

CURRICULUM VITAE

MARIA VITTORIA MICIONI DI BONAVENTURA

NAME AND SURNAME: Maria Vittoria Micioni Di Bonaventura

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PROFESSIONAL EDUCATION

January - August 2017

Scientific research activity at the University of Experimental Therapeutics Institute, Mount Sinai Hospital, New York (USA). Supervisor: Paul J Kenny, PhD, Ward-Coleman Professor and Chair Arthur M. Fishberg Department of Neuroscience Experimental Therapeutics Institute Icahn School of Medicine at Mount Sinai.

March and May 2015

Scientific research activity at the University of Zurich, Institute of Veterinary Physiology, Veterinary Faculty and Centre for Integrative Human Physiology, regard activation of extracellular signal regulated kinase (ERK) signaling pathway in ovariectomized female rats in which binge eating episodes were evoked. Supervisors: Prof. Thomas A. Lutz and Dr. Lori Asarian

1st - 5th September 2014

International **Summer School** on Nutrigenomics, Camerino.

28th June - 4th July 2014

XII International **Summer School** of Neuroscience "Dopamine", Catania, Italy. Federation of European Pharmacological Societies (EPHAR), Italian Society of Pharmacology (SIF), Italian Society of Neuropsychopharmacology (SINPF)

July 2013 - July 2016

Post-doc position: "Epigenetic modulation of eating disorders and obesity: searching for new pharmacotherapies", School of Pharmacy, University of Camerino.

22nd February 2013

Master course in "Manager of Pharmaceutical Department", School of Pharmacy, University of Camerino.

26th - 28th September 2012

Summer School "Drug Addiction: from Basic Science to Clinical Management", Busto Arsizio (Varese).

July 2012 - June 2013

Post-doc position: "Innovative strategies for the pharmacotherapy of Binge Eating Disorder and Bulimia Nervosa", School of Pharmacy, University of Camerino.

24th February 2012

PhD in Pharmaceutical Sciences and Biotechnology, University of Camerino with full marks: "Innovative pharmacological strategies for treatment of binge-type eating disorders". Mentors: Prof. Maurizio Massi, Dr. Carlo Cifani.

September 2011 - February 2012

Scientific research activity at the University of Zurich, Institute of Veterinary Physiology, Veterinary Faculty and Centre for Integrative Human Physiology, regard the ovarian hormones mechanisms and influence on binge eating episodes. Supervisors: Prof. Thomas A. Lutz and Dr. Lori Asarian.

January 2010 - April 2010

Scientific Projects with the pharmaceutical industry GlaxoSmithKline: Framework agreement for the implementation of research, testing, studies, analysis and evaluation of products of GlaxoSmithKline on excessive feeding elicited environmental-food associated cues in female rats with food restriction history; Assessment of GSK compounds activity in rat compulsive eating model elicited by repeated episodes of food restriction/re-feeding and acute stress.

2009 - 2011

Pharmacology studies as PhD student at the Department of Experimental Medicine and Public Health, University of Camerino, aimed at developing animal models for the study and treatment of eating disorders and the development of therapeutic strategies in the treatment of alcohol abuse.

December 2008

Winner of the competition for a position of **PhD student** in "Pharmaceutical Sciences and Biotechnology", XXIV Cycle, at the Experimental Medicine and Public Health Department, Pharmacology Unit, University of Camerino.

September - December 2008

Fellowship for research activities: "Effects of Nociceptin/Orphanin FQ in a Model of Binge-Eating Elicited by Yo-Yo Dieting and Stressful Exposure to Food in Female Rats" at the Department of Experimental Medicine and Public Health, University of Camerino. Mentor: Prof. Maurizio Massi

August 2008

English intensive EF Summer course in London.

28th March 2008

Degree in Pharmacy at the University of Camerino, 110/110 and honours: *Congenit DA.WOKW females are suitable models to elucidate the genetics of binge eating disorder?* Mentors: Prof. Ingrid Kloeting, Prof. Carlo Polidori.

September 2007 - March 2008

Erasmus period (6 months) at the Biotechnikum, University of Greifswald, Germany. Supervisor: Prof. Ingrid Kloeting. Studies to investigate the relationship between genetic differences and the development of binge eating in *Wistar Ottawa KarlsburgW (WOKW) rats*, characterized

phenotypically and genetically for the metabolic syndrome, and in *resistant strain (DA) rats* and finally in *congenic DA.WOK rat lines* generated by crossing them.

June 2006 - July 2007

Scientific research aimed at preparing experimental degree thesis at the Department of Pharmacological Sciences and Experimental Medicine, University of Camerino. Behavioural pharmacology studies, focused on the development of animal models for the analysis and treatment of binge eating.

August 2005

Short Term Program (4 weeks) at the **English language Centre of Victoria University, Canada.**

July 2002

High school scientific diploma - Liceo Scientifico Peano, Nereto (TE), Italy.

RESEARCH PROJECTS AND FUNDING ATTRACTION

1) 2015: FAR PROJECT: Obesity-related nervous system injury: treatment strategies linked to pathophysiology. Project Funded University of Camerino.

Total funding: 35.000 euro.

Dr. Maria Vittoria Micioni Di Bonaventura is the post-doc of the Pharmacology Research Unit of the University of Camerino. Investigator.

2) 2014-2016: PRIN PROJECT 2012 Funded by MIUR (Ministry of Education, University and Research). “The endocannabinoid system as possible target for the treatment of obesity-related disorders: beyond cannabinoid receptors”. Project Funded by Ministerial Decree n. 2414 of 2013 November 27. **Total funding: 310.158 euro.**

Dr. Maria Vittoria Micioni Di Bonaventura is the post-doc of the Research Unit of the University of Camerino, dedicated to this project and collaborates with the two coordinators of the other two Units.

3) 2013-2015: FIRB PROJECT Funded by MIUR (Ministry of Education, University and Research): Epigenetic modulation of eating disorders and obesity: searching for new pharmacotherapies. Project Funded by Ministerial Decree n. 735 of 2012 November 6.

Total funding: 864.000 euro.

Dr. Maria Vittoria Micioni Di Bonaventura is the post-doc of the Research Unit of the University of Camerino, dedicated to this project and collaborates with the three coordinators of the other three Units.

6) FAR Project 2012: Food and health: lentils as a novel tool for nutraceutical approach. Funded by the University of Camerino. Total funding: 58.000 euro.

Member of Unit of Pharmacology of the School of Pharmacy (Pharmacology Unit).

DIDACTIC ACTIVITY

Academic Year 2013-2014 / 2014-2015 / 2015-2016/2016-2017

Lecturer of the course: "Health products of plant origin", School of Pharmacy, University of Camerino, Bachelor Degree in "Scientific Information on Drugs and Sciences of Fitness and Health Products", 8 CFU, 56 hours teaching.

Academic Years 2009-2010 / 2010-2011 / 2012-2013 / 2013-2014

Didactic Tutor of the University Master of second level "*Manager of Pharmaceutical Departments*", University of Camerino. The Master is organized in collaboration with the Italian Society of Pharmacology (SIF), the Italian Society of Hospital Pharmacy (SIFO), the Hospital "Papa Giovanni XXIII" of Bergamo and the ASUR Marche. This is an initiative of major importance in terms of educational (200 hours of frontal lessons) commitment. 50 students for each Edition.

Academic Years 2014-2015, 2015-2016, 2016-2017

Vice director of the University Master of second level "*Manager of Pharmaceutical Departments*", University of Camerino.

Since 7th March 2012 until now

Exam Committee member of the teaching of Pharmacology and Pharmacotherapy I for the degree courses of Pharmacy and Scientific Information on Drugs: Faculty Council of 7th March 2012.

Since 3rd October 2014 until now

Exam Committee member of the teaching of Pharmacology and Pharmacotherapy II for the degree courses of Pharmacy: Faculty Council of 3rd October 2014.

2014-2016

Post Doctoral research representative of School of Pharmacy, University of Camerino.

Academic Years 2011-2012 / 2012-2013 / 2013-2014/ 2014-2015/ 2015-2016/2016-2017

Co-Mentor of 16 master thesis in *Pharmacology and Pharmacoterapy* (School of Pharmacy, University of Camerino).

Co-Mentor 1 master thesis in *Pharmacology and Pharmacoterapy* (Scientific Information on Drugs, University of Camerino).

Co-Mentor 1 master thesis in *Health products of plant origin* (Scientific Information on Drugs and Sciences of Fitness and Health Products, University of Camerino).

SCIENTIFIC AWARDS

2016

L'Oréal-UNESCO Awards for Women in Science: 20.000 euro.

2015

EBPS Travel Award for Joint Meeting EBPS (European Behavioural Pharmacology Society)-EBBS (European Brain and Behaviour Society), Verona, September 12-15

2015

IBRO PERC-FENS World Congress Travel Grants FOR 9th World Congress of the International Brain Research Organization (IBRO), Rio de Janeiro, Brazil, 7-11 July 2015.

2014

IBRO (International Brain Research Organization) AWARD: Selected for the IBRO InEurope Short Stay Program at University of Zurich: 3,000 euro.

2014

TRAVEL AWARD at XII International Summer School of Neuroscience "Dopamine", Catania, 28 June-4 July, 2014 Federation of European Pharmacological Societies (EPHAR), Italian Society of Pharmacology (SIF), Italian Society of Neuropsychopharmacology (SINPF).

2014

TRAVEL AWARD at the FENS (Federations of European Neuroscience Societies) FORUM in Milan, 2014 July 5-9.

2014

TRAVEL AWARD at the ECNP (European College of Neuropsychopharmacology) Workshop for Junior Scientists in Europe, Nice (France), 2014 March 3-6.

2014

Mentor of 2013 Best thesis in Pharmacology in Italian University: experimental thesis of Stefania Mazzotta: "Effetto di agonisti del recettore adenosinico A_{2A} sull'assunzione di cibo standard e palatabile in ratte". Scientific committee: "FarmacistaPiù, Il futuro della professione", Federazione Ordini Farmacisti Italiani (FOFI), Roma, 2014, April 5.

2013

BEST POSTER PRESENTATION at the 36th Conference of the Italian Society of Pharmacology "Influence of the ovarian cycle on binge eating evoked in female rats by stress and food restrictions", Torino, 2013 October, 23-26

2013

FARMINDUSTRIA - ITALIAN SOCIETY OF PHARMACOLOGY AWARD

Award 10,000 euro for best scientific production in years 2009-2013

Torino, 2013 October, 25

2012

TRAVEL AWARD for the Summer School "Drug Addiction: from Basic Science to Clinical Management", Busto Arsizio (Varese), 2012 September, 26-28

2008

Winner of the national competition *LEONARDO DA VINCI 2007-2008 "UNIPHARMA GRADUATES-4"*, Rome.

2002 - 2008

Winner of University Scholarship

Academic years: 2002/2003 - 2003/2004 - 2005/2006 - 2007/2008 and during the Erasmus project

MEMBERSHIP SCIENTIFIC SOCIETY

SIF: Italian Society of Pharmacology

SFN: Society for Neuroscience

SSIB: Society for the Study of the Ingestive Behavior

IBNS: International Behavioral Neuroscience Society

EBPS: European Behavioural Pharmacology Society

ECNP: European College Of Neuropsychopharmacology

SKILLS

Behavioral techniques and methodologies:

General small laboratory animal handling.

Operant self-administration of food and drugs.

Anxiety tests (Plus maze, defensive burying).

Open field, locomotor activity analysis

Porsolt test (forced swimming)

Experimental paradigms of drug addiction

Experimental paradigms of cognition

Drug administration:

Intraoral, intraperitoneal, subcutaneous and intracranial injections.

Surgical procedures:

Intracranial surgery with stereotaxical method.

Neuroanatomic knowledge:

Brain microdissection techniques.

Use of cryostat.

Immunohistochemistry:

Fos immunohistochemistry.

pERK immunohistochemistry.

Informatic:

Good informatic knowledge: Office (Microsoft Word, Excel, Access, Power Point), statistical programs (Superanova, Systat), internet for biomedic data banks researches, Micromedex for specific drugs information

Language:

Good English, written and spoken

SCIENTIFIC PUBLICATIONS

1. Micioni Di Bonaventura MV, Lutz TA, Romano A, Pucci M, Geary N, Asarian L, and Cifani C. Estrogenic suppression of binge-like eating elicited by cyclic food restriction and frustrative-nonreward stress in female rats. **International Journal of Eating Disorders**. DOI:10.1002/eat.22687. In press.
2. Vitale G, Filafarro M, Micioni Di Bonaventura MV, Ruggieri V, Cifani C, Guerrini R, Simonato M and Zucchini S. Effects of [Nphe¹, Arg¹⁴, Lys¹⁵] N/OFQ-NH₂ (UFP-101), a potent NOP receptor antagonist, on molecular, cellular and behavioral alterations associated with chronic mild stress. **Journal of Psychopharmacology** 1–13 DOI: 10.1177/0269881117691456. In press.
3. Alboni S, Micioni Di Bonaventura MV, Benatti C, Giusepponi ME, Brunello N, Cifani C. Hypothalamic expression of inflammatory mediators in an animal model of binge eating. **Behav Brain Res**. 2016 Oct 28. pii: S0166-4328(16)30950-0. doi: 10.1016/j.bbr.2016.10.044. [Epub ahead of print].
4. Romano A, Koczwara JB, Gallelli CA, Vergara D, Micioni Di Bonaventura MV, Gaetani S, Giudetti AM. Fats for thoughts: an update on brain fatty acid metabolism. **Int J Biochem Cell Biol**. 2017 Jan 5. pii: S1357-2725(16)30405-8. doi: 10.1016/j.biocel.2016.12.015. [Epub ahead of print]
5. Giusepponi ME, Cifani C, Micioni Di Bonaventura MV, Mattioli L, Hudson A, Diamanti E, Del Bello F, Giannella M, Mammoli V, Paoletti CD, Piergentili A, Pigini M, Quaglia W. Combined Interactions with I1-, I2-Imidazoline Binding Sites and α 2-Adrenoceptors To Manage Opioid Addiction. **ACS Med Chem Lett**. 2016; Sep 8;7(10):956-961.
6. Del Bello F, Bonifazi A, Giannella M, Giorgioni G, Piergentili A, Petrelli R, Cifani C, Micioni Di Bonaventura MV, Keck TM, Mazzolari A, Vistoli G, Cilia A, Poggesi E, Matucci R, Quaglia W. The replacement of the 2-methoxy substituent of N-((6,6-diphenyl-1,4-dioxan-2-yl)methyl)-2-(2-methoxyphenoxy)ethan-1-amine improves the selectivity for 5-HT1A receptor over α 1-adrenoceptor and D2-like receptor subtypes. **Eur J Med Chem**. 2017 Jan 5;125:233-244. I
7. Romano A, Tempesta B, Micioni Di Bonaventura MV, Gaetani S. From autism to eating disorders and more: the role of oxytocin in neuropsychiatric disorders. **Frontiers in Neuroscience** 2016; Jan 12;9:497.00497.
8. Pucci M*, Micioni Di Bonaventura MV*, Giusepponi ME, Romano A, Filafarro M, Maccarrone M, Ciccocioppo R, Cifani C, D'Addario C. Epigenetic regulation of nociceptin/orphanin FQ and corticotropin-releasing factor system genes in frustration stress-induced binge-like palatable food consumption *Equally contributed to this paper. **Addiction Biology** 2015; Nov;21(6):1168-1185.
9. Cifani C, Micioni Di Bonaventura MV, Pucci M, Giusepponi ME, Romano A, Di Francesco A, Maccarrone M, D'Addario C. Regulation of hypothalamic neuropeptides gene expression in diet induced obesity resistant rats: possible targets for obesity prediction? **Frontiers in Neuroscience** 2015; 8;9:187.

10. Bedse G, Romano A, Tempesta B, Lavecchia MA, Pace L, Bellomo A, Duranti A, Micioni Di Bonaventura MV, Cifani C, Cassano T, Gaetani S. Inhibition of anandamide hydrolysis enhances noradrenergic and GABAergic transmission in the prefrontal cortex and basolateral amygdala of rats subjected to acute swim stress. **Journal of Neuroscience Research** 2015: **93(5):777-87**.
11. Del Bello F, Bargelli V, Cifani C, Gratteri P, Bazzicalupi C, Diamanti E, Giannella M, Mammoli V, Matucci R, Micioni Di Bonaventura MV, Piergentili A, Quaglia W, Pigni M. Antagonism/Agonism Modulation in the Building of Selective I1-Imidazoline Receptor Agonists as Antihypertensive Agents. **ACS Medicinal Chemistry Letters**. 2015: **3;6(5):496-501**.
12. Di Francesco A, Falconi A, Di Germanio C, Micioni Di Bonaventura MV, Costa A, Caramuta S, Del Carlo M, Compagnone D, Dainese E, Cifani C, Maccarrone M, D'Addario C. Extravirgin olive oil up-regulates CB1 tumor suppressor gene in human colon cancer cells and in rat colon via epigenetic mechanisms. **Journal of Nutritional Biochemistry** 2015: **26(3):250-8**.
13. Di Francesco A, Arosio B, Falconi A, Micioni Di Bonaventura MV, Karimi M, Mari D, Casati M, Maccarrone M, D'Addario C. Global changes in DNA methylation in Alzheimer's disease peripheral blood mononuclear cells. **Brain Behavior and Immunity** 2015: **45:139-44**.
14. Micioni Di Bonaventura MV, Ciccocioppo R, Ubaldi M, Rice KC, Bossert JM, St. Laurent RM, Romano A, Gaetani S, Massi M, Shaham Y, Cifani C. Role of BNST CRF receptors in frustration stress-induced binge-like palatable food consumption in female rats with a history of food restriction. **Journal of Neuroscience** 2014: **34(34):11316-24**.
15. D'Addario C, Micioni Di Bonaventura MV, Pucci M, Romano A, Gaetani S, Ciccocioppo R, Cifani C, Maccarrone M. Endocannabinoid signaling and food addiction. **Neuroscience and Biobehavioral Reviews** 2014: **47:203-24**.
16. Romano A, Karimian Azari E, Tempesta B, Mansouri A, Micioni Di Bonaventura MV, Ramachandran D, Lutz TA, Bedse G, Langhans W, Gaetani S. High dietary fat intake influences the activation of specific hindbrain and hypothalamic nuclei by the satiety factor oleoylethanolamide. **Physiology & Behavior** 2014: **136:55-62**.
17. Filafferro M, Ruggieri V, Novi C, Calò G, Cifani C, Micioni Di Bonaventura MV, Sandrini M, Vitale G. Functional antagonism between nociceptin/orphanin FQ and corticotropin-releasing factor in rat anxiety-related behaviors: Involvement of the serotonergic system. **Neuropeptides** 2014: **48(4):189-97**.
18. Micioni Di Bonaventura MV, Ubaldi M, Liberati S, Ciccocioppo R, Massi M, Cifani C. Caloric restriction increases the sensitivity to the hyperphagic effect of Nociceptin/Orphanin FQ limiting its ability to reduce binge eating in female rats. **Psychopharmacology** 2013: **228(1):53-63**.
19. Micioni Di Bonaventura MV, Cifani C, Vitale G, Massi M. Effect of Hypericum perforatum extract in an experimental model of Binge Eating in female rats. **Journal of obesity** 2012: **956137**.
20. Micioni Di Bonaventura MV, Cifani C, Lambertucci C, Volpini R, Cristalli G, Massi M. A2A adenosine receptor agonists reduce both high-palatability and low-palatability food intake in female rats. **Behavioural Pharmacology** 2012: **23(5-6):567-74**.

21. Piccoli L*, Micioni Di Bonaventura MV*, Cifani C*, Costantini VJ, Massagrande M, Montanari D, Martinelli P, Antolini M, Ciccocioppo R, Massi M, Merlo-Pich E, Di Fabio R, Corsi M. Role of orexin-1 receptor mechanisms on compulsive food consumption in a model of binge eating in female rats. **Neuropsychopharmacology 2012: 37(9):1999-2011**. *Equally contributed to this paper.
22. Micioni Di Bonaventura MV, Cifani C, Lambertucci C, Volpini R, Cristalli G, Frolidi R, Massi M. Effects of A2A Adenosine Receptor blockade or stimulation on alcohol intake in alcohol-preferring rats. **Psychopharmacology 2012: 219(4):945-57**.
23. Cifani C, Micioni Di Bonaventura MV, Cannella N, Fedeli A, Guerrini R, Calò G, Ciccocioppo R, Ubaldi M. Effect of Neuropeptide S Receptor Antagonists and Partial Agonists on Palatable Food Consumption in the Rat. **Peptides 2011: 32(1):44-50**.
24. Calò G, Rizzi A, Cifani C, Micioni Di Bonaventura MV, Regoli D, Massi M, Salvadori S, Lambert DG, Guerrini R. UFP-112 a potent and long lasting agonist selective for the nociceptin/orphanin FQ receptor. **CNS Neuroscience & Therapeutics 2011: 17(3):178-198**.
25. Cifani C, Micioni Di Bonaventura MV, Vitale G, Ciccocioppo R, Massi M. Effect of Salidroside, active principle of *Rhodiola rosea* extract, on binge eating. **Physiology & Behavior 2010: 101(5):555-62**.

BOOK CHAPTER

- 1) Cifani C, Micioni Di Bonaventura MV, Ciccocioppo R, Massi M. Binge eating in female rats induced by yo-yo dieting and stress. In: Animal models of Eating Disorders, Neuromethods series (Springer Protocols, Humana Press) Ed. Nicole Avena. **Neuromethods, Vol. 74, 2013**.

70 COMMUNICATIONS TO SCIENTIFIC CONFERENCES

- 1) M.V. Micioni Di Bonaventura, S. Alboni, C. Benatti, M. E. Giusepponi, N. Brunello, C. Cifani. Transcriptional effects on hypothalamic inflammatory mediators in an animal model of binge eating. **46th SfN annual meeting San Diego (USA), 12-16 November 2016**.
- 2) M. Moruzzi, M.V. Micioni Di Bonaventura, A. Frugranti, F. Dini, A. Marchegiani, I. Martinelli, M.E. Giusepponi, C. Martini, C. Polidori, S.K. Tayebati, F. Amenta, C. Cifani, D. Tomassoni. Evidence of obesity-related brain injury in Diet-Induced Obesity (DIO) rats: macro-and micro-anatomical analysis. **XXVI Convegno Nazionale del Gruppo Italiano per lo Studio della Neuromorfologia (G.I.S.N.), Verona (Italy) 24-25 November 2016**.
- 3) Pucci M., Micioni Di Bonaventura M.V., Vezzoli V., Scacchi M., Persani L., Mai S., Maccarrone M., Cifani C., D'Addario C. Regolazione epigenetica sesso dipendente di CNR1 nell'obesità. **XIX Congresso Nazionale Della Società Italiana Di Neuropsicofarmacologia:"Il farmaco e le neuroscienze" Acireale (CT), 11-14 October 2016**.
- 4) Gianni Sagratini, Carlo Cifani, Cinzia Cecchini, Pilar Vila Donat, Maria Vittoria Micioni Di Bonaventura, Giovanni Caprioli, Maria Magdalena Coman, Alberto Cresci, Dennis Fiorini, Massimo Ricciutelli, Stefania Silvi, Sauro Vittori. **Lentils as tool for a novel nutraceutical approach. XI Congresso Italiano di chimica degli alimenti Cagliari (Italia) 4-7 October 2016**.
- 5) D. Tomassoni, M. V. Micioni di Bonaventura, A. Fruganti, F. Dini, A. Marchegiani, M. Moruzzi, M.E. Giusepponi, L. Turchetti, C. Marini, M.G. Gabrielli, C. Polidori, S.K. Tayebati, F. Amenta, C.

Cifani. Obesity-related nervous system injury: preliminary evidences in diet induced obesity (DIO) rats. **70th Meeting of the Italian Society of Anatomy and Histology Roma (Italy), 15-17 September.**

- 6) M.V. Micioni Di Bonaventura, T. Lutz, A. Romano, C. D'Addario, L. Asarian, C. Cifani. Estradiol-dependent decreases in emotional binge-like eating are associated with decreased brain pERK expression in ovariectomized rats. **10th FENS Forum of Neuroscience 2-6 July, 2016 Copenhagen, Denmark.**
- 7) Giovanni Caprioli, Cinzia Cecchini, Alberto Cresci, Carlo Cifani, Dennis Fiorini, Maria Vittoria Micioni di Bonaventura, Pilar Vila-Donat, Sauro Vittori, Gianni Sagratini. Lentils: a healthy food and a possible source of nutraceuticals with cholesterol-lowering and prebiotic actions. **Meeting "Alimenti funzionali e nutraceutici per la salute" Camerino (Italy), 28 June 2016.**
- 8) ME Giusepponi, C Cifani, MV Micioni Di Bonaventura, F Del Bello, M Giannella, V Mammoli, A Piergentili, W Quaglia. Novel imidazoline molecules inspired by the pharmacological profile of agmatine as potential tools in managing opioid addiction. **33th Camerino-Cyprus Symposium, Camerino (Italy), May 15-19 2016.**
- 9) MV Micioni Di Bonaventura, M Pucci, ME Giusepponi, C Lambertucci, R Volpini, M Maccarrone, C D'Addario, C Cifani. Epigenetic regulation of adenosine A_{2A} and dopamine D₂ receptor gene transcription on compulsive food consumption. **37° Congress of the Italian Society of Pharmacology (SIF), Napoli, October 27-30 2015.** Abstract book: P1/129
- 10) Micioni Di Bonaventura MV, Lutz TA, Romano A, Asarian L, Cifani C. Estradiol-dependent decreases in emotional binge-like eating are associated with decreased brain pERK expression in ovariectomized rats. **37° Congress of the Italian Society of Pharmacology (SIF), Napoli, October 27-30 2015.** Abstract book: Abstract book. P1/128
- 11) C Cifani, MV Micioni Di Bonaventura, ME Giusepponi, M Pucci, A Romano, A Di Francesco, M Maccarrone, C D'Addario. Regulation of hypothalamic neuropeptides gene expression in diet induced obesity resistant rats: possible targets for obesity prediction? **37° Congress of the Italian Society of Pharmacology (SIF), Napoli, October 27-30 2015.** Abstract book: P1/142
- 12) ME Giusepponi, MV Micioni Di Bonaventura, M Pucci, A Romano, M Maccarrone, R Ciccocioppo, C D'Addario, C Cifani. Epigenetic regulation of nociceptin/orphanin FQ and corticotropin-releasing factor system genes in frustration stress-induced binge-like palatable food consumption. **37° Congress of the Italian Society of Pharmacology (SIF), Napoli, October 27-30 2015.** Abstract book: P1/143
- 13) ME Giusepponi, MV Micioni Di Bonaventura, A Romano, Gaetani S, C Cifani. Effect of oleoylethanolamide in an animal model of binge eating and in a model of reinstatement of high-fat food seeking. **37° Congress of the Italian Society of Pharmacology (SIF), Napoli, October 27-30 2015.** Abstract book: P1/86.
- 14) C. D'addario, B. Dell'osso, M. Palazzo, M. Pucci, A. Falconi, M.V. Micioni Di Bonaventura, C. Cifani, C.A. Altamura, M. Maccarrone. Transcriptional regulation of endocannabinoid system genes in psychiatric disorders. **45th SfN annual meeting Chicago, 7-21 October 2015.**
- 15) MV Micioni Di Bonaventura, TA Lutz, A Romano, C D'Addario, L Asarian, Cifani C. Influence of the ovarian cycle and estradiol on binge eating evoked in female rats by food restriction followed by frustration stress. **EBPS-EBBS Meeting Verona, Italy; 12-15 September 2015**
- 16) MV Micioni Di Bonaventura, M Pucci, ME Giusepponi, C Lambertucci, R Volpini, Maccarrone C, C D'Addario, C Cifani. Epigenetic regulation of adenosine A_{2A} and dopamine D₂ receptor gene transcription on compulsive food consumption. **EBPS-EBBS Meeting Verona, Italy; 12-15 September 2015**
- 17) C. Cifani, M.V. Micioni Di Bonaventura, M. Pucci, M. E. Giusepponi A. Romano, A. Di Francesco, M. Maccarrone, C. D'Addario. Regulation of hypothalamic neuropeptides gene expression in diet induced obesity resistant rats: possible targets for obesity prediction? **EBPS-EBBS Meeting Verona, Italy; 12-15 September 2015**
- 18) Giusepponi ME, Micioni Di Bonaventura MV, Pucci M, Romano A, Maccarrone M, Ciccocioppo R, D'Addario C, Cifani C. Epigenetic regulation of nociceptin/orphanin FQ and corticotropin-releasing factor system genes in frustration stress-induced binge-like palatable food consumption. **EBPS-EBBS Meeting Verona, Italy; 12-15 September 2015**
- 19) MV Micioni Di Bonaventura, M Pucci, ME Giusepponi, A Romano, M Maccarrone, R Ciccocioppo, C Cifani, C D'Addario. Epigenetic regulation of nociceptin/orphanin FQ and corticotropin-releasing factor system genes in frustration stress-induced binge-like palatable food consumption. **28th ECNP**

Congress Amsterdam, 29 August-1 September 2015. European Neuropsychopharmacology 2015;25(Suppl 2):S627.

- 20) M Pucci, MV Micioni Di Bonaventura, V Vezzoli, M Scacchi, L Persani, S Mai, A Di Francesco, M Maccarrone, C Cifani, C D'Addario. Genetic and epigenetic regulation of cannabinoid receptor type-1 in obesity. **28th ECNP Congress Amsterdam, 29 August-1 September 2015.** European Neuropsychopharmacology 2015;25(Suppl 2):S169
- 21) C D'Addario, MV Micioni Di Bonaventura, M Pucci, ME Giusepponi, A Di Francesco, M Maccarrone, C Cifani. Epigenetic regulation of hypothalamic neuropeptides gene expression in diet induced obesity resistant rats. **Obesity Summit 2015 14–16 April.**
- 22) MV Micioni Di Bonaventura, M Pucci, ME Giusepponi, C Lambertucci, R Volpini, M Maccarrone, C D'addario, C Cifani. Epigenetic regulation of adenosine A_{2a} and dopamine D2 receptor gene transcription on compulsive food consumption. **9th World Congress of the International Brain Research Organization (IBRO), Rio de Janeiro, Brazil, 7-11 July 2015.** Abstract ID: 117.
- 23) C Cifani, MV Micioni Di Bonaventura, M Pucci, ME Giusepponi, A Romano, M Maccarrone, R Ciccocioppo, C D'Addario. Epigenetic regulation of nociceptin/orphanin FQ and corticotropin releasing factor system genes in frustration stress induced binge like palatable food consumption. **9th World Congress of the International Brain Research Organization (IBRO), Rio de Janeiro, Brazil, 7-11 July 2015.** Abstract ID: 1408.
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