professor (BIO/10-Biochemistry) Disciplinary Area – 05/E1 – General Biochemistry (D.D. 1532/2016). Valid from 1/13/2020 to 1/13/2029.

National Scientific Qualification required to function as University Associate Professor (BIO/10-Biochemistry) Disciplinary Area – 05/E1 – General Biochemistry (D.D. 222/2012). Valid from 6/16/2014 to 6/16/2023.

23-11-2018 Eligibility for the role of University Associate Professor (BIO/10-Biochemistry) Disciplinary Area – 05/E1 – General Biochemistry at Department of Biology of the University of Rome "Tor Vergata" (D.R. 584 3/29/2018 (Rif. 1350) G.U. 31 4/17/2018).

### **EDUCATION**

**7/2001** - University Degree at Faculty of Biotechnological Sciences of the University of Naples "Federico II"- Final score 110/110

**11/2005** - Ph Doctorate in Biochemistry and Molecular Biology-XVIII Cycle at the Department of Experimental Medicine and Biological Sciences of the University of Rome "Tor Vergata".

### **PREVIOUS POSITIONS**

#### **10/1/2008 – 11/9/2011**

University Researcher in tenure-track (BIO/10-Biochemistry) at the University of Rome "Tor Vergata" Department of Experimental Medicine.

#### **5/9/2006 – 5/8/2008**

Postdoctoral fellowship for the project “Multidisciplinary approach for the development of defense mechanisms of bivalve molluscs for environmental and project quality” (BIO/10 and VET/05) at Department of Comparative Biochemical Sciences of University of Teramo and Department of Experimental Medicine and Biological Sciences of the University of Rome "Tor Vergata" (DR 247 5/4/2006)

#### **2002/2005**

Ph Doctorate in Biochemistry and Molecular Biology at the Department of Experimental Medicine and Biological Sciences of the University of Rome "Tor Vergata".

**6/7/2005- 7/31/2005** - Fellowship for the project “Study of molecular modifications in enzymes and constitutive proteins of milk following high pressure homogenization treatment” (DM 44673031 12/3/2001 MIPAF) at the Department of Experimental Medicine and Biological Sciences of the University of Rome "Tor Vergata".

#### **7/4/2002 – 10/4/2002**

Fellowship for the project “Role of NO/NO synthase S-nitrosylation in the regulation of death by necrosis or apoptosis in tumor cells” at the Department of Experimental Medicine and Biological Sciences of the University of Rome "Tor Vergata".

#### **12/7/2001 –9/9/2002**

Fellowship at Gastroenterology research laboratory of “Casa Sollievo della Sofferenza” Hospital IRCCS (San Giovanni Rotondo, FG).

### **TEACHING ACTIVITY**

Dr Gasperi Valeria carries out the following teaching activities at the Faculty of Medicine and Surgery of the University of Rome "Tor Vergata":

#### ***Master Degree in Medicine and Surgery***

- Teacher of Biochemical Techniques course SSD BIO/10 (1 CFU) - CI Practical Medicine II (from 2019/2020 AA until now).
- Biochemistry exams.
- Seminars and theoretical-practical exercises as part of the teaching of the Biochemistry course.

**Master Degree in Human Nutrition Sciences**

- Teacher of Chemistry of Food course SSD CHIM/10 (2 CFU) - CI Food Chemistry and Food Technology (from 2014/2015 AA until now).
- Teacher of New Food course SSD BIO / 10 (2 CFU) - CI New Foods and Food Safety. Coordinator of Integrated Course (from 2019/2020 AA until now)

**Bachelor degree in Dietetics**

- Teacher of Biochemistry course SSD BIO/10 (3 CFU) – IC Biochemistry, Physiology and Immunology (from 2008/2009 until now). Coordinator of Integrated Course
- Teacher of Nutritional Biochemistry course SSD MED/49 (3 CFU) - IC Nutritional Biochemistry and Functional Foods (from 2008-2009 until now)
- Teacher of Food Chemistry course SSD CHIM/10 (3 CFU) - IC Chemistry, Technology and Commodity of Food - Coordinator of Integrated Course (from 2018/2019 to 2020/2021).
- Seminars and exams for Professional Laboratory course of the specific Disciplinary Area (from 2008/2009 until now).

**Bachelor Degree in Motor Sciences**

- Biochemistry Exams

**International First Level Specializing Master in Teaching and Coaching Judo**

- Teacher of Applied Biochemistry SSD BIO/10 (1 CFU) (2011/2012)

**First Level Specializing Master in Nutrition and Cosmetics**

- Teacher of Dietary Bioactive compounds with Cosmetics Application course SSD BIO/10 (1 CFU) (from 2016/2017 until now)
- Teacher of Skin Proteins and Glucides SSD BIO/10 (1 CFU) (from 2009/2010 to 2013/2014)
- Didactic Secretary (from 2009/2010 to 2013/2014)

**Second Level Specializing Master in Personalized Nutrition: Molecular and Genetic Bases**

- Teacher of Macronutrient polymorphism and metabolism course SSD BIO/10 (2 CFU) (from 2019/2020 until now)
- Teacher of Dietary bioactive compounds course SSD BIO/10 (1 CFU) (from 2014/2015 to 2018/2019)
- Didactic Secretary (from 2014/2015 to 2015/2016)

**2009 - present** Member of the Academic Board of the PhD in "Biochemistry and Molecular Biology" University of Rome "Tor Vergata".

**2008-2012** Member of the Academic Board of the PhD in "Biochemical Sciences and Technologies Applied to Food and Nutrition" at University "Campus Bio-medico" of Roma.

**SCIENTIFIC ACTIVITY**

The main fields of investigation of Dr. Gasperi are focused on:

- Modulation of specific microRNAs delivered through microvesicles to breast cancer and their role in tumor biology.
- Role of antioxidant nutrients in specific diseases: oxidative stress associated with obesity, pro-and anti-inflammatory role of phytochemical compounds in colorectal cancers.
- Biochemistry of inter-cellular communication: role of  $\omega 3$  and  $\omega 6$  polyunsaturated fatty acids and their derivatives on the cardiovascular system, with particular reference to the regulation of the interaction between endothelium and blood cells in inflammatory processes.
- Biochemistry of differentiation and cell death: regulation by  $\omega 3$  and  $\omega 6$  polyunsaturated fatty acids and their derivatives, in different model systems (adipocytes, keratinocytes, neurons, spermatozoa, tumor cells, etc.).
- Inflammation, survival, aging in zero gravity: apoptosis and redox state in lymphocytes and neurons in simulated and real microgravity conditions.
- Megakaryocytic differentiation, thrombogenesis and platelet activation: role of  $\omega 3$  and  $\omega 6$  polyunsaturated fatty acids and their derivatives in platelet biology.

**Scientific participation to international and national research projects, admitted for funding**

2018 Individual Annual Funding of Basic Research Activities (ANVUR 20/2017 15/6/2017)

2017 Tor Vergata Research Program "Mission Sustainability 2017" NanOArt

2015/2016 **Principal investigator** Programma di ricerca Tor Vergata Research Program "Uncovering excellence 2014" (DR 920 5/5/2014) "ACUMEN *Dissecting the role of the E3 ubiquitin ligase WWP1 in acute myeloid leukaemia pathogenesis*". Prot. 0006338/2015

2009/2012 **Co-principal investigator** Project "New modulator of cannabinoid receptors"– NuMoReCa I° Distretto Tecnologico delle Bioscienze (DTB) - Regione Lazio.

## Dr Gasperi Valeria - Curriculum Vitae

- 2011/2013 PRIN - (DM 51 9/19/2010. prot. 20095SWFHZ\_003 – “Ruolo degli endocannabinoidi nella modulazione della megacariopoiesi e piastrinogenesi: studi in modelli cellulari”.
- 2008/2010 PRIN (DM 1175 9/18 2007). prot. 2007NMKBKL\_003) “Differenziamento e morte cellulare indotti dagli endocannabinoidi in piastrine e loro precursori: ruolo dello stato redox”.
- 2006/2009 Italian Space Agency Project (ASI-ESA-NASA) – “Disturbi del Controllo Motorio e Cardiorespiratorio (DCMC)” contract I006/06/0: Workpackage WP 1B1521: “The Endocannabinoid System and Apoptosis of Human Neuronal Cells under Space conditions”.
- 2006/2009 Italian Space Agency Project (ASI-ESA-NASA)– “Disturbi del Controllo Motorio e Cardiorespiratorio (DCMC)” contract I006/06/0: Workpackage WP 1B1/6: “Programmed cell death: new tools from space research”
- 2006/2009 Italian Space Agency Project (ASI-ESA-NASA) – “From Molecules To Man: Biotechnological Applications of Space Research” (MoMa)” contract I014/06/0: Workpackage WP 1B1241-XA: “LIF, lymphocytes, Apoptosis & Ageing”.
- 2006/2009 Italian Space Agency Project (ASI-ESA-NASA) – “From Molecules To Man: Biotechnological Applications of Space Research” (MoMa)” contract I014/06/0: Workpackage WP 1B1241-X9 “Dysregulation and ageing”.
- 2006/2009 Italian Space Agency Project (ASI-ESA-NASA) – “From Molecules To Man: Biotechnological Applications of Space Research” (MoMa)” contract I014/06/0: Workpackage WP 1B1242-X2 “Lymphocytes survival, ageing and death”.

### Participation to Scientific Societies

Member of the Platelet Study Group (GSP)

Member of the Italian Society of Human Nutrition (SINU)

### Editorial Board member

Since 2010 “Frontiers in Membrane Physiology and Biophysics” (JCR impact factor 3.201): Review editor

Since 2019- "International Journal of Molecular Sciences" (IJMS; JCR impact factor 5.923, 5-year Impact Factor: 4.331): Editorial Board member.

Guest editor for the following Special issues for IJMS:

- Molecular Research on Platelet Activity in Health and Disease
- Molecular Research on Platelet Activity in Health and Disease 2.0
- Molecular Research on Platelet Activity in Health and Disease 3.0
- Molecular Research on Platelet Activity in Health and Disease 2022
- Noncoding RNAs: Molecular Mechanisms and Physio-Pathological Implications
- Diet and lifestyle: impact on the molecular and cellular mechanism of NCDs

Referee for several international scientific peer-reviewed journals, including International Journal of Molecular Sciences, Cells, Toxics, Experimental Neurology, Antioxidants, Cannabis and Cannabinoid Research, Theranostics, Communications Biology – Nature.

### SCIENTIFIC PRODUCTION

The global research activity of Dr. Gasperi has led to the publication of over 60 articles in international scientific journals (H-index = 28; 2864 citations at 16/3/2022), 3 monographs/book chapters and more than 50 presentations at National and International Congresses.

ORCID ID: <https://orcid.org/0000-0003-3200-8093>

Total papers	68
First author	19 (28%)
Last author	8 (10%)
Corresponding	17 (25%)

### 2022

1. **Gasperi V\***, Guzzo T., Topai A, Gambacorta N, Ciriaco F, Nicolotti O, Maccarrone M. Recent advances on type-2 cannabinoid (CB2) receptor agonists and their therapeutic potential. *Current Medicinal Chemistry*. 2022 in press [IF. 4.53 al 2020]
2. Catani MV, Savini I, **Gasperi V\***. Molecular Research on Platelet Activity in Health and Disease 3.0. *Int J Mol Sci*. 2022 in press. [IF. 5.923 al 2020].
3. **Gasperi V**, Savini I, Catani MV. Assay of CB1 Receptor Binding. *Methods Mol Biol*. 2022 in press

[IF. 1.17 al 2020]

4. Catani MV, Tullio V, Maccarrone M, **Gasperi V\***. DNA-Protein-Interaction (DPI)-ELISA Assay for PPAR- $\gamma$  Receptor Binding. *Methods Mol Biol.* **2022** in press

[IF. 1.17 al 2020]

5. Tullio V, Sibilano M, Adorno S, Savini I, Catani MV, **Gasperi V\***. Platelet-Derived miR-126-3p directly targets AKT2 and exerts anti-tumor effects in breast cancer cells: further insights in platelet-cancer interplay. *Int. J. Mol.Sci. Int. J. Mol. Sci.* 2022, 23, 5484. <https://doi.org/10.3390/ijms23105484>

[IF. 5.923 al 2020]

## **2021**

6. Catani MV, Rinaldi F, Tullio V, Savini I, **Gasperi V\***. Comparative analysis of phenolic composition and antioxidant activity of six commercially available chamomile (*Matricaria chamomilla* L.) extracts on human colon Caco2 cells. *Int. J. Mol.Sci.* 2021, 22, 10601.

[IF. 5.923 al 2020].

7. Catani MV, Savini I, Tullio V, **Gasperi V\***. Molecular Research on Platelet Activity in Health and Disease 2.0. *Int J Mol Sci.* 2021 May 7;22(9):4968. doi: 10.3390/ijms22094968.

[IF. 5.923 al 2020].

8. Croci S, D'Apolito LI, **Gasperi V\***, Catani MV, Savini I. [Dietary Strategies for Management of Metabolic Syndrome: Role of Gut Microbiota Metabolites.](#) *Nutrients.* 2021;13(5):1389.

[IF.5.719 al 2020]. Cit. 5

## **2020**

9. **Gasperi V\***, Tullio V, Catani MV, Savini I. The Impact of Whole Grain Intake on Gastrointestinal Tumors: A Focus on Colorectal, Gastric, and Esophageal Cancers. *Nutrients.* 2020 29;13(1):E81.

[IF.5.719 al 2020]. Cit. 5

10. Catani MV, Savini I, **Gasperi V\***. Molecular research on platelet activity in health and disease. *Int. J. Mol. Sci.* 2020,21, 3804.

[IF. 5.923 al 2020]. Cit. 2

11. **Gasperi V\***, Catani MV, Savini I, Platelet Responses in Cardiovascular Disease: Sex-Related Differences in Nutritional and Pharmacological Interventions. *Cardiovascular Therapeutics* 2020, 2342837

[IF 3.023 al 2020]. Cit. 4

12. Catani MV, Savini I, Tullio V, **Gasperi V\***. The “Janus Face” of Platelets in Cancer. *Int. J. Mol. Sci.* 2020, 21, 788.

[IF 5.923 al 2020]. Cit. 14

## **2019**

13. **Gasperi V\***, Vangapandu C, Savini I, Ventimiglia G, Adorno G, Catani MV. Polyunsaturated fatty acids modulate the delivery of platelet microvesicle-derived microRNAs into breast cancer cells. *J Nutr Biochem.* 2019 27;74:108242. doi: 10.1016/j.jnutbio.2019.108242.

[IF 4.490 al 2019] [IF 6.048 al 2020]. Cit. 14

14. De Cicco P, Catani MV, **Gasperi V**, Sibilano M, Quaglietta M, Savini I. Nutrition and Breast Cancer: A Literature Review on Prevention, Treatment and Recurrence. *Nutrients.* 2019 Jul 3;11(7). pii: E1514.

[IF 4.171 al 2019] [IF.5.719 al 2020]. Cit. 66

15. **Gasperi V\***, Sibilano M, Savini I, Catani MV. Niacin in the central nervous system: an update of biological aspects and clinical applications. *Int J Mol Sci.* 2019. Feb 23;20(4). pii: E974.

[IF. 3.687 al 2019] [IF. 5.923 al 2020]. Cit. 57

## **2018**

16. Catani MV, **Gasperi V**, Bisogno T, Maccarrone M. Essential dietary bioactive lipids in neuroinflammatory diseases. *Antioxid Redox Signal.* 2018 1;29(1):37-60.

[IF. 6.337 al 2018] [IF. 8.401 al 2020]. Cit. 6

## **2017**

17. **Gasperi V**, Vangapandu C, Catani MV, Savini I. Nutrigenomics. In *eLS*. John Wiley & Sons, Ltd: Chichester. 2017. DOI: 10.1002/9780470015902.a0021027.

**2016**

18. Savini I, **Gasperi V**, Catani MV. Nutrigenetics. In *eLS*. John Wiley & Sons, Ltd: Chichester. 2016. DOI: 10.1002/9780470015902.a0021028
19. Catani VM, **Gasperi V\***. Assay of CB1 Receptor Binding. *Methods Mol Biol*. 2016; 1412:41-55. [IF. 1.17 al 2016 e 2020]. Cit. 3
20. Savini I, **Gasperi V**, Catani MV, Oxidative stress and obesity. *Obesity-a practical guide*. In: Ahmad S., Imam S. (eds) Obesity. Springer, Cham 2016. Doi: 10.1007/978-3-319-19821-7

**2015**

21. Catani MV, **Gasperi V**, Savini I, Del Principe D. Platelets and their disorders. In *eLS*. John Wiley & Sons, Ltd: Chichester 2015. doi:10.1002/9780470015902.a0002253.
22. Vangapandu C, **Gasperi V**, Catani MV, Savini I. Obesity and gastrointestinal malignancies. *Reviews In Gastroenterology, Hepatology and Nutrition*. 2015. 2(1), 47-56.
23. **Gasperi V**, Evangelista D, Savini I, Del Principe D, Avigliano L, Maccarrone M, Catani MV. Downstream effects of endocannabinoid on blood cells: implications for health and disease. *Cell Mol Life Sci*. 2015. 2015 72(17):3235-3252. [IF 5.856 al 2015] [IF 9.261 al 2020]. Cit. 8
24. **Gasperi V**, Evangelista D, Oddi S, Florenzano F, Chiurchiù V, Avigliano L, Catani MV, Maccarrone M. Differential regulation of inflammation and proliferation of human bladder carcinoma cells by type-1 and type-2 cannabinoid receptors. *Life Sciences*. 2015; 138:41-51. [IF 2.296 al 2015] [IF 5.037 al 2020]. Cit. 15

**2014**

25. **Gasperi V**, Avigliano L, Evangelista D, Oddi S, Chiurchiù V, Lanuti M, Maccarrone M, Catani MV. 2-Arachidonoylglycerol enhances platelet formation from human megakaryoblasts. *Cell Cycle*. 2014 15;13(24):3938-47. [IF. 5.006 al 2014] [IF 4.534 al 2020]. Cit. 10
26. **Gasperi V\***, Rapino C, Battista N, Bari M, Mastrangelo N, Angeletti S, Dainese E, Maccarrone M. A Functional Interplay between 5-Lipoxygenase and  $\mu$ -Calpain Affects Survival and Cytokine Profile of Human Jurkat T Lymphocyte Exposed to Simulated Microgravity. *BioMed Research International* 2014;2014: 782390. [IF 2.706 al 2014] [IF 3.411 al 2020]. Cit. 10
27. **Gasperi V**, Evangelista D, Chiurchiù V, Florenzano F, Savini I, Oddi S, Avigliano L, Catani MV, Maccarrone M. 2-Arachidonoylglycerol modulates human endothelial cell/leukocyte interactions by controlling selectin expression through CB(1) and CB(2) receptors. *Int J Biochem Cell Biol*. 2014 8;51C:79-88. [IF 4.240 al 2014] [IF 5.075 al 2020]. Cit. 30
28. Tantimonaco M, Ceci R, Sabatini S, Catani MV, Rossi A, Maccarrone M, **Gasperi V\***. Physical activity and the endocannabinoid system: an overview. *Cell Mol Life Sci*. 2014. 71(14):2681-98. [IF 5.615 al 2014] [IF 9.261 al 2020]. Cit. 57
29. **Gasperi V\***, Ceci R, Tantimonaco M, Talamonti E, Battista N, Parisi A, Florio R, Sabatini S, Rossi A, Maccarrone M. The fatty acid amide hydrolase in lymphocytes from sedentary and active subjects. *Med Sci Sports Exerc*. 2014;46(1):24-32 [IF 5.615 al 2014] [IF 5.411 al 2020]. Cit. 21

**2013**

30. Savini I, Catani MV, Evangelista D, **Gasperi V**, Avigliano L. Obesity-associated oxidative stress: strategies finalized to improve redox state. *Int J Mol Sci*. 2013. 21;14(5):10497-538 [IF 2.464 al 2013] [IF 5.923 al 2020]. Cit. 275
31. **Gasperi V\***, Dainese E, Oddi S, Sabatucci AL, Maccarrone M. GPR55 and its Interaction with Membrane Lipids: Comparison with other Endocannabinoid-Binding Receptors. *Curr Med Chem*. 2013;20(1):64-78. [IF 4.859 al 2013] [IF 4.530 al 2020]. Cit. 41

**2012**

32. 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;52(9):1350-1361  
[IF 2.51 al 2012] [IF 5.887 al 2020]. Cit. 35

### **2011**

33. Bari M, Tedesco M, Battista N, Pasquariello N, Pucci M, **Gasperi V**, Scaldaferrì ML, Farini D, De Felici M, Maccarrone M. Characterization of the endocannabinoid system in mouse embryonic stem cells. *Stem Cells Dev*. 2011;20(1):139-47.  
[IF 4.459 al 2011] [IF 3.272 al 2020]. Cit. 16

### **2010**

34. **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  
[IF 3.23 al 2010] [IF 1.990 al 2020]. Cit. 28
35. 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.  
[IF 9.45 al 2010] [IF 11.848 al 2020]. Cit. 10
36. Greco R, **Gasperi V**, Maccarrone M, Tassorelli C. The endocannabinoid system and migraine. *Exp Neurol*. 2010; 224(1):85-91.  
[IF 4.7 al 2010] [IF 5.330 al 2020]. Cit. 45
37. **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.  
[IF. 6.57 al 2010] [IF 9.261 al 2020]. Cit. 24
38. Greco R, **Gasperi V**, 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*. 2010. 30(3):296-302.  
[IF 3.43 al 2010] [6.292 al 2020]. Cit. 42

### **2009**

39. 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.  
[IF 8.312 al 2009] [IF 9.901 al 2020]. Cit. 18
40. 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.  
[IF 4.061 al 2009] [IF 5.372 al 2020]. Cit. 37
41. 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*. 2009. 87(1):65-74  
[IF. 4.67 al 2009] [IF. 4.599 al 2020]. Cit. 16

### **2008**

42. 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.  
[IF 4.48 al 2008] [IF 6.918 al 2020]. Cit. 18
43. 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;152(3):734-40.  
[IF 3.38 al 2008] [IF 3.590 al 2020]. Cit. 33

44. 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.  
[IF 15.531 al 2008] [IF 24.880 al 2020]. Cit. 251
45. 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.  
[IF 4.061 al 2008] [IF 5.372 al 2020]. Cit. 93
46. 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.  
[IF 4.814 al 2008] [IF 5.250 al 2020]. Cit. 40

### **2007**

47. 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.  
Cit 3
48. 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.  
[IF 3.6 al 2007] [IF 4.045 al 2020]. Cit. 98
49. 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, Di Donato 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; 27(1):36-43.  
[IF 5.403 al 2007] [IF 5.996 al 2020]. Cit. 30
50. 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.  
[IF 3.663 al 2007] [IF 4.314 al 2020]. Cit. 30

### **2006**

51. **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.  
[IF 6.57 al 2006] [IF 9.261 al 2020]. Cit. 115
52. 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*. 2006. 282(6):3829-36.  
[IF 4.773 al 2006] [IF 5.157 al 2020]. Cit. 14
53. **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.  
[IF 4.46 al 2006] [IF 4.736 al 2020]. Cit. 69
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