

1: Mammana S, Bramanti P, Mazzon E, Cavalli E, Basile MS, Fagone P, Petralia MC, McCubrey JA, Nicoletti F, Mangano K. Preclinical evaluation of the PI3K/Akt/mTOR pathway in animal models of multiple sclerosis. *Oncotarget*. 2018 Jan 3;9(9):8263-8277. doi: 10.18632/oncotarget.23862. eCollection 2018 Feb 2. PubMed PMID: 29492193; PubMed Central PMCID: PMC5823598.

2: Maccarrone M, Totaro A, Leuti A, Giacovazzo G, Scipioni L, Mango D, Coccurello R, Nisticò R, Oddi S. Early alteration of distribution and activity of hippocampal type-1 cannabinoid receptor in Alzheimer's disease-like mice overexpressing the human mutant amyloid precursor protein. *Pharmacol Res*. 2018 Feb 14. pii: S1043-6618(17)31336-1. doi: 10.1016/j.phrs.2018.02.009. [Epub ahead of print] PubMed PMID: 29454025.

3: Caraci F, Spampinato SF, Morgese MG, Tascedda F, Salluzzo MG, Giambirtone MC, Caruso G, Munafò A, Torrisi SA, Leggio GM, Trabace L, Nicoletti F, Drago F, Sortino MA, Copani A. Neurobiological links between depression and AD: The role of TGF- β 1 signaling as a new pharmacological target. *Pharmacol Res*. 2018 Feb 10. pii: S1043-6618(17)31600-6. doi: 10.1016/j.phrs.2018.02.007. [Epub ahead of print] Review. PubMed PMID: 29438781.

4: Ledonne A, Mango D, Latagliata EC, Chiacchierini G, Nobili A, Nisticò R, D'Amelio M, Puglisi-Allegra S, Mercuri NB. Neuregulin 1/ErbB signalling modulates hippocampal mGluRI-dependent LTD and object recognition memory. *Pharmacol Res*. 2018 Feb 7;130:12-24. doi: 10.1016/j.phrs.2018.02.003. [Epub ahead of print] PubMed PMID: 29427771.

5: Pisani C, Strimpakos G, Gabanella F, Di Certo MG, Onori A, Severini C, Luvisetto S, Farioli-Vecchioli S, Carrozzo I, Esposito A, Canu T, Mattei E, Corbi N, Passananti C. Utrophin up-regulation by artificial transcription factors induces muscle rescue and impacts the neuromuscular junction in mdx mice. *Biochim Biophys Acta*. 2018 Apr;1864(4 Pt A):1172-1182. doi: 10.1016/j.bbadi.2018.01.030. Epub 2018 Jan 31. PubMed PMID: 29408646.

6: Mango D, Nisticò R, Furlan R, Finardi A, Centonze D, Mori F. PDGF Modulates Synaptic Excitability and Short-Latency Afferent Inhibition in Multiple Sclerosis. *Neurochem Res*. 2018 Feb 1. doi: 10.1007/s11064-018-2484-0. [Epub ahead of print] PubMed PMID: 29392518.

7: Leonardi GC, Accardi G, Monastero R, Nicoletti F, Libra M. Ageing: from inflammation to cancer. *Immun Ageing*. 2018 Jan 19;15:1. doi: 10.1186/s12979-017-0112-5. eCollection 2018. Review. PubMed PMID: 29387133; PubMed Central PMCID: PMC5775596.

8: Scuderi C, Bronzuoli MR, Facchinetti R, Pace L, Ferraro L, Broad KD, Serviddio G, Bellanti F, Palombelli G, Carpinelli G, Canese R, Gaetani S, Steardo L Jr, Steardo L, Cassano T. Ultramicronized palmitoylethanolamide rescues learning and memory impairments in a triple transgenic mouse model of Alzheimer's disease by exerting anti-inflammatory and neuroprotective effects. *Transl Psychiatry*. 2018 Jan 31;8(1):32. doi: 10.1038/s41398-017-0076-4. PubMed PMID: 29382825; PubMed

Central PMCID: PMC5802581.

9: Ferrigno A, Berardo C, Di Pasqua LG, Siciliano V, Richelmi P, Nicoletti F, Vairetti M. Selective Blockade of the Metabotropic Glutamate Receptor mGluR5 Protects Mouse Livers in In Vitro and Ex Vivo Models of Ischemia Reperfusion Injury. *Int J Mol Sci.* 2018 Jan 23;19(2). pii: E314. doi: 10.3390/ijms19020314. PubMed PMID: 29360756.

10: Sancesario GM, Nuccetelli M, Cerri A, Zegeer J, Severini C, Ciotti MT, Pieri M, Martorana A, Caltagirone C, Nistico R, Bernardini S. Bromelain degrades A β 1-42 monomers and soluble aggregates: an in vitro study in cerebrospinal fluid of Alzheimer's disease patients. *Curr Alzheimer Res.* 2018 Jan 23. doi: 10.2174/1567205015666180123124851. [Epub ahead of print] PubMed PMID: 29359669.

11: Font J, López-Cano M, Notartomaso S, Scarselli P, Di Prieto P, Bresolí-Obach R, Battaglia G, Malhaire F, Rovira X, Catena J, Giraldo J, Pin JP, Fernández-Dueñas V, Goudet C, Nonell S, Nicoletti F, Llebaria A, Ciruela F. Correction: Optical control of pain in vivo with a photoactive mGlu5 receptor negative allosteric modulator. *Elife.* 2018 Jan 8;7. pii: e34752. doi: 10.7554/elife.34752. PubMed PMID: 29313801; PubMed Central PMCID: PMC5760200.

12: Caraci F, Nicoletti F, Copani A. Metabotropic glutamate receptors: the potential for therapeutic applications in Alzheimer's disease. *Curr Opin Pharmacol.* 2017 Dec 23;38:1-7. doi: 10.1016/j.coph.2017.12.001. [Epub ahead of print] Review. PubMed PMID: 29278824.

13: Morena M, Berardi A, Colucci P, Palmery M, Trezza V, Hill MN, Campolongo P. Enhancing Endocannabinoid Neurotransmission Augments The Efficacy of Extinction Training and Ameliorates Traumatic Stress-Induced Behavioral Alterations in Rats. *Neuropharmacology.* 2017 Dec 21. doi: 10.1038/npp.2017.305. [Epub ahead of print] PubMed PMID: 29265107.

14: Gigli S, Seguella L, Pesce M, Bruzzese E, D'Alessandro A, Cuomo R, Steardo L, Sarnelli G, Esposito G. Cannabidiol restores intestinal barrier dysfunction and inhibits the apoptotic process induced by Clostridium difficile toxin A in Caco-2 cells. *United European Gastroenterol J.* 2017 Dec;5(8):1108-1115. doi: 10.1177/2050640617698622. Epub 2017 Mar 13. PubMed PMID: 29238589; PubMed Central PMCID: PMC5721977.

15: Servadio M, Manduca A, Melancia F, Leboffe L, Schiavi S, Campolongo P, Palmery M, Ascenzi P, di Masi A, Trezza V. Impaired repair of DNA damage is associated with autistic-like traits in rats prenatally exposed to valproic acid. *Eur Neuropsychopharmacol.* 2018 Jan;28(1):85-96. doi: 10.1016/j.euroneuro.2017.11.014. Epub 2017 Nov 27. PubMed PMID: 29174949.

16: Beneventano M, Spampinato SF, Merlo S, Chisari M, Platania P, Ragusa M, Purrello M, Nicoletti F, Sortino MA. Shedding of Microvesicles from Microglia Contributes to the Effects Induced by Metabotropic Glutamate Receptor 5 Activation on Neuronal Death. *Front Pharmacol.* 2017 Nov 9;8:812. doi:

10.3389/fphar.2017.00812. eCollection 2017. PubMed PMID: 29170640; PubMed Central
PMCID: PMC5684115.

17: Bucci D, Busceti CL, Calierno MT, Di Pietro P, Madonna M, Biagioni F, Ryskalin L, Limanaqi F, Nicoletti F, Fornai F. Systematic Morphometry of Catecholamine Nuclei in the Brainstem. *Front Neuroanat.* 2017 Nov 2;11:98. doi: 10.3389/fnana.2017.00098. eCollection 2017. PubMed PMID: 29163071; PubMed Central
PMCID: PMC5666292.

18: Di Giacomo S, Abete L, Cocchiola R, Mazzanti G, Eufemi M, Di Sotto A. Caryophyllane sesquiterpenes inhibit DNA-damage by tobacco smoke in bacterial and mammalian cells. *Food Chem Toxicol.* 2018 Jan;111:393-404. doi: 10.1016/j.fct.2017.11.018. Epub 2017 Nov 14. PubMed PMID: 29154797.

19: Lissek T, Adams M, Adelman J, Ahissar E, Akaaboune M, Akil H, al'Absi M, Arain F, Arango-Lasprilla JC, Atasoy D, Avila J, Badawi A, Bading H, Baig AM, Baleriola J, Belmonte C, Bertocchi I, Betz H, Blakemore C, Blanke O, Boehm-Sturm P, Bonhoeffer T, Bonifazi P, Brose N, Campolongo P, Celikel T, Chang CC, Chang TY, Citri A, Cline HT, Cortes JM, Cullen K, Dean K, Delgado-Garcia JM, Desroches M, Disterhoft JF, Dowling JE, Draguhn A, El-Khamisy SF, El Manira A, Enam SA, Encinas JM, Erramuzpe A, Esteban JA, Fariñas I, Fischer E, Fukunaga I, Gabilondo I, Ganten D, Gidon A, Gomez-Estebar JC, Greengard P, Grinevich V, Gruart A, Guillemin R, Hariri AR, Hassan B, Häusser M, Hayashi Y, Hussain NK, Jabbar AA, Jaber M, Jahn R, Janahi EM, Kabbaj M, Kettenmann H, Kindt M, Knafo S, Köhr G, Komai S, Krugers H, Kuhn B, Ghazal NL, Larkum ME, London M, Lutz B, Matute C, Martinez-Millan L, Maroun M, McGaugh J, Moustafa AA, Nasim A, Nave KA, Neher E, Nikolic K, Outeiro T, Palmer LM, Penagarikano O, Perez-Otano I, Pfaff DW, Poucet B, Rahman AU, Ramos-Cabrera P, Rashidy-Pour A, Roberts RJ, Rodrigues S, Sanes JR, Schaefer AT, Segal M, Segev I, Shafqat S, Siddiqui NA, Soreq H, Soriano-García E, Spanagel R, Sprengel R, Stuart G, Südhof TC, Tønnesen J, Treviño M, Uthman BM, Venter JC, Verkhratsky A, Weiss C, Wiesel TN, Yaksi E, Yizhar O, Young LJ, Young P, Zawia NH, Zugaza JL, Hasan MT. Building Bridges through Science. *Neuron.* 2017 Nov 15;96(4):730-735. doi: 10.1016/j.neuron.2017.09.028. PubMed PMID: 29144972.

20: Di Menna L, Joffe ME, Iacobelli L, Orlando R, Lindsley CW, Mairesse J, Gressens P, Cannella M, Caraci F, Copani A, Bruno V, Battaglia G, Conn PJ, Nicoletti F. Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system. *Neuropharmacology.* 2018 Jan;128:301-313. doi: 10.1016/j.neuropharm.2017.10.026. Epub 2017 Oct 25. PubMed PMID: 29079293.

21: Piluso G, Monteleone P, Galderisi S, Giugliano T, Bertolino A, Rocca P, Rossi A, Mucci A, Aguglia E, Andriola I, Bellomo A, Comparelli A, Gambi F, Fagiolini A, Marchesi C, Roncone R, Sacchetti E, Santonastaso P, Siracusano A, Stratta P, Tortorella A, Steardo L Jr, Bucci P, Nigro V, Maj M; Italian Network for Research on Psychoses. Assessment of de novo copy-number variations in Italian patients with schizophrenia: Detection of putative mutations involving regulatory enhancer elements. *World J Biol Psychiatry.* 2017 Nov 20:1-11. doi: 10.1080/15622975.2017.1395072. [Epub ahead of print] PubMed PMID: 29069978.

- 22: Mangano K, Cavalli E, Mammana S, Basile MS, Caltabiano R, Pesce A, Puleo S, Atanasov AG, Magro G, Nicoletti F, Fagone P. Involvement of the Nrf2/HO-1/CO axis and therapeutic intervention with the CO-releasing molecule CORM-A1, in a murine model of autoimmune hepatitis. *J Cell Physiol*. 2018 May;233(5):4156-4165. doi: 10.1002/jcp.26223. Epub 2017 Dec 29. PubMed PMID: 29034470.
- 23: Olivero G, Bonfiglio T, Vergassola M, Usai C, Riozzi B, Battaglia G, Nicoletti F, Pittaluga A. Immuno-pharmacological characterization of group II metabotropic glutamate receptors controlling glutamate exocytosis in mouse cortex and spinal cord. *Br J Pharmacol*. 2017 Dec;174(24):4785-4796. doi: 10.1111/bph.14061. Epub 2017 Oct 29. PubMed PMID: 28967122; PubMed Central PMCID: PMC5727332.
- 24: Mangano K, Vergalito F, Mammana S, Mariano A, De Pasquale R, Meloscia A, Bartollino S, Guerra G, Nicoletti F, Di Marco R. Evaluation of hyaluronic acid-P40 conjugated cream in a mouse model of dermatitis induced by oxazolone. *Exp Ther Med*. 2017 Sep;14(3):2439-2444. doi: 10.3892/etm.2017.4810. Epub 2017 Jul 19. PubMed PMID: 28962179; PubMed Central PMCID: PMC5609204.
- 25: Steardo L Jr. The ICD-11 clinic-based field studies are about to be concluded. *World Psychiatry*. 2017 Oct;16(3):331-332. doi: 10.1002/wps.20466. PubMed PMID: 28941107; PubMed Central PMCID: PMC5608811.
- 26: Liberatore F, Bucci D, Mascio G, Madonna M, Di Pietro P, Beneventano M, Puliti AM, Battaglia G, Bruno V, Nicoletti F, Romano MR. Permissive role for mGlu1 metabotropic glutamate receptors in excitotoxic retinal degeneration. *Neuroscience*. 2017 Nov 5;363:142-149. doi: 10.1016/j.neuroscience.2017.09.005. Epub 2017 Sep 14. PubMed PMID: 28918254.
- 27: Santolini I, Celli R, Cannella M, Imbriglio T, Guiducci M, Parisi P, Schubert J, Iacomino M, Zara F, Lerche H; EuroEPINOMICS CoGIE Consortium; Genetic Commission of Italian League Against Epilepsy (LICE), Moyanova S, Ngomba RT, van Luijtelaar G, Battaglia G, Bruno V, Striano P, Nicoletti F. Alterations in the $\alpha(2)$ δ ligand, thrombospondin-1, in a rat model of spontaneous absence epilepsy and in patients with idiopathic/genetic generalized epilepsies. *Epilepsia*. 2017 Nov;58(11):1993-2001. doi: 10.1111/epi.13898. Epub 2017 Sep 15. PubMed PMID: 28913875.
- 28: Soligo M, Piccinini S, Protto V, Gelfo F, De Stefano ME, Florenzano F, Berretta E, Petrosini L, Nisticò R, Manni L. Recovery of hippocampal functions and modulation of muscarinic response by electroacupuncture in young diabetic rats. *Sci Rep*. 2017 Aug 22;7(1):9077. doi: 10.1038/s41598-017-08556-z. PubMed PMID: 28831054; PubMed Central PMCID: PMC5567336.
- 29: Mastroiacovo F, Moyanova S, Cannella M, Gaglione A, Verhaeghe R, Bozza G, Madonna M, Motolese M, Traficante A, Riozzi B, Bruno V, Battaglia G, Lodge D, Nicoletti F. Genetic deletion of mGlu2 metabotropic glutamate receptors improves the short-term outcome of cerebral transient focal ischemia. *Mol Brain*. 2017 Aug 18;10(1):39. doi: 10.1186/s13041-017-0319-6. PubMed PMID: 28821279; PubMed

Central PMCID: PMC5562974.

30: Esposito G, Capoccia E, Gigli S, Pesce M, Bruzzese E, D'Alessandro A, Cirillo C, di Cerbo A, Cuomo R, Seguella L, Steardo L, Sarnelli G. HIV-1 Tat-induced diarrhea evokes an enteric glia-dependent neuroinflammatory response in the central nervous system. *Sci Rep.* 2017 Aug 10;7(1):7735. doi: 10.1038/s41598-017-05245-9. PubMed PMID: 28798420; PubMed Central PMCID: PMC5552820.

31: Hill MN, Campolongo P, Yehuda R, Patel S. Integrating Endocannabinoid Signaling and Cannabinoids into the Biology and Treatment of Posttraumatic Stress Disorder. *Neuropsychopharmacology.* 2018 Jan;43(1):80-102. doi: 10.1038/npp.2017.162. Epub 2017 Jul 26. PubMed PMID: 28745306; PubMed Central PMCID: PMC5719095.

32: Lista S, Toschi N, Baldacci F, Zetterberg H, Blennow K, Kilimann I, Teipel SJ, Cavedo E, Dos Santos AM, Epelbaum S, Lamari F, Dubois B, Nisticò R, Floris R, Garaci F, Hampel H; Alzheimer Precision Medicine Initiative (APMI). Cerebrospinal Fluid Neurogranin as a Biomarker of Neurodegenerative Diseases: A Cross-Sectional Study. *J Alzheimers Dis.* 2017;59(4):1327-1334. doi: 10.3233/JAD-170368. PubMed PMID: 28731449.

33: Vitalone A, Di Sotto A, Mammola CL, Heyn R, Miglietta S, Mariani P, Sciubba F, Passarelli F, Nativio P, Mazzanti G. Phytochemical analysis and effects on ingestive behaviour of a *Caralluma fimbriata* extract. *Food Chem Toxicol.* 2017 Oct;108(Pt A):63-73. doi: 10.1016/j.fct.2017.07.027. Epub 2017 Jul 13. PubMed PMID: 28713048.

34: Bronzuoli MR, Facchinetto R, Steardo L, Scuderi C. Astrocyte: An Innovative Approach for Alzheimer's Disease Therapy. *Curr Pharm Des.* 2017;23(33):4979-4989. doi: 10.2174/1381612823666170710163411. PubMed PMID: 28699521.

35: Bellanti F, Iannelli G, Blonda M, Tamborra R, Villani R, Romano A, Calcagnini S, Mazzoccoli G, Vinciguerra M, Gaetani S, Giudetti AM, Vendemiale G, Cassano T, Serviddio G. Alterations of Clock Gene RNA Expression in Brain Regions of a Triple Transgenic Model of Alzheimer's Disease. *J Alzheimers Dis.* 2017;59(2):615-631. doi: 10.3233/JAD-160942. PubMed PMID: 28671110; PubMed Central PMCID: PMC5523844.

36: D'Amelio M, Nisticò R. Unlocking the secrets of dopamine in Alzheimer's Disease. *Pharmacol Res.* 2018 Feb;128:399. doi: 10.1016/j.phrs.2017.06.018. Epub 2017 Jun 30. PubMed PMID: 28669711.

37: Donia M, Harbst K, van Buuren M, Kvistborg P, Lindberg MF, Andersen R, Idorn M, Munir Ahmad S, Ellebæk E, Mueller A, Fagone P, Nicoletti F, Libra M, Lauss M, Hadrup SR, Schmidt H, Andersen MH, Thor Straten P, Nilsson JA, Schumacher TN, Seliger B, Jönsson G, Svane IM. Acquired Immune Resistance Follows Complete Tumor Regression without Loss of Target Antigens or IFN γ Signaling. *Cancer Res.* 2017

Sep 1;77(17):4562-4566. doi: 10.1158/0008-5472.CAN-16-3172. Epub 2017 Jun 27. PubMed PMID: 28655789.

38: Nisticò R, Salter E, Nicolas C, Feligioni M, Mango D, Bortolotto ZA, Gressens P, Collingridge GL, Peineau S. Synaptoimmunology - roles in health and disease. Mol Brain. 2017 Jun 20;10(1):26. doi: 10.1186/s13041-017-0308-9. Review. PubMed PMID: 28637489; PubMed Central PMCID: PMC5480158.

39: Canu N, Amadoro G, Triaca V, Latina V, Sposato V, Corsetti V, Severini C, Ciotti MT, Calissano P. The Intersection of NGF/TrkA Signaling and Amyloid Precursor Protein Processing in Alzheimer's Disease Neuropathology. Int J Mol Sci. 2017 Jun 20;18(6). pii: E1319. doi: 10.3390/ijms18061319. Review. PubMed PMID: 28632177; PubMed Central PMCID: PMC5486140.

40: McCubrey JA, Lertpiriyapong K, Steelman LS, Abrams SL, Yang LV, Murata RM, Rosalen PL, Scalisi A, Neri LM, Cocco L, Ratti S, Martelli AM, Laidler P, Dulińska-Litewka J, Rakus D, Gizak A, Lombardi P, Nicoletti F, Candido S, Libra M, Montalto G, Cervello M. Effects of resveratrol, curcumin, berberine and other nutraceuticals on aging, cancer development, cancer stem cells and microRNAs. Aging (Albany NY). 2017 Jun 12;9(6):1477-1536. doi: 10.18632/aging.101250. PubMed PMID: 28611316; PubMed Central PMCID: PMC5509453.

41: Di Sotto A, Di Giacomo S, Abete L, Božović M, Parisi OA, Barile F, Vitalone A, Izzo AA, Ragno R, Mazzanti G. Genotoxicity assessment of piperitenone oxide: An in vitro and in silico evaluation. Food Chem Toxicol. 2017 Aug;106(Pt A):506-513. doi: 10.1016/j.fct.2017.06.021. Epub 2017 Jun 10. PubMed PMID: 28606765.

42: Graziani M, Sarti P, Arese M, Magnifico MC, Badiani A, Saso L. Cardiovascular Mitochondrial Dysfunction Induced by Cocaine: Biomarkers and Possible Beneficial Effects of Modulators of Oxidative Stress. Oxid Med Cell Longev. 2017;2017:3034245. doi: 10.1155/2017/3034245. Epub 2017 May 16. Review. PubMed PMID: 28593024; PubMed Central PMCID: PMC5448156.

43: Romano A, Gallelli CA, Koczwara JB, Braegger FE, Vitalone A, Falchi M, Micioni Di Bonaventura MV, Cifani C, Cassano T, Lutz TA, Gaetani S. Role of the area postrema in the hypophagic effects of oleoylethanolamide. Pharmacol Res. 2017 Aug;122:20-34. doi: 10.1016/j.phrs.2017.05.017. Epub 2017 May 20. PubMed PMID: 28535974.

44: Evangelisti M, De Rossi P, Rabasco J, Donfrancesco R, Lionetto L, Capi M, Sani G, Simmaco M, Nicoletti F, Villa MP. Changes in serum levels of kynurenone metabolites in paediatric patients affected by ADHD. Eur Child Adolesc Psychiatry. 2017 Dec;26(12):1433-1441. doi: 10.1007/s00787-017-1002-2. Epub 2017 May 19. PubMed PMID: 28527020.

45: Esposito E, Drechsler M, Mariani P, Carducci F, Servadio M, Melancia F, Ratano P, Campolongo P, Trezza V, Cortesi R, Nastruzzi C. Lipid nanoparticles for administration of poorly water soluble neuroactive drugs. Biomed Microdevices. 2017 Sep;19(3):44. doi: 10.1007/s10544-017-0188-x. PubMed PMID: 28526975.

46: Fazio F, Carrizzo A, Lionetto L, Damato A, Capocci L, Ambrosio M, Battaglia G, Bruno V, Madonna M, Simmaco M, Nicoletti F, Vecchione C. Vasorelaxing Action of the Kynurenone Metabolite, Xanthurenic Acid: The Missing Link in Endotoxin-Induced Hypotension? *Front Pharmacol.* 2017 May 1;8:214. doi: 10.3389/fphar.2017.00214. eCollection 2017. PubMed PMID: 28507519; PubMed Central PMCID: PMC5410560.

47: Manchia M, Maina G, Carpinello B, Pinna F, Steardo L, D'Ambrosio V, Salvi V, Alda M, Tortorella A, Albert U. Clinical correlates of age at onset distribution in bipolar disorder: a comparison between diagnostic subgroups. *Int J Bipolar Disord.* 2017 Dec;5(1):28. doi: 10.1186/s40345-017-0097-1. Epub 2017 Aug 21. PubMed PMID: 28480486; PubMed Central PMCID: PMC5563503.

48: Marcelli S, Corbo M, Iannuzzi F, Negri L, Blandini F, Nisticò R, Feligioni M. The Involvement of Post-Translational Modifications in Alzheimer's Disease. *Curr Alzheimer Res.* 2017 May 4. doi: 10.2174/1567205014666170505095109. [Epub ahead of print] PubMed PMID: 28474569.

49: De Jaco A, Mango D, De Angelis F, Favaloro FL, Andolina D, Nisticò R, Fiori E, Colamartino M, Pascucci T. Unbalance between Excitation and Inhibition in Phenylketonuria, a Genetic Metabolic Disease Associated with Autism. *Int J Mol Sci.* 2017 Apr 29;18(5). pii: E941. doi: 10.3390/ijms18050941. PubMed PMID: 28468253; PubMed Central PMCID: PMC5454854.

50: Morena M, Berardi A, Peloso A, Valeri D, Palmery M, Trezza V, Schelling G, Campolongo P. Effects of ketamine, dexmedetomidine and propofol anesthesia on emotional memory consolidation in rats: Consequences for the development of post-traumatic stress disorder. *Behav Brain Res.* 2017 Jun 30;329:215-220. doi: 10.1016/j.bbr.2017.04.048. Epub 2017 Apr 28. PubMed PMID: 28461010.

51: Ratano P, Palmery M, Trezza V, Campolongo P. Cannabinoid Modulation of Memory Consolidation in Rats: Beyond the Role of Cannabinoid Receptor Subtype 1. *Front Pharmacol.* 2017 Apr 12;8:200. doi: 10.3389/fphar.2017.00200. eCollection 2017. PubMed PMID: 28446875; PubMed Central PMCID: PMC5388693.

52: Boldrini P, Fusco A, Nicoletti F, Badiani A, Saso L. Potential use of modulators of oxidative stress as add-on therapy in patients with anxiety disorders. *Curr Drug Targets.* 2017 Apr 25. doi: 10.2174/1389450118666170425153356. [Epub ahead of print] PubMed PMID: 28443504.

53: Avvisati R, Meringolo M, Stendardo E, Malavasi E, Marinelli S, Badiani A. Intravenous self-administration of benzydamine, a non-steroidal anti-inflammatory drug with a central cannabinoidergic mechanism of action. *Addict Biol.* 2018 Mar;23(2):610-619. doi: 10.1111/adb.12516. Epub 2017 Apr 21. PubMed PMID: 28429885.

54: Font J, López-Cano M, Notartomaso S, Scarselli P, Di Pietro P, Bresolí-Obach R, Battaglia G, Malhaire F, Rovira X, Catena J, Giraldo J, Pin JP,

Fernández-Dueñas V, Goudet C, Nonell S, Nicoletti F, Llebaria A, Ciruela F. Optical control of pain in vivo with a photoactive mGlu(5) receptor negative allosteric modulator. *Elife*. 2017 Apr 11;6. pii: e23545. doi: 10.7554/eLife.23545. Erratum in: *Elife*. 2018 Jan 08;7:. PubMed PMID: 28395733; PubMed Central PMCID: PMC5388536.

55: Busceti CL, Marchitti S, Bianchi F, Di Pietro P, Riozzi B, Stanzione R, Cannella M, Battaglia G, Bruno V, Volpe M, Fornai F, Nicoletti F, Rubattu S. Dickkopf-3 Upregulates VEGF in Cultured Human Endothelial Cells by Activating Activin Receptor-Like Kinase 1 (ALK1) Pathway. *Front Pharmacol*. 2017 Mar 14;8:111. doi: 10.3389/fphar.2017.00111. eCollection 2017. PubMed PMID: 28352232; PubMed Central PMCID: PMC5348502.

56: Notartomaso S, Mascio G, Bernabucci M, Zappulla C, Scarselli P, Cannella M, Imbriglio T, Gradini R, Battaglia G, Bruno V, Nicoletti F. Analgesia induced by the epigenetic drug, L-acetylcarnitine, outlasts the end of treatment in mouse models of chronic inflammatory and neuropathic pain. *Mol Pain*. 2017 Jan;13:1744806917697009. doi: 10.1177/1744806917697009. PubMed PMID: 28326943; PubMed Central PMCID: PMC5407675.

57: Almenrader N, Colucci P, De Castro V, Valeri D, Palmery M, Trezza V, Campolongo P. Effects of sevoflurane and clonidine on acid base status and long-term emotional and cognitive outcomes in spontaneously breathing rat pups. *PLoS One*. 2017 Mar 20;12(3):e0173969. doi: 10.1371/journal.pone.0173969. eCollection 2017. PubMed PMID: 28319126; PubMed Central PMCID: PMC5358762.

58: Coccurello R, Romano A, Giacovazzo G, Tempesta B, Fiore M, Giudetti AM, Marrocco I, Altieri F, Moles A, Gaetani S. Increased intake of energy-dense diet and negative energy balance in a mouse model of chronic psychosocial defeat. *Eur J Nutr*. 2017 Mar 17. doi: 10.1007/s00394-017-1434-y. [Epub ahead of print] PubMed PMID: 28314964.

59: DI Giacomo S, DI Sotto A, Mazzanti G, Wink M. Chemosensitizing Properties of β -Caryophyllene and β -Caryophyllene Oxide in Combination with Doxorubicin in Human Cancer Cells. *Anticancer Res*. 2017 Mar;37(3):1191-1196. PubMed PMID: 28314281.

60: Fagone P, Caltabiano R, Russo A, Lupo G, Anfuso CD, Basile MS, Longo A, Nicoletti F, De Pasquale R, Libra M, Reibaldi M. Identification of novel chemotherapeutic strategies for metastatic uveal melanoma. *Sci Rep*. 2017 Mar 17;7:44564. doi: 10.1038/srep44564. PubMed PMID: 28303962; PubMed Central PMCID: PMC5355998.

61: Celli R, Santolini I, Guiducci M, van Luijtelaar G, Parisi P, Striano P, Gradini R, Battaglia G, Ngomba RT, Nicoletti F. The $\alpha 2\delta$ Subunit and Absence Epilepsy: Beyond Calcium Channels? *Curr Neuropharmacol*. 2017;15(6):918-925. doi: 10.2174/1570159X15666170309105451. PubMed PMID: 28290248; PubMed Central PMCID: PMC5652034.

62: Zinni M, Zuena AR, Marconi V, Petrella C, Fusco I, Giuli C, Canu N, Severini C, Broccardo M, Theodorou V, Lattanzi R, Casolini P. Maternal exposure to low levels of corticosterone during lactation protects adult rat progeny against TNBS-induced colitis: A study on GR-mediated anti-inflammatory effect and

prokineticin system. PLoS One. 2017 Mar 7;12(3):e0173484. doi: 10.1371/journal.pone.0173484. eCollection 2017. PubMed PMID: 28267767; PubMed Central PMCID: PMC5340375.

63: Badiani A, Berridge KC, Heilig M, Nutt DJ, Robinson TE. Addiction research and theory: a commentary on the Surgeon General's Report on alcohol, drugs, and health. Addict Biol. 2018 Jan;23(1):3-5. doi: 10.1111/adb.12497. Epub 2017 Feb 21. PubMed PMID: 28224686; PubMed Central PMCID: PMC5608628.

64: Cassano T, Calcagnini S, Pace L, De Marco F, Romano A, Gaetani S. Cannabinoid Receptor 2 Signaling in Neurodegenerative Disorders: From Pathogenesis to a Promising Therapeutic Target. Front Neurosci. 2017 Feb 2;11:30. doi: 10.3389/fnins.2017.00030. eCollection 2017. Review. PubMed PMID: 28210207; PubMed Central PMCID: PMC5288380.

65: Weisz F, Piccinin S, Mango D, Ngomba RT, Mercuri NB, Nicoletti F, Nisticò R. The role of adiponectin receptors in the regulation of synaptic transmission in the hippocampus. Synapse. 2017 May;71(5). doi: 10.1002/syn.21964. Epub 2017 Feb 21. PubMed PMID: 28187508.

66: Nicoletti F. Kynurenone pathway metabolites in migraine. J Headache Pain. 2015 Dec;16(Suppl 1):A1. doi: 10.1186/1129-2377-16-S1-A1. Erratum in: J Headache Pain. 2017 Dec;18(1):11. PubMed PMID: 28132387.

67: Curto M, Lionetto L, Capi M, Negro A, D'Alonzo L, Nicoletti F, Martelletti P. 0066. Kynurenone pathway metabolites in cluster headache. J Headache Pain. 2015 Dec;16(Suppl 1):A87. doi: 10.1186/1129-2377-16-S1-A87. Erratum in: J Headache Pain. 2017 Dec;18(1):11. PubMed PMID: 28132301; PubMed Central PMCID: PMC4759328.

68: Lupo G, Caporarello N, Olivieri M, Cristaldi M, Motta C, Bramanti V, Avola R, Salmeri M, Nicoletti F, Anfuso CD. Anti-angiogenic Therapy in Cancer: Downsides and New Pivots for Precision Medicine. Front Pharmacol. 2017 Jan 6;7:519. doi: 10.3389/fphar.2016.00519. eCollection 2016. Review. PubMed PMID: 28111549; PubMed Central PMCID: PMC5216034.

69: Mazzanti G, Moro PA, Raschi E, Da Cas R, Menniti-Ippolito F. Adverse reactions to dietary supplements containing red yeast rice: assessment of cases from the Italian surveillance system. Br J Clin Pharmacol. 2017 Apr;83(4):894-908. doi: 10.1111/bcp.13171. Epub 2017 Jan 19. PubMed PMID: 28093797; PubMed Central PMCID: PMC5346868.

70: Mattei V, Martellucci S, Santilli F, Manganelli V, Garofalo T, Candelise N, Caruso A, Sorice M, Scaccianoce S, Misasi R. Morphine Withdrawal Modifies Prion Protein Expression in Rat Hippocampus. PLoS One. 2017 Jan 12;12(1):e0169571. doi: 10.1371/journal.pone.0169571. eCollection 2017. PubMed PMID: 28081197; PubMed Central PMCID: PMC5231345.

- 71: Maino B, Paparone S, Severini C, Ciotti MT, D'agata V, Calissano P, Cavallaro S. Drug target identification at the crossroad of neuronal apoptosis and survival. *Expert Opin Drug Discov.* 2017 Mar;12(3):249-259. doi: 10.1080/17460441.2017.1280023. Epub 2017 Jan 23. Review. PubMed PMID: 28067072.
- 72: 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 Mar;84:40-45. doi: 10.1016/j.biocel.2016.12.015. Epub 2017 Jan 5. Review. PubMed PMID: 28065757.
- 73: Romano A, Serviddio G, Calcagnini S, Villani R, Giudetti AM, Cassano T, Gaetani S. Linking lipid peroxidation and neuropsychiatric disorders: focus on 4-hydroxy-2-nonenal. *Free Radic Biol Med.* 2017 Oct;111:281-293. doi: 10.1016/j.freeradbiomed.2016.12.046. Epub 2017 Jan 4. Review. PubMed PMID: 28063940.
- 74: Melancia F, Servadio M, Schiavi S, Campolongo P, Giusti-Paiva A, Trezza V. Testing the correlation between experimentally-induced hypothyroidism during pregnancy and autistic-like symptoms in the rat offspring. *Behav Brain Res.* 2017 Mar 15;321:113-122. doi: 10.1016/j.bbr.2016.12.032. Epub 2016 Dec 26. PubMed PMID: 28034801.
- 75: McCubrey JA, Fitzgerald TL, Yang LV, Lertpiriyapong K, Steelman LS, Abrams SL, Montalto G, Cervello M, Neri LM, Cocco L, Martelli AM, Laidler P, Dulińska-Litewka J, Rakus D, Gizak A, Nicoletti F, Falzone L, Candido S, Libra M. Roles of GSK-3 and microRNAs on epithelial mesenchymal transition and cancer stem cells. *Oncotarget.* 2017 Feb 21;8(8):14221-14250. doi: 10.18632/oncotarget.13991. Review. PubMed PMID: 27999207; PubMed Central PMCID: PMC5355173.
- 76: Caioli S, Severini C, Ciotti T, Florenzano F, Pimpinella D, Petrocchi Passeri P, Balboni G, Polisca P, Lattanzi R, Nisticò R, Negri L, Zona C. Prokineticin system modulation as a new target to counteract the amyloid beta toxicity induced by glutamatergic alterations in an in vitro model of Alzheimer's disease. *Neuropharmacology.* 2017 Apr;116:82-97. doi: 10.1016/j.neuropharm.2016.12.012. Epub 2016 Dec 15. PubMed PMID: 27989680.
- 77: Magro G, Salvatorelli L, Alaggio R, D'Agata V, Nicoletti F, Di Cataldo A, Parenti R. Diagnostic utility of cyclin D1 in the diagnosis of small round blue cell tumors in children and adolescents. *Hum Pathol.* 2017 Feb;60:58-65. doi: 10.1016/j.humpath.2016.07.038. Epub 2016 Oct 28. PubMed PMID: 27984122.
- 78: Collingridge GL, Manahan-Vaughan D, Nicoletti F, Schoepp DD. Metabotropic glutamate receptors, 5 years on. *Neuropharmacology.* 2017 Mar 15;115:1-3. doi: 10.1016/j.neuropharm.2016.09.029. Epub 2016 Nov 29. PubMed PMID: 27908770.
- 79: Zamberletti E, Piscitelli F, De Castro V, Murru E, Gabaglio M, Colucci P, Fanali C, Prini P, Bisogno T, Maccarrone M, Campolongo P, Banni S, Rubino T, Parolaro D. Lifelong imbalanced LA/ALA intake impairs emotional and cognitive behavior via changes in brain endocannabinoid system. *J Lipid Res.* 2017 Feb;58(2):301-316. doi: 10.1194/jlr.M068387. Epub 2016 Nov 30. PubMed PMID:

27903595; PubMed Central PMCID: PMC5282947.

80: Manduca A, Lassalle O, Sepers M, Campolongo P, Cuomo V, Marsicano G, Kieffer B, Vanderschuren LJ, Trezza V, Manzoni OJ. Interacting Cannabinoid and Opioid Receptors in the Nucleus Accumbens Core Control Adolescent Social Play. *Front Behav Neurosci*. 2016 Nov 16;10:211. eCollection 2016. PubMed PMID: 27899885; PubMed Central PMCID: PMC5110529.

81: Panaccione I, Iacobelli L, di Nuzzo L, Nardocchia F, Mauro G, Janiri D, De Blasi A, Sani G, Nicoletti F, Orlando R. Paradoxical sleep deprivation in rats causes a selective reduction in the expression of type-2 metabotropic glutamate receptors in the hippocampus. *Pharmacol Res*. 2017 Mar;117:46-53. doi: 10.1016/j.phrs.2016.11.029. Epub 2016 Nov 23. PubMed PMID: 27890550.

82: Verkhratsky A, Steardo L, Peng L, Parpura V. Astroglia, Glutamatergic Transmission and Psychiatric Diseases. *Adv Neurobiol*. 2016;13:307-326. PubMed PMID: 27885635.

83: Maksimovic-Ivanic D, Fagone P, McCubrey J, Bendtzen K, Mijatovic S, Nicoletti F. HIV-protease inhibitors for the treatment of cancer: Repositioning HIV protease inhibitors while developing more potent NO-hybridized derivatives? *Int J Cancer*. 2017 Apr 15;140(8):1713-1726. doi: 10.1002/ijc.30529. Epub 2017 Jan 20. Review. PubMed PMID: 27870005.

84: Bronzuoli MR, Iacomino A, Steardo L, Scuderi C. Targeting neuroinflammation in Alzheimer's disease. *J Inflamm Res*. 2016 Nov 3;9:199-208. eCollection 2016. Review. PubMed PMID: 27843334; PubMed Central PMCID: PMC5098782.

85: Mango D, Weisz F, Nisticò R. Ginkgolic Acid Protects against A β -Induced Synaptic Dysfunction in the Hippocampus. *Front Pharmacol*. 2016 Oct 26;7:401. eCollection 2016. PubMed PMID: 27833555; PubMed Central PMCID: PMC5080287.

86: Caraci F, Tascedda F, Merlo S, Benatti C, Spampinato SF, Munafò A, Leggio GM, Nicoletti F, Brunello N, Drago F, Sortino MA, Copani A. Fluoxetine Prevents A β (1-42)-Induced Toxicity via a Paracrine Signaling Mediated by Transforming-Growth-Factor- β 1. *Front Pharmacol*. 2016 Oct 25;7:389. eCollection 2016. PubMed PMID: 27826242; PubMed Central PMCID: PMC5078904.

87: Iacobelli L, Di Menna L, Peterlik D, Stangl C, Orlando R, Molinaro G, De Blasi A, Bruno V, Battaglia G, Flor PJ, Uschold-Schmidt N, Nicoletti F. Type-7 metabotropic glutamate receptors negatively regulate α (1)-adrenergic receptor signalling. *Neuropharmacology*. 2017 Feb;113(Pt A):343-353. doi: 10.1016/j.neuropharm.2016.10.018. Epub 2016 Oct 18. PubMed PMID: 27769854.

88: McCubrey JA, Rakus D, Gizak A, Steelman LS, Abrams SL, Lertpiriyapong K, Fitzgerald TL, Yang LV, Montalvo G, Cervello M, Libra M, Nicoletti F, Scalisi A, Torino F, Fenga C, Neri LM, Marmiroli S, Cocco L, Martelli AM. Effects of mutations in Wnt/ β -catenin, hedgehog, Notch and PI3K pathways on GSK-3 activity-Diverse effects on cell growth, metabolism and cancer. *Biochim Biophys Acta*. 2016 Dec;1863(12):2942-2976. doi: 10.1016/j.bbamcr.2016.09.004. Epub 2016 Sep 6. Review. PubMed PMID: 27612668.

- 89: Reynaert ML, Marrocco J, Mairesse J, Lionetto L, Simmaco M, Deruyter L, Allorge D, Moles A, Pittaluga A, Maccari S, Morley-Fletcher S, Van Camp G, Nicoletti F. Hedonic sensitivity to natural rewards is affected by prenatal stress in a sex-dependent manner. *Addict Biol.* 2016 Nov;21(6):1072-1085. doi: 10.1111/adb.12270. Epub 2015 May 26. PubMed PMID: 26011513.
- 90: Gaetani S, Romano A, Provensi G, Ricca V, Lutz T, Passani MB. Eating disorders: from bench to bedside and back. *J Neurochem.* 2016 Dec;139(5):691-699. doi: 10.1111/jnc.13848. Epub 2016 Oct 21. Review. PubMed PMID: 27649625.
- 91: Pecci MT, Verrusio W, Radicioni AF, Anzuini A, Renzi A, Martinelli V, Ettorre E, Miele J, Scaccianoce S, Cacciafesta M. Music, Spatial Task Performance, and Brain Plasticity in Elderly Adults. *J Am Geriatr Soc.* 2016 Oct;64(10):e78-e80. doi: 10.1111/jgs.14361. Epub 2016 Aug 9. PubMed PMID: 27505151.
- 92: Di Giacomo S, Mazzanti G, Di Sotto A. Mutagenicity of cigarette butt waste in the bacterial reverse mutation assay: The protective effects of β -caryophyllene and β -caryophyllene oxide. *Environ Toxicol.* 2016 Nov;31(11):1319-1328. doi: 10.1002/tox.22136. Epub 2015 Mar 2. PubMed PMID: 25728712.
- 93: Marcelli S, Ficulle E, Iannuzzi F, Kövari E, Nisticò R, Feligioni M. Targeting SUMO-1ylation Contrasts Synaptic Dysfunction in a Mouse Model of Alzheimer's Disease. *Mol Neurobiol.* 2017 Oct;54(8):6609-6623. doi: 10.1007/s12035-016-0176-9. Epub 2016 Oct 13. Review. PubMed PMID: 27738871.
- 94: Nikolic I, Stojanovic I, Vujicic M, Fagone P, Mangano K, Stosic-Grujicic S, Nicoletti F, Saksida T. Standardized bovine colostrum derivative impedes development of type 1 diabetes in rodents. *Immunobiology.* 2017 Feb;222(2):272-279. doi: 10.1016/j.imbio.2016.09.013. Epub 2016 Sep 24. PubMed PMID: 27693017.
- 95: Mazzanti G, Di Giacomo S. Curcumin and Resveratrol in the Management of Cognitive Disorders: What is the Clinical Evidence? *Molecules.* 2016 Sep 17;21(9). pii: E1243. doi: 10.3390/molecules21091243. Review. PubMed PMID: 27649135.
- 96: Damian L, Ghiciuc CM, Dima-Cozma LC, Ungureanu MC, Cozma S, Patacchioli FR, Lupusoru CE. No definitive evidence for a connection between autoimmune thyroid diseases and stress in women. *Neuro Endocrinol Lett.* 2016 Jul;37(3):155-162. Review. PubMed PMID: 27618605.
- 97: Cassano T, Steardo L. Editorial: Dysmetabolism, Obesity, and Inflammation: Three Prominent Actors in the Drama of Major Neuropsychiatric Disorders. *Front Neurosci.* 2016 Aug 19;10:368. doi: 10.3389/fnins.2016.00368. eCollection 2016. PubMed PMID: 27594821; PubMed Central PMCID: PMC4990557.
- 98: Gaetani S, Cassano T. From Obesity Resistance to Obesity Prediction and Prevention? *Front Neurosci.* 2016 Aug 9;10:369. doi: 10.3389/fnins.2016.00369. eCollection 2016. PubMed PMID: 27554849; PubMed Central PMCID: PMC4977311.

99: Morena M, Leitl KD, Vecchiarelli HA, Gray JM, Campolongo P, Hill MN. Emotional arousal state influences the ability of amygdalar endocannabinoid signaling to modulate anxiety. *Neuropharmacology*. 2016 Dec;111:59-69. doi: 10.1016/j.neuropharm.2016.08.020. Epub 2016 Aug 20. PubMed PMID: 27553121.

100: Nicoletti F. Shedding Light on Metabotropic Glutamate Receptors. *Cell Chem Biol*. 2016 Aug 18;23(8):887-8. doi: 10.1016/j.chembiol.2016.08.001. PubMed PMID: 27541192.

101: Notartomaso S, Mascio G, Scarselli P, Martinello K, Fucile S, Gradini R, Bruno V, Battaglia G, Nicoletti F. Expression of the K(+)/Cl(-) cotransporter, KCC2, in cerebellar Purkinje cells is regulated by group-I metabotropic glutamate receptors. *Neuropharmacology*. 2017 Mar 15;115:51-59. doi: 10.1016/j.neuropharm.2016.07.032. Epub 2016 Aug 3. PubMed PMID: 27498071.

102: Berardi A, Schelling G, Campolongo P. The endocannabinoid system and Post Traumatic Stress Disorder (PTSD): From preclinical findings to innovative therapeutic approaches in clinical settings. *Pharmacol Res*. 2016 Sep;111:668-678. doi: 10.1016/j.phrs.2016.07.024. Epub 2016 Jul 22. Review. PubMed PMID: 27456243.

103: Ventriglio A, Gentile A, Bonfitto I, Stella E, Mari M, Steardo L, Bellomo A. Suicide in the Early Stage of Schizophrenia. *Front Psychiatry*. 2016 Jun 27;7:116. doi: 10.3389/fpsyg.2016.00116. eCollection 2016. Review. PubMed PMID: 27445872; PubMed Central PMCID: PMC4921745.

104: Di Giacomo S, Di Sotto A, El-Readi MZ, Mazzanti G, Wink M. α -Hexylcinnamaldehyde Synergistically Increases Doxorubicin Cytotoxicity Towards Human Cancer Cell Lines. *Anticancer Res*. 2016 Jul;36(7):3347-51. PubMed PMID: 27354593.

105: Fazio F, Lionetto L, Curto M, Iacobelli L, Copeland CS, Neale SA, Bruno V, Battaglia G, Salt TE, Nicoletti F. Cinnabarinic acid and xanthurenic acid: Two kynurenone metabolites that interact with metabotropic glutamate receptors. *Neuropharmacology*. 2017 Jan;112(Pt B):365-372. doi: 10.1016/j.neuropharm.2016.06.020. Epub 2016 Jun 21. Review. PubMed PMID: 27342123.

106: Esposito G, Gigli S, Seguella L, Nobile N, D'Alessandro A, Pesce M, Capoccia E, Steardo L, Cirillo C, Cuomo R, Sarnelli G. Rifaximin, a non-absorbable antibiotic, inhibits the release of pro-angiogenic mediators in colon cancer cells through a pregnane X receptor-dependent pathway. *Int J Oncol*. 2016 Aug;49(2):639-45. doi: 10.3892/ijo.2016.3550. Epub 2016 Jun 1. PubMed PMID: 27279570.

107: Esposito G, Nobile N, Gigli S, Seguella L, Pesce M, d'Alessandro A, Bruzzese E, Capoccia E, Steardo L, Cuomo R, Sarnelli G. Rifaximin Improves Clostridium difficile Toxin A-Induced Toxicity in Caco-2 Cells by the PXR-Dependent

TLR4/MyD88/NF- κ B Pathway. *Front Pharmacol.* 2016 May 9;7:120. doi: 10.3389/fphar.2016.00120. eCollection 2016. PubMed PMID: 27242527; PubMed Central PMCID: PMC4860461.

108: Sarnelli G, D'Alessandro A, Iuvone T, Capoccia E, Gigli S, Pesce M, Seguella L, Nobile N, Aprea G, Maione F, de Palma GD, Cuomo R, Steardo L, Esposito G. Palmitoylethanolamide Modulates Inflammation-Associated Vascular Endothelial Growth Factor (VEGF) Signaling via the Akt/mTOR Pathway in a Selective Peroxisome Proliferator-Activated Receptor Alpha (PPAR- α) -Dependent Manner. *PLoS One.* 2016 May 24;11(5):e0156198. doi: 10.1371/journal.pone.0156198. eCollection 2016. PubMed PMID: 27219328; PubMed Central PMCID: PMC4878779.

109: Curto M, Martocchia A, Ferracuti S, Comite F, Scaccianoce S, Girardi P, Nicoletti F, Falaschi P. Increased Total Urinary Cortisol (tUC) and Serum Brain-derived Neurotrophic Factor (BDNF) Ratio in Alzheimer Disease (AD)-affected Patients. *Alzheimer Dis Assoc Disord.* 2017 Apr-Jun;31(2):173-176. doi: 10.1097/WAD.0000000000000156. PubMed PMID: 27196536.

110: Borro M, Simmaco M, Aceti A, Barni S, De Luca A, Fineschi V, Frati P, Girardi P, Miozzo M, Nati G, Nicoletti F, Santini D, Marchetti P. H2020 and Beyond: Skip Discrepancy between Theory and Practice of Personalized Medicine. A Position Paper by the Italian Society of Personalized Medicine. *Curr Pharm Biotechnol.* 2016;17(10):926-9. PubMed PMID: 27194357.

111: D'Amore V, Raaijmakers RH, Santolini I, van Rijn CM, Ngomba RT, Nicoletti F, van Luijtelaar G. The anti-absence effect of mGlu5 receptor amplification with VU0360172 is maintained during and after antiepileptogenesis. *Pharmacol Biochem Behav.* 2016 Jul-Aug;146-147:50-9. doi: 10.1016/j.pbb.2016.05.004. Epub 2016 May 10. PubMed PMID: 27178815.

112: Bruno V, Caraci F, Copani A, Matrisciano F, Nicoletti F, Battaglia G. The impact of metabotropic glutamate receptors into active neurodegenerative processes: A "dark side" in the development of new symptomatic treatments for neurologic and psychiatric disorders. *Neuropharmacology.* 2017 Mar 15;115:180-192. doi: 10.1016/j.neuropharm.2016.04.044. Epub 2016 Apr 30. Review. PubMed PMID: 27140693.

113: Landucci E, Lattanzi R, Gerace E, Scartabelli T, Balboni G, Negri L, Pellegrini-Giampietro DE. Prokineticins are neuroprotective in models of cerebral ischemia and ischemic tolerance in vitro. *Neuropharmacology.* 2016 Sep;108:39-48. doi: 10.1016/j.neuropharm.2016.04.043. Epub 2016 Apr 29. PubMed PMID: 27140692.

114: Lee JC, Menacherry S, Diehl MC, Giffear MD, White CJ, Juba R, Bagarazzi ML, Muthumani K, Boyer J, Agarwal V, Nicoletti F, Bart S, Kim JJ, Weiner DB, Sardesai NY. Safety, bioavailability, and pharmacokinetics of VGX-1027-A novel oral anti-inflammatory drug in healthy human subjects. *Clin Pharmacol Drug Dev.* 2016 Mar;5(2):91-101. doi: 10.1002/cpdd.193. Epub 2015 Jun 8. PubMed PMID: 27138022.

115: Curto M, Lionetto L, Negro A, Capi M, Fazio F, Giamberardino MA, Simmaco M, Nicoletti F, Martelletti P. Altered kynurenone pathway metabolites in serum of chronic migraine patients. *J Headache Pain.* 2015;17:47. doi: 10.1186/s10194-016-0638-5. Epub 2016 Apr 29. PubMed PMID: 27130315; PubMed Central PMCID: PMC4851673.

116: Graziani M, Nisticò R. Gender difference in prescription opioid abuse: A focus on oxycodone and hydrocodone. *Pharmacol Res.* 2016 Jun;108:31-38. doi: 10.1016/j.phrs.2016.04.012. Epub 2016 Apr 20. Review. PubMed PMID: 27107788.

117: Triaca V, Sposato V, Bolasco G, Ciotti MT, Pelicci P, Bruni AC, Cupidi C, Maletta R, Feligioni M, Nisticò R, Canu N, Calissano P. NGF controls APP cleavage by downregulating APP phosphorylation at Thr668: relevance for Alzheimer's disease. *Aging Cell.* 2016 Aug;15(4):661-72. doi: 10.1111/acel.12473. Epub 2016 Apr 13. PubMed PMID: 27076121; PubMed Central PMCID: PMC4933663.

118: Steelman LS, Martelli AM, Cocco L, Libra M, Nicoletti F, Abrams SL, McCubrey JA. The therapeutic potential of mTOR inhibitors in breast cancer. *Br J Clin Pharmacol.* 2016 Nov;82(5):1189-1212. doi: 10.1111/bcp.12958. Epub 2016 May 10. Review. PubMed PMID: 27059645; PubMed Central PMCID: PMC5061784.

119: Severini C, Petrella C, Calissano P. Substance P and Alzheimer's Disease: Emerging Novel Roles. *Curr Alzheimer Res.* 2016;13(9):964-72. Review. PubMed PMID: 27033058.

120: Pappalardo F, Russo G, Candido S, Pennisi M, Cavalieri S, Motta S, McCubrey JA, Nicoletti F, Libra M. Computational Modeling of PI3K/AKT and MAPK Signaling Pathways in Melanoma Cancer. *PLoS One.* 2016 Mar 25;11(3):e0152104. doi: 10.1371/journal.pone.0152104. eCollection 2016. PubMed PMID: 27015094; PubMed Central PMCID: PMC4807832.

121: Curto M, Lionetto L, Negro A, Capi M, Perugino F, Fazio F, Giamberardino MA, Simmaco M, Nicoletti F, Martelletti P. Altered serum levels of kynurenone metabolites in patients affected by cluster headache. *J Headache Pain.* 2015;17:27. doi: 10.1186/s10194-016-0620-2. Epub 2016 Mar 22. PubMed PMID: 27000870; PubMed Central PMCID: PMC4801826.

122: Avvisati R, Contu L, Stendardo E, Michetti C, Montanari C, Scattoni ML, Badiani A. Ultrasonic vocalization in rats self-administering heroin and cocaine in different settings: evidence of substance-specific interactions between drug and setting. *Psychopharmacology (Berl).* 2016 Apr;233(8):1501-11. doi: 10.1007/s00213-016-4247-4. Epub 2016 Mar 10. PubMed PMID: 26960696; PubMed Central PMCID: PMC4819852.

123: Steelman LS, Fitzgerald T, Lertpiriyapong K, Cocco L, Follo MY, Martelli AM, Neri LM, Marmiroli S, Libra M, Candido S, Nicoletti F, Scalisi A, Fenga C, Drobot L, Rakus D, Gizak A, Laidler P, Dulinska-Litewka J, Basecke J, Mijatovic S, Maksimovic-Ivanic D, Montalto G, Cervello M, Milella M, Tafuri A, Demidenko Z,

Abrams SL, McCubrey JA. Critical Roles of EGFR Family Members in Breast Cancer and Breast Cancer Stem Cells: Targets for Therapy. *Curr Pharm Des.* 2016;22(16):2358-88. Review. PubMed PMID: 26947958.

124: Esposito G, Sarnelli G, Capoccia E, Cirillo C, Pesce M, Lu J, Cali G, Cuomo R, Steardo L. Autologous transplantation of intestine-isolated glia cells improves neuropathology and restores cognitive deficits in β amyloid-induced neurodegeneration. *Sci Rep.* 2016 Mar 4;6:22605. doi: 10.1038/srep22605. PubMed PMID: 26940982; PubMed Central PMCID: PMC4778118.

125: Sarnelli G, Gigli S, Capoccia E, Iuvone T, Cirillo C, Seguella L, Nobile N, D'Alessandro A, Pesce M, Steardo L, Cuomo R, Esposito G. Palmitoylethanolamide Exerts Antiproliferative Effect and Downregulates VEGF Signaling in Caco-2 Human Colon Carcinoma Cell Line Through a Selective PPAR- α -Dependent Inhibition of Akt/mTOR Pathway. *Phytother Res.* 2016 Jun;30(6):963-70. doi: 10.1002/ptr.5601. Epub 2016 Mar 1. PubMed PMID: 26929026.

126: Di Sotto A, Di Giacomo S, Toniolo C, Nicoletti M, Mazzanti G. *Sisymbrium Officinale* (L.) Scop. and its Polyphenolic Fractions Inhibit the Mutagenicity of Tert-Butylhydroperoxide in *Escherichia Coli* WP2uvrAR Strain. *Phytother Res.* 2016 May;30(5):829-34. doi: 10.1002/ptr.5588. Epub 2016 Feb 18. PubMed PMID: 26890612.

127: Leggio GM, Catania MV, Puzzo D, Spatuzza M, Pellitteri R, Gulisano W, Torrisi SA, Giurdanella G, Piazza C, Impellizzeri AR, Gozzo L, Navarria A, Bucolo C, Nicoletti F, Palmeri A, Salomone S, Copani A, Caraci F, Drago F. The antineoplastic drug flavopiridol reverses memory impairment induced by Amyloid- β 1-42 oligomers in mice. *Pharmacol Res.* 2016 Apr;106:10-20. doi: 10.1016/j.phrs.2016.02.007. Epub 2016 Feb 10. PubMed PMID: 26875816.

128: Manduca A, Servadio M, Damsteegt R, Campolongo P, Vanderschuren LJ, Trezza V. Dopaminergic Neurotransmission in the Nucleus Accumbens Modulates Social Play Behavior in Rats. *Neuropsychopharmacology.* 2016 Aug;41(9):2215-23. doi: 10.1038/npp.2016.22. Epub 2016 Feb 10. PubMed PMID: 26860202; PubMed Central PMCID: PMC4946055.

129: Feligioni M, Mango D, Piccinin S, Imbriani P, Iannuzzi F, Caruso A, De Angelis F, Blandini F, Mercuri NB, Pisani A, Nisticò R. Subtle alterations of excitatory transmission are linked to presynaptic changes in the hippocampus of PINK1-deficient mice. *Synapse.* 2016 Jun;70(6):223-30. doi: 10.1002/syn.21894. Epub 2016 Feb 29. PubMed PMID: 26850695.

130: Graziani M, Antonilli L, Togna AR, Grassi MC, Badiani A, Saso L. Cardiovascular and Hepatic Toxicity of Cocaine: Potential Beneficial Effects of Modulators of Oxidative Stress. *Oxid Med Cell Longev.* 2016;2016:8408479. doi: 10.1155/2016/8408479. Epub 2015 Dec 28. Review. PubMed PMID: 26823954; PubMed Central PMCID: PMC4707355.

131: Gatta E, Lefebvre T, Gaetani S, dos Santos M, Marrocco J, Mir AM, Cassano T, Maccari S, Nicoletti F, Mairesse J. Evidence for an imbalance between tau O-GlcNAcylation and phosphorylation in the hippocampus of a mouse model of Alzheimer's disease. *Pharmacol Res.* 2016 Mar;105:186-97. doi: 10.1016/j.phrs.2016.01.006. Epub 2016 Jan 24. PubMed PMID: 26816085.

132: Matrisciano F, Panaccione I, Grayson DR, Nicoletti F, Guidotti A. Metabotropic Glutamate 2/3 Receptors and Epigenetic Modifications in Psychotic Disorders: A Review. *Curr Neuropharmacol.* 2016;14(1):41-7. Review. PubMed PMID: 26813121; PubMed Central PMCID: PMC4787284.

133: Romano A, Tempesta B, Micioni Di Bonaventura MV, Gaetani S. From Autism to Eating Disorders and More: The Role of Oxytocin in Neuropsychiatric Disorders. *Front Neurosci.* 2016 Jan 12;9:497. doi: 10.3389/fnins.2015.00497. eCollection 2015. Review. PubMed PMID: 26793046; PubMed Central PMCID: PMC4709851.

134: Ghiciuc CM, Dima-Cozma LC, Bercea RM, Lupusoru CE, Mihaescu T, Cozma S, Patacchioli FR. Imbalance in the diurnal salivary testosterone/cortisol ratio in men with severe obstructive sleep apnea: an observational study. *Braz J Otorhinolaryngol.* 2016 Sep-Oct;82(5):529-35. doi: 10.1016/j.bjorl.2015.09.004. Epub 2015 Dec 17. PubMed PMID: 26749455.

135: Mori F, Nisticò R, Nicoletti CG, Zagaglia S, Mandolesi G, Piccinin S, Martino G, Finardi A, Rossini PM, Marfia GA, Furlan R, Centonze D. RANTES correlates with inflammatory activity and synaptic excitability in multiple sclerosis. *Mult Scler.* 2016 Oct;22(11):1405-1412. Epub 2016 Jan 5. PubMed PMID: 26733422.

136: Castelli M, Amodeo G, Negri L, Lattanzi R, Maftei D, Gotti C, Pistillo F, Onnis V, Congu C, Panerai AE, Sacerdote P, Franchi S. Antagonism of the Prokineticin System Prevents and Reverses Allodynia and Inflammation in a Mouse Model of Diabetes. *PLoS One.* 2016 Jan 5;11(1):e0146259. doi: 10.1371/journal.pone.0146259. eCollection 2016. PubMed PMID: 26730729; PubMed Central PMCID: PMC4701417.

137: Fagone P, Mangano K, Di Marco R, Touil-Boukoffa C, Chikovan T, Signorelli S, Lombardo GA, Patti F, Mammana S, Nicoletti F. Expression of DNA methylation genes in secondary progressive multiple sclerosis. *J Neuroimmunol.* 2016 Jan 15;290:66-9. doi: 10.1016/j.jneuroim.2015.11.018. Epub 2015 Nov 24. PubMed PMID: 26711572.

138: Romano MR, Di Menna L, Scarselli P, Mascio G, Madonna M, Notartomaso S, Puliti A, Bruno V, Battaglia G, Nicoletti F. Type-1, but Not Type-5, Metabotropic Glutamate Receptors are Coupled to Polyphosphoinositide Hydrolysis in the Retina. *Neurochem Res.* 2016 Apr;41(4):924-32. doi: 10.1007/s11064-015-1775-y. Epub 2015 Dec 23. PubMed PMID: 26700429.

139: Di Sotto A, Mazzanti G. Letter to the Editor regarding "RIFM fragrance ingredient safety assessment, linalyl acetate, CAS registry number 115-95-7" by Api et al., 2015. *Food Chem Toxicol.* 2016 Nov;97S:S237-S239. doi: 10.1016/j.fct.2015.12.009. Epub 2015 Dec 12. PubMed PMID: 26690052.

140: Cassano T, Pace L, Bedse G, Lavecchia AM, De Marco F, Gaetani S, Serviddio G. Glutamate and Mitochondria: Two Prominent Players in the Oxidative Stress-Induced Neurodegeneration. *Curr Alzheimer Res.* 2016;13(2):185-97. Review.

PubMed PMID: 26679860.

141: Fazio F, Lionetto L, Curto M, Iacovelli L, Cavallari M, Zappulla C, Olivieri M, Napoletano F, Capi M, Corigliano V, Scaccianoce S, Caruso A, Miele J, De Fusco A, Di Menna L, Comparelli A, De Carolis A, Gradini R, Nisticò R, De Blasi A, Girardi P, Bruno V, Battaglia G, Nicoletti F, Simmaco M. Xanthurenic Acid Activates mGlu2/3 Metabotropic Glutamate Receptors and is a Potential Trait Marker for Schizophrenia. *Sci Rep.* 2015 Dec 8;5:17799. doi: 10.1038/srep17799. PubMed PMID: 26643205; PubMed Central PMCID: PMC4672300.

142: Nasca C, Zelli D, Bigio B, Piccinin S, Scaccianoce S, Nisticò R, McEwen BS. Stress dynamically regulates behavior and glutamatergic gene expression in hippocampus by opening a window of epigenetic plasticity. *Proc Natl Acad Sci U S A.* 2015 Dec 1;112(48):14960-5. doi: 10.1073/pnas.1516016112. Epub 2015 Nov 16. PubMed PMID: 26627246; PubMed Central PMCID: PMC4672825.

143: Morgese MG, Colaianna M, Mhillaj E, Zotti M, Schiavone S, D'Antonio P, Harkin A, Gigliucci V, Campolongo P, Trezza V, De Stradis A, Tucci P, Cuomo V, Trabace L. Soluble beta amyloid evokes alteration in brain norepinephrine levels: role of nitric oxide and interleukin-1. *Front Neurosci.* 2015 Nov 5;9:428. doi: 10.3389/fnins.2015.00428. eCollection 2015. PubMed PMID: 26594145; PubMed Central PMCID: PMC4633524.

144: Liberatore M, Anagnostou C, Scaccianoce S, Frantellizzi V, Drudi Francesco M, D'Elia P, Barteri M, Pala A. Toxicity assessment of (99m)technetium-labeled human beta-defensin-3 in CD1 mice. *Hell J Nucl Med.* 2015 Sep-Dec;18(3):233-7. doi: 10.1967/s002449910305. Epub 2015 Nov 18. PubMed PMID: 26574693.

145: Schepisi C, Pignataro A, Doronzio SS, Piccinin S, Ferraina C, Di Prisco S, Feligioni M, Pittaluga A, Mercuri NB, Ammassari-Teule M, Nisticò R, Nencini P. Inhibition of hippocampal plasticity in rats performing contrafreeloading for water under repeated administrations of pramipexole. *Psychopharmacology (Berl).* 2016 Feb;233(4):727-37. doi: 10.1007/s00213-015-4150-4. Epub 2015 Nov 17. PubMed PMID: 26572895.

146: Fagone P, Mangano K, Pesce A, Portale TR, Puleo S, Nicoletti F. Emerging therapeutic targets for the treatment of hepatic fibrosis. *Drug Discov Today.* 2016 Feb;21(2):369-75. doi: 10.1016/j.drudis.2015.10.015. Epub 2015 Oct 30. Review. PubMed PMID: 26523773.

147: Fagone P, Nicoletti F, Vecchio GM, Parenti R, Magro G. Cyclin D1 in pediatric neuroblast tumors: A microarray analysis. *Acta Histochem.* 2015 Oct;117(8):820-3. doi: 10.1016/j.acthis.2015.10.002. Epub 2015 Oct 25. PubMed PMID: 26510683.

148: Motolese M, Mastroiacovo F, Cannella M, Bucci D, Gaglione A, Riozzi B, Lütjens R, Poli SM, Celanire S, Bruno V, Battaglia G, Nicoletti F. Targeting type-2 metabotropic glutamate receptors to protect vulnerable hippocampal neurons against ischemic damage. *Mol Brain.* 2015 Oct 24;8(1):66. doi: 10.1186/s13041-015-0158-2. PubMed PMID: 26496940; PubMed Central PMCID:

PMC4619332.

149: Severini C, Lattanzi R, Maftei D, Marconi V, Ciotti MT, Petrocchi Passeri P, Florenzano F, Del Duca E, Caioli S, Zona C, Balboni G, Salvadori S, Nisticò R, Negri L. Bv8/prokineticin 2 is involved in A β -induced neurotoxicity. *Sci Rep.* 2015 Oct 19;5:15301. doi: 10.1038/srep15301. PubMed PMID: 26477583; PubMed Central PMCID: PMC4610025.

150: Morena M, De Castro V, Gray JM, Palmery M, Trezza V, Rozendaal B, Hill MN, Campolongo P. Training-Associated Emotional Arousal Shapes Endocannabinoid Modulation of Spatial Memory Retrieval in Rats. *J Neurosci.* 2015 Oct 14;35(41):13962-74. doi: 10.1523/JNEUROSCI.1983-15.2015. PubMed PMID: 26468197.

151: Valenza M, DiLeo A, Steardo L, Cottone P, Sabino V. Ethanol-related behaviors in mice lacking the sigma-1 receptor. *Behav Brain Res.* 2016 Jan 15;297:196-203. doi: 10.1016/j.bbr.2015.10.013. Epub 2015 Oct 14. PubMed PMID: 26462569; PubMed Central PMCID: PMC4679530.

152: Giudetti AM, Romano A, Lavecchia AM, Gaetani S. The Role of Brain Cholesterol and its Oxidized Products in Alzheimer's Disease. *Curr Alzheimer Res.* 2016;13(2):198-205. Review. PubMed PMID: 26391039.

153: Verkhratsky A, Steardo L, Parpura V, Montana V. Translational potential of astrocytes in brain disorders. *Prog Neurobiol.* 2016 Sep;144:188-205. doi: 10.1016/j.pneurobio.2015.09.003. Epub 2015 Sep 16. Review. PubMed PMID: 26386136; PubMed Central PMCID: PMC4794425.

154: Fagone P, Nicoletti F, Salvatorelli L, Musumeci G, Magro G. Cyclin D1 and Ewing's sarcoma/PNET: A microarray analysis. *Acta Histochem.* 2015 Oct;117(8):824-8. doi: 10.1016/j.acthis.2015.08.006. Epub 2015 Sep 9. PubMed PMID: 26363896.

155: Fabrazzo M, Monteleone P, Prisco V, Perris F, Catapano F, Tortorella A, Monteleone AM, Steardo L, Maj M. Olanzapine Is Faster than Haloperidol in Inducing Metabolic Abnormalities in Schizophrenic and Bipolar Patients. *Neuropsychobiology.* 2015;72(1):29-36. PubMed PMID: 26337616.

156: Trabace L, Tucci P, Ciuffreda L, Matteo M, Fortunato F, Campolongo P, Trezza V, Cuomo V. "Natural" relief of pregnancy-related symptoms and neonatal outcomes: above all do no harm. *J Ethnopharmacol.* 2015 Nov 4;174:396-402. doi: 10.1016/j.jep.2015.08.046. PubMed PMID: 26325431.

157: Giuffrida ML, Tomasello MF, Pandini G, Caraci F, Battaglia G, Busceti C, Di Pietro P, Pappalardo G, Attanasio F, Chiechio S, Bagnoli S, Nacmias B, Sorbi S, Vigneri R, Rizzarelli E, Nicoletti F, Copani A. Monomeric β -amyloid interacts with type-1 insulin-like growth factor receptors to provide energy supply to neurons. *Front Cell Neurosci.* 2015 Aug 7;9:297. doi: 10.3389/fncel.2015.00297. eCollection 2015. PubMed PMID: 26300732; PubMed Central PMCID: PMC4528168.

158: Cirillo C, Capoccia E, Iuvone T, Cuomo R, Sarnelli G, Steardo L, Esposito G.
S100B Inhibitor Pentamidine Attenuates Reactive Gliosis and Reduces Neuronal Loss
in a Mouse Model of Alzheimer's Disease. *Biomed Res Int.* 2015;2015:508342. doi:
10.1155/2015/508342. Epub 2015 Jul 29. PubMed PMID: 26295040; PubMed Central
PMCID: PMC4532807.

159: Steardo L Jr, Bronzuoli MR, Iacomino A, Esposito G, Steardo L, Scuderi C.
Does neuroinflammation turn on the flame in Alzheimer's disease? Focus on astrocytes. *Front Neurosci.* 2015 Jul 29;9:259. doi: 10.3389/fnins.2015.00259.
eCollection 2015. Review. PubMed PMID: 26283900; PubMed Central PMCID:
PMC4518161.

160: Mairesse J, Gatta E, Reynaert ML, Marrocco J, Morley-Fletcher S, Soichot M,
Deruyter L, Camp GV, Bouwalerh H, Fagioli F, Pittaluga A, Allorge D, Nicoletti F,
Maccari S. Activation of presynaptic oxytocin receptors enhances glutamate release in the ventral hippocampus of prenatally restraint stressed rats. *Psychoneuroendocrinology.* 2015 Dec;62:36-46. doi:
10.1016/j.psyneuen.2015.07.005.
Epub 2015 Jul 18. PubMed PMID: 26231445.

161: Maksimovic-Ivanic D, Mojic M, Bulatovic M, Radojkovic M, Kuzmanovic M,
Ristic S, Stosic-Grujicic S, Miljkovic D, Cavalli E, Libra M, Fagone P, McCubrey J,
Nicoletti F, Mijatovic S. The NO-modified HIV protease inhibitor as a valuable drug for hematological malignancies: Role of p70S6K. *Leuk Res.* 2015 Oct;39(10):1088-95. doi: 10.1016/j.leukres.2015.06.013. Epub 2015 Jun 28. PubMed PMID: 26220866.

162: Ghiglieri V, Napolitano F, Pelosi B, Schepisi C, Migliarini S, Di Maio A,
Pendolino V, Mancini M, Sciamanna G, Vitucci D, Maddaloni G, Giampà C, Errico F,
Nisticò R, Pasqualetti M, Picconi B, Usiello A. Rhes influences striatal cAMP/PKA-dependent signaling and synaptic plasticity in a gender-sensitive fashion. *Sci Rep.* 2015 Jul 20;5:10933. doi: 10.1038/srep10933. PubMed PMID: 26190541; PubMed Central PMCID: PMC4507147.

163: Donia M, Andersen R, Kjeldsen JW, Fagone P, Munir S, Nicoletti F, Andersen MH, Thor Straten P, Svane IM. Aberrant Expression of MHC Class II in Melanoma Attracts Inflammatory Tumor-Specific CD4+ T- Cells, Which Dampen CD8+ T-cell Antitumor Reactivity. *Cancer Res.* 2015 Sep 15;75(18):3747-59. doi:
10.1158/0008-5472.CAN-14-2956. Epub 2015 Jul 16. PubMed PMID: 26183926.

164: di Nuzzo L, Orlando R, Tognoli C, Di Pietro P, Bertini G, Miele J, Bucci D,
Motolese M, Scaccianoce S, Caruso A, Mauro G, De Lucia C, Battaglia G, Bruno V,
Fabene PF, Nicoletti F. Antidepressant activity of fingolimod in mice. *Pharmacol Res Perspect.* 2015 Jun;3(3):e00135. doi: 10.1002/prp2.135. Epub 2015 May 24.
PubMed PMID: 26171219; PubMed Central PMCID: PMC4492751.

165: Romano A, Tempesta B, Provensi G, Passani MB, Gaetani S. Central mechanisms mediating the hypophagic effects of oleylethanolamide and N-acylphosphatidylethanolamines: different lipid signals? *Front Pharmacol.* 2015 Jun 26;6:137. doi: 10.3389/fphar.2015.00137. eCollection 2015. Review. PubMed PMID: 26167152; PubMed Central PMCID: PMC4481858.

166: Busceti CL, Di Pietro P, Riozzi B, Traficante A, Biagioni F, Nisticò R, Fornai F, Battaglia G, Nicoletti F, Bruno V. 5-HT(2C) serotonin receptor blockade prevents tau protein hyperphosphorylation and corrects the defect in hippocampal synaptic plasticity caused by a combination of environmental stressors in mice. *Pharmacol Res.* 2015 Sep;99:258-68. doi: 10.1016/j.phrs.2015.06.017. Epub 2015 Jul 2. PubMed PMID: 26145279.

167: Capoccia E, Cirillo C, Marchetto A, Tiberi S, Sawikr Y, Pesce M, D'Alessandro A, Scuderi C, Sarnelli G, Cuomo R, Steardo L, Esposito G. S100B-p53 disengagement by pentamidine promotes apoptosis and inhibits cellular migration via aquaporin-4 and metalloproteinase-2 inhibition in C6 glioma cells. *Oncol Lett.* 2015 Jun;9(6):2864-2870. Epub 2015 Apr 1. PubMed PMID: 26137161; PubMed Central PMCID: PMC4473713.

168: Fagone P, Mangano K, Mammana S, Pesce A, Pesce A, Calatabiano R, Giorlandino A, Portale TR, Cavalli E, Lombardo GA, Coco M, Puleo S, Nicoletti F. Identification of novel targets for the diagnosis and treatment of liver fibrosis. *Int J Mol Med.* 2015 Sep;36(3):747-52. doi: 10.3892/ijmm.2015.2264. Epub 2015 Jun 29. PubMed PMID: 26135677.

169: Graziani M, Nisticò R. Gender differences in pharmacokinetics and pharmacodynamics of methadone substitution therapy. *Front Pharmacol.* 2015 Jun 9;6:122. doi: 10.3389/fphar.2015.00122. eCollection 2015. Review. PubMed PMID: 26106330; PubMed Central PMCID: PMC4460328.

170: De Arcangelis V, Strimpakos G, Gabanella F, Corbi N, Luvisetto S, Magrelli A, Onori A, Passananti C, Pisani C, Rome S, Severini C, Naro F, Mattei E, Di Certo MG, Monaco L. Pathways Implicated in Tadalafil Amelioration of Duchenne Muscular Dystrophy. *J Cell Physiol.* 2016 Jan;231(1):224-32. doi: 10.1002/jcp.25075. PubMed PMID: 26097015.

171: Valenza M, Steardo L, Cottone P, Sabino V. Diet-induced obesity and diet-resistant rats: differences in the rewarding and anorectic effects of D-amphetamine. *Psychopharmacology (Berl).* 2015 Sep;232(17):3215-26. doi: 10.1007/s00213-015-3981-3. Epub 2015 Jun 7. PubMed PMID: 26047964; PubMed Central PMCID: PMC4536171.

172: Peluso I, Palmery M, Vitalone A. Green Tea and Bone Marrow Transplantation: From Antioxidant Activity to Enzymatic and Multidrug-resistance Modulation. *Crit Rev Food Sci Nutr.* 2016 Oct 25;56(14):2251-60. doi: 10.1080/10408398.2013.826175. Review. PubMed PMID: 26047551.

173: D'Amore V, von Radow C, Nicoletti F, Ngomba RT, van Luijtelaar G. Anti-absence activity of mGlu1 and mGlu5 receptor enhancers and their interaction with a GABA reuptake inhibitor: Effect of local infusions in the somatosensory cortex and thalamus. *Epilepsia.* 2015 Jul;56(7):1141-51. doi: 10.1111/epi.13024. Epub 2015 Jun 3. PubMed PMID: 26040777.

174: Rubattu S, Bianchi F, Busceti CL, Cotugno M, Stanzione R, Marchitti S, Di Castro S, Madonna M, Nicoletti F, Volpe M. Differential modulation of AMPK/PPAR α /UCP2 axis in relation to hypertension and aging in the brain, kidneys and heart of two closely related spontaneously hypertensive rat strains. *Oncotarget.* 2015 Aug 7;6(22):18800-18. PubMed PMID: 26023797; PubMed Central PMCID: PMC4662457.

175: Garzoli S, Pirolli A, Vavala E, Di Sotto A, Sartorelli G, Božović M, Angioletta L, Mazzanti G, Pepi F, Ragno R. Multidisciplinary Approach to Determine the Optimal Time and Period for Extracting the Essential Oil from *Mentha suaveolens* Ehrh. *Molecules.* 2015 May 26;20(6):9640-55. doi: 10.3390/molecules20069640. PubMed PMID: 26016551.

176: Conway TF, Hammer L, Furtado S, Mathiowitz E, Nicoletti F, Mangano K, Egilmez NK, Auci DL. Oral Delivery of Particulate Transforming Growth Factor Beta 1 and All-Trans Retinoic Acid Reduces Gut Inflammation in Murine Models of Inflammatory Bowel Disease. *J Crohns Colitis.* 2015 Aug;9(8):647-58. doi: 10.1093/ecco-jcc/jjv089. Epub 2015 May 18. PubMed PMID: 25987350; PubMed Central PMCID: PMC4817304.

177: Mazzanti G, Di Sotto A, Vitalone A. Hepatotoxicity of green tea: an update. *Arch Toxicol.* 2015 Aug;89(8):1175-91. doi: 10.1007/s00204-015-1521-x. Epub 2015 May 16. Review. PubMed PMID: 25975988.

178: Petrocchi-Passeri P, Cero C, Cutarelli A, Frank C, Severini C, Bartolomucci A, Possenti R. The VGF-derived peptide TLQP-62 modulates insulin secretion and glucose homeostasis. *J Mol Endocrinol.* 2015 Jun;54(3):227-39. doi: 10.1530/JME-14-0313. Epub 2015 Apr 27. PubMed PMID: 25917832.

179: Manduca A, Morena M, Campolongo P, Servadio M, Palmery M, Trabace L, Hill MN, Vandershuren LJ, Cuomo V, Trezza V. Distinct roles of the endocannabinoids anandamide and 2-arachidonoylglycerol in social behavior and emotionality at different developmental ages in rats. *Eur Neuropsychopharmacol.* 2015 Aug;25(8):1362-74. doi: 10.1016/j.euroneuro.2015.04.005. Epub 2015 Apr 14. PubMed PMID: 25914159.

180: Rapinesi C, Kotzalidis GD, Curto M, Serata D, Ferri VR, Scatena P, Carbonetti P, Napoletano F, Miele J, Scaccianoce S, Del Casale A, Nicoletti F, Angeletti G, Girardi P. Electroconvulsive therapy improves clinical manifestations of treatment-resistant depression without changing serum BDNF levels. *Psychiatry Res.* 2015 Jun 30;227(2-3):171-8. doi: 10.1016/j.psychres.2015.04.009. Epub 2015 Apr 13. PubMed PMID: 25910420.

181: Fagone P, Mangano K, Quattrocchi C, Cavalli E, Mammana S, Lombardo GA, Pennisi V, Zocca MB, He M, Al-Abed Y, Nicoletti F. Effects of NO-Hybridization on the Immunomodulatory Properties of the HIV Protease Inhibitors Lopinavir and Ritonavir. *Basic Clin Pharmacol Toxicol.* 2015 Nov;117(5):306-15. doi: 10.1111/bcpt.12414. Epub 2015 May 25. PubMed PMID: 25903922.

182: Truini A, Pirosio S, Pasquale E, Notartomaso S, Di Stefano G, Lattanzi R, Battaglia G, Nicoletti F, Crucu G. N-acetyl-cysteine, a drug that enhances the

endogenous activation of group-II metabotropic glutamate receptors, inhibits nociceptive transmission in humans. *Mol Pain.* 2015 Mar 20;11:14. doi: 10.1186/s12990-015-0009-2. PubMed PMID: 25889381; PubMed Central PMCID: PMC4379592.

183: Abou-Hamdan M, Costanza M, Fontana E, Di Dario M, Musio S, Congiu C, Onnis V, Lattanzi R, Radaelli M, Martinelli V, Salvadori S, Negri L, Poliani PL, Farina C, Balboni G, Steinman L, Pedotti R. Critical role for prokineticin 2 in CNS autoimmunity. *Neurol Neuroimmunol Neuroinflamm.* 2015 Apr 9;2(3):e95. doi: 10.1212/NXI.0000000000000095. eCollection 2015 Jun. PubMed PMID: 25884014; PubMed Central PMCID: PMC4396530.

184: Blasio A, Valenza M, Iyer MR, Rice KC, Steardo L, Hayashi T, Cottone P, Sabino V. Sigma-1 receptor mediates acquisition of alcohol drinking and seeking behavior in alcohol-preferring rats. *Behav Brain Res.* 2015;287:315-22. doi: 10.1016/j.bbr.2015.03.065. Epub 2015 Apr 4. PubMed PMID: 25848705; PubMed Central PMCID: PMC4424067.

185: Soufli I, Toumi R, Rafa H, Amri M, Labsi M, Khelifi L, Nicoletti F, Touil-Boukoffa C. Crude extract of hydatid laminated layer from *Echinococcus granulosus* cyst attenuates mucosal intestinal damage and inflammatory responses in Dextran Sulfate Sodium induced colitis in mice. *J Inflamm (Lond).* 2015 Mar 17;12:19. doi: 10.1186/s12950-015-0063-6. eCollection 2015. PubMed PMID: 25844068; PubMed Central PMCID: PMC4384302.

186: Cipriano M, Esposito G, Negro L, Capoccia E, Sarnelli G, Scuderi C, De Filippis D, Steardo L, Iuvone T. Palmitoylethanolamide Regulates Production of Pro-Angiogenic Mediators in a Model of β Amyloid-Induced Astrogliosis In Vitro. *CNS Neurol Disord Drug Targets.* 2015;14(7):828-37. PubMed PMID: 25801844.

187: Cristino L, Luongo L, Squillace M, Paolone G, Mango D, Piccinin S, Zianni E, Imperatore R, Iannotta M, Longo F, Errico F, Vescovi AL, Morari M, Maione S, Gardoni F, Nisticò R, Usiello A. d-Aspartate oxidase influences glutamatergic system homeostasis in mammalian brain. *Neurobiol Aging.* 2015 May;36(5):1890-902. doi: 10.1016/j.neurobiolaging.2015.02.003. Epub 2015 Feb 12. PubMed PMID: 25771393.

188: Nisticò R, Florenzano F, Mango D, Ferraina C, Grilli M, Di Prisco S, Nobili A, Saccucci S, D'Amelio M, Morbin M, Marchi M, Mercuri NB, Davis RJ, Pittaluga A, Feligioni M. Presynaptic c-Jun N-terminal Kinase 2 regulates NMDA receptor-dependent glutamate release. *Sci Rep.* 2015 Mar 12;5:9035. doi: 10.1038/srep09035. PubMed PMID: 25762148; PubMed Central PMCID: PMC4357012.

189: Badiani A, Boden JM, De Pirro S, Fergusson DM, Horwood LJ, Harold GT. Tobacco smoking and cannabis use in a longitudinal birth cohort: evidence of reciprocal causal relationships. *Drug Alcohol Depend.* 2015 May 1;150:69-76. doi: 10.1016/j.drugalcdep.2015.02.015. Epub 2015 Feb 23. PubMed PMID: 25759089.

190: Cannella M, Motolese M, Bucci D, Molinaro G, Gradini R, Bruno V, Nicoletti F, Battaglia G. Changes in the expression of genes encoding for mGlu4 and mGlu5

receptors and other regulators of the indirect pathway in acute mouse models of drug-induced parkinsonism. *Neuropharmacology*. 2015 Aug;95:50-8. doi: 10.1016/j.neuropharm.2015.02.024. Epub 2015 Mar 5. PubMed PMID: 25747602.

191: Allkanjari O, Vitalone A. What do we know about phytotherapy of benign prostatic hyperplasia? *Life Sci*. 2015 Apr 1;126:42-56. doi: 10.1016/j.lfs.2015.01.023. Epub 2015 Feb 20. Review. PubMed PMID: 25703069.

192: Fagone P, Mangano K, Mammana S, Cavalli E, Di Marco R, Barcellona ML, Salvatorelli L, Magro G, Nicoletti F. Carbon monoxide-releasing molecule-A1 (CORM-A1) improves clinical signs of experimental autoimmune uveoretinitis (EAU) in rats. *Clin Immunol*. 2015 Apr;157(2):198-204. doi: 10.1016/j.clim.2015.02.002. Epub 2015 Feb 19. PubMed PMID: 25701800.

193: Martocchia A, Curto M, Comite F, Scaccianoce S, Girardi P, Ferracuti S, Nicoletti F, Falaschi P; Orthogeriatric Group. The Prevention and Treatment of Delirium in Elderly Patients Following Hip Fracture Surgery. *Recent Pat CNS Drug Discov*. 2015;10(1):55-64. Review. PubMed PMID: 25687439.

194: Lattanzi R, Maftei D, Marconi V, Florenzano F, Franchi S, Borsani E, Rodella LF, Balboni G, Salvadori S, Sacerdote P, Negri L. Prokineticin 2 upregulation in the peripheral nervous system has a major role in triggering and maintaining neuropathic pain in the chronic constriction injury model. *Biomed Res Int*. 2015;2015:301292. doi: 10.1155/2015/301292. Epub 2015 Jan 5. PubMed PMID: 25685780; PubMed Central PMCID: PMC4313068.

195: Montanari C, Stendardo E, De Luca MT, Meringolo M, Contu L, Badiani A. Differential vulnerability to relapse into heroin versus cocaine-seeking as a function of setting. *Psychopharmacology (Berl)*. 2015 Jul;232(13):2415-24. doi: 10.1007/s00213-015-3877-2. Epub 2015 Feb 10. PubMed PMID: 25662790.

196: Spampinato SF, Merlo S, Chisari M, Nicoletti F, Sortino MA. Glial metabotropic glutamate receptor-4 increases maturation and survival of oligodendrocytes. *Front Cell Neurosci*. 2015 Jan 14;8:462. doi: 10.3389/fncel.2014.00462. eCollection 2014. PubMed PMID: 25642169; PubMed Central PMCID: PMC4294134.

197: Romano A, Pace L, Tempesta B, Lavecchia AM, Macheda T, Bedse G, Petrella A, Cifani C, Serviddio G, Vendemiale G, Gaetani S, Cassano T. Depressive-like behavior is paired to monoaminergic alteration in a murine model of Alzheimer's disease. *Int J Neuropsychopharmacol*. 2014 Oct 31;18(4). pii: pyu020. doi: 10.1093/ijnp/pyu020. PubMed PMID: 25609597; PubMed Central PMCID: PMC4360228.

198: 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. *J Neurosci Res*. 2015 May;93(5):777-87. doi: 10.1002/jnr.23539. Epub 2015 Jan 12. PubMed PMID: 25581607.

199: Esposito E, Ravani L, Drechsler M, Mariani P, Contado C, Ruokolainen J, Ratano P, Campolongo P, Trezza V, Nastruzzi C, Cortesi R. Cannabinoid antagonist

in nanostructured lipid carriers (NLCs): design, characterization and in vivo study. *Mater Sci Eng C Mater Biol Appl.* 2015 Mar;48:328-36. doi: 10.1016/j.msec.2014.12.012. Epub 2014 Dec 9. PubMed PMID: 25579930.

200: Maino B, D'Agata V, Severini C, Ciotti MT, Calissano P, Copani A, Chang YC, DeLisi C, Cavallaro S. Igf1 and Pacap rescue cerebellar granule neurons from apoptosis via a common transcriptional program. *Cell Death Discov.* 2015;1. pii: 15029. Epub 2015 Sep 7. PubMed PMID: 26941962; PubMed Central PMCID: PMC4773033.

201: Atsak P, Hauer D, Campolongo P, Schelling G, Fornari RV, Rozendaal B. Endocannabinoid signaling within the basolateral amygdala integrates multiple stress hormone effects on memory consolidation. *Neuropsychopharmacology.* 2015 May;40(6):1485-94. doi: 10.1038/npp.2014.334. Epub 2014 Dec 30. PubMed PMID: 25547713; PubMed Central PMCID: PMC4397407.

202: Hampel H, Schneider LS, Giacobini E, Kivipelto M, Sindi S, Dubois B, Broich K, Nisticò R, Aisen PS, Lista S. Advances in the therapy of Alzheimer's disease: targeting amyloid beta and tau and perspectives for the future. *Expert Rev Neurother.* 2015 Jan;15(1):83-105. doi: 10.1586/14737175.2015.995637. Epub 2014 Dec 24. Review. PubMed PMID: 25537424.

203: Nicoletti F, Bruno V, Ngomba RT, Gradini R, Battaglia G. Metabotropic glutamate receptors as drug targets: what's new? *Curr Opin Pharmacol.* 2015 Feb;20:89-94. doi: 10.1016/j.coph.2014.12.002. Epub 2014 Dec 12. Review. PubMed PMID: 25506748.

204: Di Giacomo S, Mazzanti G, Sarpietro MG, Di Sotto A. α -Hexylcinnamaldehyde inhibits the genotoxicity of environmental pollutants in the bacterial reverse mutation assay. *J Nat Prod.* 2014 Dec 26;77(12):2664-70. doi: 10.1021/np500567d. Epub 2014 Dec 10. PubMed PMID: 25494477.

205: Morena M, Rozendaal B, Trezza V, Ratano P, Peloso A, Hauer D, Atsak P, Trabace L, Cuomo V, McGaugh JL, Schelling G, Campolongo P. Endogenous cannabinoid release within prefrontal-limbic pathways affects memory consolidation of emotional training. *Proc Natl Acad Sci U S A.* 2014 Dec 23;111(51):18333-8. doi: 10.1073/pnas.1420285111. Epub 2014 Dec 8. PubMed PMID: 25489086; PubMed Central PMCID: PMC4280626.

206: Di Sotto A, Mazzanti G, Savickiene N, Staršelskytė R, Baksenskaite V, Di Giacomo S, Vitalone A. Antimutagenic and antioxidant activity of a protein fraction from aerial parts of *Urtica dioica*. *Pharm Biol.* 2015 Jun;53(6):935-8. doi: 10.3109/13880209.2014.950386. Epub 2014 Dec 4. PubMed PMID: 25473940.

207: Cero C, Vostrikov VV, Verardi R, Severini C, Gopinath T, Braun PD, Sassano MF, Gurney A, Roth BL, Vulchanova L, Possenti R, Veglia G, Bartolomucci A. The TLQP-21 peptide activates the G-protein-coupled receptor C3aR1 via a folding-upon-binding mechanism. *Structure.* 2014 Dec 2;22(12):1744-1753. doi: 10.1016/j.str.2014.10.001. Epub 2014 Nov 13. PubMed PMID: 25456411; PubMed Central PMCID: PMC4353613.

208: Pacelli S, Paolicelli P, Dreesen I, Kobayashi S, Vitalone A, Casadei MA. Injectable and photocross-linkable gels based on gellan gum methacrylate: a new tool for biomedical application. *Int J Biol Macromol.* 2015 Jan;72:1335-42. doi: 10.1016/j.ijbiomac.2014.10.046. Epub 2014 Oct 27. PubMed PMID: 25450552.

209: Battaglia G, Rizzoli B, Bucci D, Di Menna L, Molinaro G, Pallottino S, Nicoletti F, Bruno V. Activation of mGlu3 metabotropic glutamate receptors enhances GDNF and GLT-1 formation in the spinal cord and rescues motor neurons in the SOD-1 mouse model of amyotrophic lateral sclerosis. *Neurobiol Dis.* 2015 Feb;74:126-36. doi: 10.1016/j.nbd.2014.11.012. Epub 2014 Nov 28. PubMed PMID: 25434487.

210: Mancuso C, Gaetani S. Preclinical and clinical issues in Alzheimer's disease drug research and development. *Front Pharmacol.* 2014 Oct 28;5:234. doi: 10.3389/fphar.2014.00234. eCollection 2014. PubMed PMID: 25389404; PubMed Central PMCID: PMC4211396.

211: Tomassini A, Vitalone A, Marini F, Praticò G, Sciubba F, Bevilacqua M, Delfini M, Di Sotto A, Di Giacomo S, Mariani P, Mammola CL, Gaudio E, Miccheli A, Mazzanti G. ¹H NMR-based urinary metabolic profiling reveals changes in nicotinamide pathway intermediates due to postnatal stress model in rat. *J Proteome Res.* 2014 Dec 5;13(12):5848-59. doi: 10.1021/pr500748r. Epub 2014 Oct 20. PubMed PMID: 25299838.

212: Reynaert ML, Marrocco J, Gatta E, Mairesse J, Van Camp G, Fagioli F, Maccari S, Nicoletti F, Morley-Fletcher S. A self-medication hypothesis for increased vulnerability to drug abuse in prenatally restraint stressed rats. *Adv Neurobiol.* 2015;10:101-20. doi: 10.1007/978-1-4939-1372-5_6. PubMed PMID: 25287538.

213: Mairesse J, Van Camp G, Gatta E, Marrocco J, Reynaert ML, Consolazione M, Morley-Fletcher S, Nicoletti F, Maccari S. Sleep in prenatally restraint stressed rats, a model of mixed anxiety-depressive disorder. *Adv Neurobiol.* 2015;10:27-44. doi: 10.1007/978-1-4939-1372-5_2. PubMed PMID: 25287534.

214: Tucci P, Mhillaj E, Morgese MG, Colaianna M, Zotti M, Schiavone S, Ciccarelli M, Trezza V, Campolongo P, Cuomo V, Trabace L. Memantine prevents memory consolidation failure induced by soluble beta amyloid in rats. *Front Behav Neurosci.* 2014 Sep 19;8:332. doi: 10.3389/fnbeh.2014.00332. eCollection 2014. PubMed PMID: 25285073; PubMed Central PMCID: PMC4168698.

215: Michetti C, Romano E, Altabella L, Caruso A, Castelluccio P, Bedse G, Gaetani S, Canese R, Laviola G, Scattoni ML. Mapping pathological phenotypes in reelin mutant mice. *Front Pediatr.* 2014 Sep 4;2:95. doi: 10.3389/fped.2014.00095. eCollection 2014. PubMed PMID: 25237666; PubMed Central PMCID: PMC4154529.

216: Bhouri M, Farrow PA, Motte A, Yan X, Battaglia G, Di Menna L, Rizzoli B, Nicoletti F, Fitzjohn SM, Bashir ZI. mGlu1 receptor-induced LTD of NMDA receptor transmission selectively at Schaffer collateral-CA1 synapses mediates metaplasticity. *J Neurosci.* 2014 Sep 3;34(36):12223-9. doi: 10.1523/JNEUROSCI.0753-14.2014. PubMed PMID: 25186764; PubMed Central PMCID:

PMC4152615.

217: Mango D, Bonito-Oliva A, Ledonne A, Cappellacci L, Petrelli R, Nisticò R, Berretta N, Fisone G, Mercuri NB. Adenosine A₁ receptor stimulation reduces D1 receptor-mediated GABAergic transmission from striato-nigral terminals and attenuates l-DOPA-induced dyskinesia in dopamine-denervated mice. *Exp Neurol.* 2014 Nov;261:733-43. doi: 10.1016/j.expneurol.2014.08.022. Epub 2014 Aug 27. PubMed PMID: 25173217.

218: Marinelli S, Eleuteri C, Vacca V, Strimpakos G, Mattei E, Severini C, Pavone F, Luvisetto S. Effects of age-related loss of P/Q-type calcium channels in a mice model of peripheral nerve injury. *Neurobiol Aging.* 2015 Jan;36(1):352-64. doi: 10.1016/j.neurobiolaging.2014.07.025. Epub 2014 Jul 25. PubMed PMID: 25150573.

219: Bedse G, Romano A, Lavecchia AM, Cassano T, Gaetani S. The role of endocannabinoid signaling in the molecular mechanisms of neurodegeneration in Alzheimer's disease. *J Alzheimers Dis.* 2015;43(4):1115-36. doi: 10.3233/JAD-141635. Review. PubMed PMID: 25147120.

220: Micioni Di Bonaventura MV, Ciccocioppo R, Romano A, Bossert JM, Rice KC, Ubaldi M, St Laurent R, Gaetani S, Massi M, Shaham Y, Cifani C. Role of bed nucleus of the stria terminalis corticotrophin-releasing factor receptors in frustration stress-induced binge-like palatable food consumption in female rats with a history of food restriction. *J Neurosci.* 2014 Aug 20;34(34):11316-24. doi: 10.1523/JNEUROSCI.1854-14.2014. PubMed PMID: 25143612; PubMed Central PMCID: PMC4138341.

221: Bedse G, Colangeli R, Lavecchia AM, Romano A, Altieri F, Cifani C, Cassano T, Gaetani S. Role of the basolateral amygdala in mediating the effects of the fatty acid amide hydrolase inhibitor URB597 on HPA axis response to stress. *Eur Neuropsychopharmacol.* 2014 Sep;24(9):1511-23. doi: 10.1016/j.euroneuro.2014.07.005. Epub 2014 Jul 19. PubMed PMID: 25106694.

222: Orlando R, Borro M, Motolese M, Molinaro G, Scaccianoce S, Caruso A, di Nuzzo L, Caraci F, Matrisciano F, Pittaluga A, Mairesse J, Simmaco M, Nisticò R, Monn JA, Nicoletti F. Levels of the Rab GDP dissociation inhibitor (GDI) are altered in the prenatal restrain stress mouse model of schizophrenia and are differentially regulated by the mGlu2/3 receptor agonists, LY379268 and LY354740. *Neuropharmacology.* 2014 Nov;86:133-44. doi: 10.1016/j.neuropharm.2014.07.009. Epub 2014 Jul 22. PubMed PMID: 25063582.

223: Davis NM, Sokolosky M, Stadelman K, Abrams SL, Libra M, Candido S, Nicoletti F, Polesel J, Maestro R, D'Assoro A, Drobot L, Rakus D, Gizak A, Laidler P, Dulińska-Litewka J, Basecke J, Mijatovic S, Maksimovic-Ivanic D, Montaldo G, Cervello M, Fitzgerald TL, Demidenko Z, Martelli AM, Cocco L, Steelman LS, McCubrey JA. Deregulation of the EGFR/PI3K/PTEN/Akt/mTORC1 pathway in breast cancer: possibilities for therapeutic intervention. *Oncotarget.* 2014 Jul 15;5(13):4603-50. Review. PubMed PMID: 25051360; PubMed Central PMCID: PMC4148087.

224: Provensi G, Coccurello R, Umehara H, Munari L, Giacovazzo G, Galeotti N, Nosi D, Gaetani S, Romano A, Moles A, Blandina P, Passani MB. Satiety factor oleoylethanolamide recruits the brain histaminergic system to inhibit food intake. *Proc Natl Acad Sci U S A.* 2014 Aug 5;111(31):11527-32. doi: 10.1073/pnas.1322016111. Epub 2014 Jul 21. PubMed PMID: 25049422; PubMed Central PMCID: PMC4128140.

225: Graziani M, Nencini P, Nisticò R. Genders and the concurrent use of cocaine and alcohol: Pharmacological aspects. *Pharmacol Res.* 2014 Sep;87:60-70. doi: 10.1016/j.phrs.2014.06.009. Epub 2014 Jun 24. Review. PubMed PMID: 24972039.

226: Manduca A, Servadio M, Campolongo P, Palmery M, Trabace L, Vanderschuren LJ, Cuomo V, Trezza V. Strain- and context-dependent effects of the anandamide hydrolysis inhibitor URB597 on social behavior in rats. *Eur Neuropsychopharmacol.* 2014 Aug;24(8):1337-48. doi: 10.1016/j.euroneuro.2014.05.009. Epub 2014 May 20. PubMed PMID: 24933531.

227: McCubrey JA, Steelman LS, Bertrand FE, Davis NM, Sokolosky M, Abrams SL, Montalto G, D'Assoro AB, Libra M, Nicoletti F, Maestro R, Basecke J, Rakus D, Gizak A, Demidenko ZN, Cocco L, Martelli AM, Cervello M. GSK-3 as potential target for therapeutic intervention in cancer. *Oncotarget.* 2014 May 30;5(10):2881-911. Review. PubMed PMID: 24931005; PubMed Central PMCID: PMC4102778.

228: McCubrey JA, Davis NM, Abrams SL, Montalto G, Cervello M, Libra M, Nicoletti F, D'Assoro AB, Cocco L, Martelli AM, Steelman LS. Targeting breast cancer initiating cells: advances in breast cancer research and therapy. *Adv Biol Regul.* 2014 Sep;56:81-107. doi: 10.1016/j.jbior.2014.05.003. Epub 2014 May 22. Review. PubMed PMID: 24913694.

229: Badiani A. Is a 'general' theory of addiction possible? A commentary on: a multistep general theory of transition to addiction. *Psychopharmacology (Berl).* 2014 Oct;231(19):3923-7. doi: 10.1007/s00213-014-3627-x. Epub 2014 Jun 3. PubMed PMID: 24888430.

230: di Nuzzo L, Orlando R, Nasca C, Nicoletti F. Molecular pharmacodynamics of new oral drugs used in the treatment of multiple sclerosis. *Drug Des Devel Ther.* 2014 May 19;8:555-68. doi: 10.2147/DDDT.S52428. eCollection 2014. Review. PubMed PMID: 24876766; PubMed Central PMCID: PMC4035221.

231: Busceti CL, Biagioni F, Caliero MT, Nicoletti F, Ruggieri S, Fornai F. Novel aspects of striatal plasticity associated with long-term levo-dopa administration. *Arch Ital Biol.* 2013 Dec;151(4):192-202. PubMed PMID: 24873927.

232: Scuderi C, Stecca C, Bronzuoli MR, Rotili D, Valente S, Mai A, Steardo L. Sirtuin modulators control reactive gliosis in an in vitro model of Alzheimer's disease. *Front Pharmacol.* 2014 May 13;5:89. doi: 10.3389/fphar.2014.00089. eCollection 2014. PubMed PMID: 24860504; PubMed Central PMCID: PMC4027795.

233: Congiu C, Onnis V, Deplano A, Salvadori S, Marconi V, Maftei D, Negri L,

Lattanzi R, Balboni G. A new convenient synthetic method and preliminary pharmacological characterization of triazinediones as prokineticin receptor antagonists. *Eur J Med Chem.* 2014 Jun 23;81:334-40. doi: 10.1016/j.ejmech.2014.05.030. Epub 2014 May 14. PubMed PMID: 24852280.

234: Momčilović M, Mangano K, Jevtić B, Mammana S, Stošić-Grujičić S, Nicoletti F, Miljković D. Saquinavir-NO inhibits IL-6 production in macrophages. *Basic Clin Pharmacol Toxicol.* 2014 Dec;115(6):499-506. doi: 10.1111/bcpt.12268. Epub 2014 Jun 18. PubMed PMID: 24842127.

235: Azari EK, Ramachandran D, Weibel S, Arnold M, Romano A, Gaetani S, Langhans W, Mansouri A. Vagal afferents are not necessary for the satiety effect of the gut lipid messenger oleoylethanolamide. *Am J Physiol Regul Integr Comp Physiol.* 2014 Jul 15;307(2):R167-78. PubMed PMID: 24829501.

236: Berardi A, Trezza V, Palmery M, Trabace L, Cuomo V, Campolongo P. An updated animal model capturing both the cognitive and emotional features of post-traumatic stress disorder (PTSD). *Front Behav Neurosci.* 2014 Apr 29;8:142. doi: 10.3389/fnbeh.2014.00142. eCollection 2014. PubMed PMID: 24808840; PubMed Central PMCID: PMC4010768.

237: Romano A, Coccurello R, Giacovazzo G, Bedse G, Moles A, Gaetani S. Oleoylethanolamide: a novel potential pharmacological alternative to cannabinoid antagonists for the control of appetite. *Biomed Res Int.* 2014;2014:203425. doi: 10.1155/2014/203425. Epub 2014 Apr 3. PubMed PMID: 24800213; PubMed Central PMCID: PMC3996326.

238: Nisticò R, Ferraina C, Marconi V, Blandini F, Negri L, Egebjerg J, Feligioni M. Age-related changes of protein SUMOylation balance in the A β PP Tg2576 mouse model of Alzheimer's disease. *Front Pharmacol.* 2014 Apr 7;5:63. doi: 10.3389/fphar.2014.00063. eCollection 2014. PubMed PMID: 24778618; PubMed Central PMCID: PMC3985012.

239: Mangano K, Fagone P, Bendtzen K, Meroni PL, Quattrochi C, Mammana S, Di Rosa M, Malaguarnera L, Coco M, Magro G, Di Marco R, Nicoletti F. Hypomethylating agent 5-aza-2'-deoxycytidine (DAC) ameliorates multiple sclerosis in mouse models. *J Cell Physiol.* 2014 Dec;229(12):1918-25. doi: 10.1002/jcp.24641. PubMed PMID: 24700487.

240: Pignatelli M, Piccinin S, Molinaro G, Di Menna L, Riozzi B, Cannella M, Motolese M, Vetere G, Catania MV, Battaglia G, Nicoletti F, Nisticò R, Bruno V. Changes in mGlu5 receptor-dependent synaptic plasticity and coupling to Homer proteins in the hippocampus of Ube3A hemizygous mice modeling Angelman syndrome. *J Neurosci.* 2014 Mar 26;34(13):4558-66. doi: 10.1523/JNEUROSCI.1846-13.2014. PubMed PMID: 24672001.

241: Mori F, Nicoletti CG, Rossi S, Motta C, Kusayanagi H, Bergami A, Studer V, Buttari F, Barbieri F, Weiss S, Nisticò R, Martino G, Furlan R, Centonze D. Growth factors and synaptic plasticity in relapsing-remitting multiple sclerosis.

Neuromolecular Med. 2014 Jun;16(2):490-8. doi: 10.1007/s12017-014-8297-7. Epub 2014 Mar 27. PubMed PMID: 24671722.

242: Schepisi C, Cianci S, Bedse G, Fu J, Gaetani S, Nencini P. Differences in the structure of drinking, cart expression and dopamine turnover between polydipsic and non polydipsic rats in the quinpirole model of psychotic polydipsia. Psychopharmacology (Berl). 2014 Oct;231(19):3889-97. doi: 10.1007/s00213-014-3527-0. Epub 2014 Mar 20. PubMed PMID: 24647922.

243: Sani G, Kotzalidis GD, Panaccione I, Simonetti A, De Chiara L, Del Casale A, Ambrosi E, Napoletano F, Janiri D, Danese E, Girardi N, Rapinesi C, Serata D, Manfredi G, Koukopoulos AE, Angeletti G, Nicoletti F, Girardi P. Low-dose acetazolamide in the treatment of premenstrual dysphoric disorder: a case series. Psychiatry Investig. 2014 Jan;11(1):95-101. doi: 10.4306/pi.2014.11.1.95. Epub 2014 Jan 21. PubMed PMID: 24605130; PubMed Central PMCID: PMC3942558.

244: Curto M, Martocchia A, Comite F, Scaccianoce S, Xenos D, Nasca C, Ferracuti S, Girardi P, Nicoletti F, Falaschi P. The presence of depressive symptoms in comorbidity with Alzheimer's disease does not influence changes in serum brain-derived neurotrophic factor levels in older patients. Int J Geriatr Psychiatry. 2014 Apr;29(4):439-40. doi: 10.1002/gps.4067. PubMed PMID: 24599735.

245: Fazio F, Zappulla C, Notartomaso S, Busceti C, Bessede A, Scarselli P, Vacca C, Gargaro M, Volpi C, Allegrucci M, Lionetto L, Simmaco M, Belladonna ML, Nicoletti F, Fallarino F. Cinnabarinic acid, an endogenous agonist of type-4 metabotropic glutamate receptor, suppresses experimental autoimmune encephalomyelitis in mice. Neuropharmacology. 2014 Jun;81:237-43. doi: 10.1016/j.neuropharm.2014.02.011. Epub 2014 Feb 21. PubMed PMID: 24565643.

246: D'Antoni S, Spatuzza M, Bonaccorso CM, Musumeci SA, Ciranna L, Nicoletti F, Huber KM, Catania MV. Dysregulation of group-I metabotropic glutamate (mGlu) receptor mediated signalling in disorders associated with Intellectual Disability and Autism. Neurosci Biobehav Rev. 2014 Oct;46 Pt 2:228-41. doi: 10.1016/j.neubiorev.2014.02.003. Epub 2014 Feb 15. Review. PubMed PMID: 24548786; PubMed Central PMCID: PMC5499156.

247: Fagone P, Muthuman K, Mangano K, Magro G, Meroni PL, Kim JJ, Sardesai NY, Weiner DB, Nicoletti F. VGX-1027 modulates genes involved in lipopolysaccharide-induced Toll-like receptor 4 activation and in a murine model of systemic lupus erythematosus. Immunology. 2014 Aug;142(4):594-602. doi: 10.1111/imm.12267. PubMed PMID: 24527796; PubMed Central PMCID: PMC4107669.

248: Zotti M, Tucci P, Colaianna M, Morgese MG, Mhillaj E, Schiavone S, Scaccianoce S, Cuomo V, Trabace L. Chronic nandrolone administration induces dysfunction of the reward pathway in rats. Steroids. 2013 Oct 24. pii: S0039-128X(13)00219-5. doi: 10.1016/j.steroids.2013.10.005. [Epub ahead of print] PubMed PMID: 24512700.

249: Marrocco J, Reynaert ML, Gatta E, Gabriel C, Mocaër E, Di Prisco S, Merega

E, Pittaluga A, Nicoletti F, Maccari S, Morley-Fletcher S, Mairesse J. The effects of antidepressant treatment in prenatally stressed rats support the glutamatergic hypothesis of stress-related disorders. *J Neurosci*. 2014 Feb 5;34(6):2015-24. doi: 10.1523/JNEUROSCI.4131-13.2014. PubMed PMID: 24501344.

250: Bedse G, Romano A, Cianci S, Lavecchia AM, Lorenzo P, Elphick MR, Laferla FM, Vendemiale G, Grillo C, Altieri F, Cassano T, Gaetani S. Altered expression of the CB1 cannabinoid receptor in the triple transgenic mouse model of Alzheimer's disease. *J Alzheimers Dis*. 2014;40(3):701-12. doi: 10.3233/JAD-131910. PubMed PMID: 24496074.

251: Di Lorenzo C, Daverio A, Pasqualetti P, Coppola G, Giannoudas I, Barone Y, Grieco GS, Niolu C, Pascale E, Santorelli FM, Nicoletti F, Pierelli F, Siracusano A, Seri S, Di Lorenzo G. The upstream Variable Number Tandem Repeat polymorphism of the monoamine oxidase type A gene influences trigeminal pain-related evoked responses. *Eur J Neurosci*. 2014 Feb;39(3):501-7. doi: 10.1111/ejn.12458. PubMed PMID: 24494688.

252: Zotti M, Tucci P, Colaianna M, Morgese MG, Mhillaj E, Schiavone S, Scaccianoce S, Cuomo V, Trabace L. Chronic nandrolone administration induces dysfunction of the reward pathway in rats. *Steroids*. 2014 Jan;79:7-13. PubMed PMID: 24490270.

253: Nikolic I, Saksida T, Mangano K, Vujicic M, Stojanovic I, Nicoletti F, Stosic-Grujicic S. Pharmacological application of carbon monoxide ameliorates islet-directed autoimmunity in mice via anti-inflammatory and anti-apoptotic effects. *Diabetologia*. 2014 May;57(5):980-90. doi: 10.1007/s00125-014-3170-7. Epub 2014 Feb 2. PubMed PMID: 24488023.

254: Romano MR, Biagioli F, Carrizzo A, Lorusso M, Spadaro A, Micelli Ferrari T, Vecchione C, Zurria M, Marrazzo G, Mascio G, Sacchetti B, Madonna M, Fornai F, Nicoletti F, Lograno MD. Effects of vitamin B12 on the corneal nerve regeneration in rats. *Exp Eye Res*. 2014 Mar;120:109-17. doi: 10.1016/j.exer.2014.01.017. Epub 2014 Jan 29. PubMed PMID: 24486457.

255: Patacchioli FR, Tabarrini A, Ghiciuc CM, Dima-Cozma LC, Prete A, Bianchini C, Nicoletti F, Gozal D, Villa MP. Salivary biomarkers of obstructive sleep apnea syndrome in children. *Pediatr Pulmonol*. 2014 Nov;49(11):1145-52. doi: 10.1002/ppul.22972. Epub 2014 Jan 29. PubMed PMID: 24474530.

256: Strimpakos G, Corbi N, Pisani C, Di Certo MG, Onori A, Luvisetto S, Severini C, Gabanella F, Monaco L, Mattei E, Passananti C. Novel adeno-associated viral vector delivering the utrophin gene regulator jazz counteracts dystrophic pathology in mdx mice. *J Cell Physiol*. 2014 Sep;229(9):1283-91. doi: 10.1002/jcp.24567. PubMed PMID: 24469912; PubMed Central PMCID: PMC4303978.

257: Martocchia A, Curto M, Scaccianoce S, Comite F, Xenos D, Nasca C, Falaschi GM, Ferracuti S, Girardi P, Nicoletti F, Falaschi P. Effects of escitalopram on serum BDNF levels in elderly patients with depression: a preliminary report. *Aging Clin Exp Res*. 2014 Aug;26(4):461-4. doi: 10.1007/s40520-014-0194-2. Epub 2014 Jan 17. PubMed PMID: 24435333.

258: Thieme U, Schelling G, Hauer D, Greif R, Dame T, Laubender RP, Bernhard W, Thieme D, Campolongo P, Theiler L. Quantification of anandamide and 2-arachidonoylglycerol plasma levels to examine potential influences of tetrahydrocannabinol application on the endocannabinoid system in humans. *Drug Test Anal.* 2014 Jan-Feb;6(1-2):17-23. doi: 10.1002/dta.1561. Epub 2013 Oct 28. PubMed PMID: 24424856.

259: Panaccione I, Napoletano F, Forte AM, Kotzalidis GD, Del Casale A, Rapinesi C, Brugnoli C, Serata D, Caccia F, Cuomo I, Ambrosi E, Simonetti A, Savoja V, De Chiara L, Danese E, Manfredi G, Janiri D, Motolese M, Nicoletti F, Girardi P, Sani G. Neurodevelopment in schizophrenia: the role of the wnt pathways. *Curr Neuropharmacol.* 2013 Sep;11(5):535-58. doi: 10.2174/1570159X113119990037. PubMed PMID: 24403877; PubMed Central PMCID: PMC3763761.

260: Morena M, Campolongo P. The endocannabinoid system: an emotional buffer in the modulation of memory function. *Neurobiol Learn Mem.* 2014 Jul;112:30-43. doi: 10.1016/j.nlm.2013.12.010. Epub 2013 Dec 29. Review. PubMed PMID: 24382324.

261: Scuderi C, Stecca C, Iacomino A, Steardo L. Role of astrocytes in major neurological disorders: the evidence and implications. *IUBMB Life.* 2013 Dec;65(12):957-61. doi: 10.1002/iub.1223. Epub 2013 Nov 11. Review. PubMed PMID: 24376207.

262: Ciolli L, Krismer F, Nicoletti F, Wenning GK. An update on the cerebellar subtype of multiple system atrophy. *Cerebellum Ataxias.* 2014 Oct 10;1:14. doi: 10.1186/s40673-014-0014-7. eCollection 2014. PubMed PMID: 26331038; PubMed Central PMCID: PMC4552412.

263: Feligioni M, Mattson MP, Nisticò R. SUMOylation in neuroplasticity and neurological disorders. *Neuromolecular Med.* 2013 Dec;15(4):637-8. PubMed PMID: 24354012.

264: Di Pardo A, Alberti S, Maglione V, Amico E, Cortes EP, Elifani F, Battaglia G, Busceti CL, Nicoletti F, Vonsattel JP, Squitieri F. Changes of peripheral TGF- β 1 depend on monocytes-derived macrophages in Huntington disease. *Mol Brain.* 2013 Dec 13;6:55. doi: 10.1186/1756-6606-6-55. PubMed PMID: 24330808; PubMed Central PMCID: PMC4029620.

265: Mori F, Rossi S, Piccinin S, Motta C, Mango D, Kusayanagi H, Bergami A, Studer V, Nicoletti CG, Buttari F, Barbieri F, Mercuri NB, Martino G, Furlan R, Nisticò R, Centonze D. Synaptic plasticity and PDGF signaling defects underlie clinical progression in multiple sclerosis. *J Neurosci.* 2013 Dec 4;33(49):19112-9. doi: 10.1523/JNEUROSCI.2536-13.2013. PubMed PMID: 24305808.

266: Verkhratsky A, Rodríguez JJ, Steardo L. Astroglialopathology: a central element of neuropsychiatric diseases? *Neuroscientist.* 2014 Dec;20(6):576-88. doi: 10.1177/1073858413510208. Epub 2013 Dec 3. PubMed PMID: 24301046.

267: Nisticò R, Mori F, Feligioni M, Nicoletti F, Centonze D. Synaptic plasticity in multiple sclerosis and in experimental autoimmune encephalomyelitis. *Philos*

Trans R Soc Lond B Biol Sci. 2013 Dec 2;369(1633):20130162. doi: 10.1098/rstb.2013.0162. Print 2014 Jan 5. Review. PubMed PMID: 24298163; PubMed Central PMCID: PMC3843893.

268: Scuderi C, Steardo L, Esposito G. Cannabidiol promotes amyloid precursor protein ubiquitination and reduction of beta amyloid expression in SHSY5YAPP+ cells through PPAR γ involvement. Phytother Res. 2014 Jul;28(7):1007-13. doi: 10.1002/ptr.5095. Epub 2013 Nov 28. PubMed PMID: 24288245.

269: Federici M, Latagliata EC, Ledonne A, Rizzo FR, Feligioni M, Sulzer D, Dunn M, Sames D, Gu H, Nisticò R, Puglisi-Allegra S, Mercuri NB. Paradoxical abatement of striatal dopaminergic transmission by cocaine and methylphenidate. J Biol Chem. 2014 Jan 3;289(1):264-74. doi: 10.1074/jbc.M113.495499. Epub 2013 Nov 26. PubMed PMID: 24280216; PubMed Central PMCID: PMC3879549.

270: Hampel H, Lista S, Teipel SJ, Garaci F, Nisticò R, Blennow K, Zetterberg H, Bertram L, Duyckaerts C, Bakardjian H, Drzezga A, Colliot O, Epelbaum S, Broich K, Lehéricy S, Brice A, Khachaturian ZS, Aisen PS, Dubois B. Perspective on future role of biological markers in clinical therapy trials of Alzheimer's disease: a long-range point of view beyond 2020. Biochem Pharmacol. 2014 Apr 15;88(4):426-49. doi: 10.1016/j.bcp.2013.11.009. Epub 2013 Nov 22. Review. PubMed PMID: 24275164.

271: Aureli C, Cassano T, Masci A, Francioso A, Martire S, Cocciolo A, Chichiarelli S, Romano A, Gaetani S, Mancini P, Fontana M, d'Erme M, Mosca L. 5-S-cysteinyl dopamine neurotoxicity: Influence on the expression of α -synuclein and ERp57 in cellular and animal models of Parkinson's disease. J Neurosci Res. 2014 Mar;92(3):347-58. doi: 10.1002/jnr.23318. Epub 2013 Nov 22. PubMed PMID: 24273027.

272: Campolongo P, Ratano P, Ciotti MT, Florenzano F, Nori SL, Marolda R, Palmery M, Rinaldi AM, Zona C, Possenti R, Calissano P, Severini C. Systemic administration of substance P recovers beta amyloid-induced cognitive deficits in rat: involvement of Kv potassium channels. PLoS One. 2013 Nov 12;8(11):e78036. doi: 10.1371/journal.pone.0078036. eCollection 2013. PubMed PMID: 24265678; PubMed Central PMCID: PMC3827079.

273: Novakovic D, Feligioni M, Scaccianoce S, Caruso A, Piccinin S, Schepisi C, Errico F, Mercuri NB, Nicoletti F, Nisticò R. Profile of gantenerumab and its potential in the treatment of Alzheimer's disease. Drug Des Devel Ther. 2013 Nov 13;7:1359-64. doi: 10.2147/DDDT.S53401. eCollection 2013. Review. Erratum in: Drug Des Devel Ther. 2014;8:569. PubMed PMID: 24255592; PubMed Central PMCID: PMC3832388.

274: Notartomaso S, Zappulla C, Biagioni F, Cannella M, Bucci D, Mascio G, Scarselli P, Fazio F, Weisz F, Lionetto L, Simmaco M, Gradini R, Battaglia G, Signore M, Puliti A, Nicoletti F. Pharmacological enhancement of mGlu1 metabotropic glutamate receptors causes a prolonged symptomatic benefit in a mouse model of spinocerebellar ataxia type 1. Mol Brain. 2013 Nov 19;6:48. doi: 10.1186/1756-6606-6-48. PubMed PMID: 24252411; PubMed Central PMCID: PMC4225515.

275: Moyanova SG, Mitreva RG, Kortenska LV, Nicoletti F, Ngomba RT. Age-dependence of sensorimotor and cerebral electroencephalographic asymmetry in rats subjected to unilateral cerebrovascular stroke. *Exp Transl Stroke Med.* 2013 Nov 19;5(1):13. doi: 10.1186/2040-7378-5-13. PubMed PMID: 24245542; PubMed Central PMCID: PMC4176494.

276: Di Sotto A, Maffei F, Hrelia P, Di Giacomo S, Pagano E, Borrelli F, Mazzanti G. Genotoxicity assessment of some cosmetic and food additives. *Regul Toxicol Pharmacol.* 2014 Feb;68(1):16-22. doi: 10.1016/j.yrtph.2013.11.003. Epub 2013 Nov 14. PubMed PMID: 24239523.

277: Manduca A, Campolongo P, Palmery M, Vanderschuren LJ, Cuomo V, Trezza V. Social play behavior, ultrasonic vocalizations and their modulation by morphine and amphetamine in Wistar and Sprague-Dawley rats. *Psychopharmacology (Berl).* 2014 Apr;231(8):1661-73. doi: 10.1007/s00213-013-3337-9. Epub 2013 Nov 13. PubMed PMID: 24221828.

278: Zamberletti E, Beggiato S, Steardo L Jr, Prini P, Antonelli T, Ferraro L, Rubino T, Parolaro D. Alterations of prefrontal cortex GABAergic transmission in the complex psychotic-like phenotype induced by adolescent delta-9-tetrahydrocannabinol exposure in rats. *Neurobiol Dis.* 2014 Mar;63:35-47. doi: 10.1016/j.nbd.2013.10.028. Epub 2013 Nov 4. PubMed PMID: 24200867.

279: McCubrey JA, Davis NM, Abrams SL, Montalto G, Cervello M, Basecke J, Libra M, Nicoletti F, Cocco L, Martelli AM, Steelman LS. Diverse roles of GSK-3: tumor promoter-tumor suppressor, target in cancer therapy. *Adv Biol Regul.* 2014 Jan;54:176-96. doi: 10.1016/j.jbior.2013.09.013. Epub 2013 Oct 8. Review. PubMed PMID: 24169510.

280: Hauer D, Kaufmann I, Strewe C, Briegel I, Campolongo P, Schelling G. The role of glucocorticoids, catecholamines and endocannabinoids in the development of traumatic memories and posttraumatic stress symptoms in survivors of critical illness. *Neurobiol Learn Mem.* 2014 Jul;112:68-74. doi: 10.1016/j.nlm.2013.10.003. Epub 2013 Oct 11. Review. PubMed PMID: 24125890.

281: Jakkamsetti V, Tsai NP, Gross C, Molinaro G, Collins KA, Nicoletti F, Wang KH, Osten P, Bassell GJ, Gibson JR, Huber KM. Experience-induced Arc/Arg3.1 primes CA1 pyramidal neurons for metabotropic glutamate receptor-dependent long-term synaptic depression. *Neuron.* 2013 Oct 2;80(1):72-9. doi: 10.1016/j.neuron.2013.07.020. Epub 2013 Oct 2. PubMed PMID: 24094104; PubMed Central PMCID: PMC3801421.

282: Bosco P, Ferri R, Salluzzo MG, Castellano S, Signorelli M, Nicoletti F, Nuovo SD, Drago F, Caraci F. Role of the Transforming-Growth-Factor- β 1 Gene in Late-Onset Alzheimer's Disease: Implications for the Treatment. *Curr Genomics.* 2013 Apr;14(2):147-56. doi: 10.2174/1389202911314020007. PubMed PMID: 24082824; PubMed Central PMCID: PMC3637679.

283: Esposito G, Capoccia E, Turco F, Palumbo I, Lu J, Steardo A, Cuomo R, Sarnelli G, Steardo L. Palmitoylethanolamide improves colon inflammation through an enteric glia/toll like receptor 4-dependent PPAR- α activation. *Gut.* 2014 Aug;63(8):1300-12. doi: 10.1136/gutjnl-2013-305005. Epub 2013 Sep 30. PubMed

PMID: 24082036.

284: Romano A, Potes CS, Tempesta B, Cassano T, Cuomo V, Lutz T, Gaetani S. Hindbrain noradrenergic input to the hypothalamic PVN mediates the activation of oxytocinergic neurons induced by the satiety factor oleoylethanolamide. *Am J Physiol Endocrinol Metab.* 2013 Nov 15;305(10):E1266-73. doi: 10.1152/ajpendo.00411.2013. Epub 2013 Sep 24. PubMed PMID: 24064338.

285: Feligioni M, Nisticò R. SUMO: a (oxidative) stressed protein. *Neuromolecular Med.* 2013 Dec;15(4):707-19. doi: 10.1007/s12017-013-8266-6. Epub 2013 Sep 20. Review. PubMed PMID: 24052421.

286: Mango D, Bonito-Oliva A, Ledonne A, Nisticò R, Castelli V, Giorgi M, Sancesario G, Fisone G, Berretta N, Mercuri NB. Phosphodiesterase 10A controls D1-mediated facilitation of GABA release from striato-nigral projections under normal and dopamine-depleted conditions. *Neuropharmacology.* 2014 Jan;76 Pt A:127-36. doi: 10.1016/j.neuropharm.2013.08.010. Epub 2013 Aug 22. PubMed PMID: 23973317.

287: Romano A, Cassano T, Tempesta B, Cianci S, Dipasquale P, Coccurello R, Cuomo V, Gaetani S. The satiety signal oleoylethanolamide stimulates oxytocin neurosecretion from rat hypothalamic neurons. *Peptides.* 2013 Nov;49:21-6. doi: 10.1016/j.peptides.2013.08.006. Epub 2013 Aug 16. PubMed PMID: 23959001.

288: Trezza V, Campolongo P. The endocannabinoid system as a possible target to treat both the cognitive and emotional features of post-traumatic stress disorder (PTSD). *Front Behav Neurosci.* 2013 Aug 9;7:100. doi: 10.3389/fnbeh.2013.00100. eCollection 2013. PubMed PMID: 23950739; PubMed Central PMCID: PMC3739026.

289: Severini C, Passeri PP, Ciotti M, Florenzano F, Possenti R, Zona C, Di Matteo A, Guglielmotti A, Calissano P, Pachter J, Mercanti D. Bindarit, inhibitor of CCL2 synthesis, protects neurons against amyloid- β -induced toxicity. *J Alzheimers Dis.* 2014;38(2):281-93. doi: 10.3233/JAD-131070. PubMed PMID: 23948942.

290: Fuzzati-Armentero MT, Ghezzi C, Nisticò R, Oda A, Blandini F. Single or combined treatment with L-DOPA and quinpirole differentially modulate expression and phosphorylation of key regulatory kinases in neuroblastoma cells. *Neurosci Lett.* 2013 Sep 27;552:168-73. doi: 10.1016/j.neulet.2013.07.023. Epub 2013 Jul 26. PubMed PMID: 23896526.

291: Mori F, Nisticò R, Mandolesi G, Piccinin S, Mango D, Kusayanagi H, Berretta N, Bergami A, Gentile A, Musella A, Nicoletti CG, Nicoletti F, Buttari F, Mercuri NB, Martino G, Furlan R, Centonze D. Interleukin-1 β promotes long-term potentiation in patients with multiple sclerosis. *Neuromolecular Med.* 2014 Mar;16(1):38-51. doi: 10.1007/s12017-013-8249-7. Epub 2013 Jul 28. PubMed PMID: 23892937.

292: Saksida T, Miljkovic D, Timotijevic G, Stojanovic I, Mijatovic S, Fagone P,

Mangano K, Mammana S, Farina C, Ascione E, Maiello V, Nicoletti F, Stosic-Grujicic S. Apotransferrin inhibits interleukin-2 expression and protects mice from experimental autoimmune encephalomyelitis. *J Neuroimmunol.* 2013 Sep 15;262(1-2):72-8. doi: 10.1016/j.jneuroim.2013.07.001. Epub 2013 Jul 24. PubMed PMID: 23890777.

293: Citraro R, Russo E, Ngomba RT, Nicoletti F, Scicchitano F, Whalley BJ, Calignano A, De Sarro G. CB1 agonists, locally applied to the cortico-thalamic circuit of rats with genetic absence epilepsy, reduce epileptic manifestations. *Epilepsy Res.* 2013 Sep;106(1-2):74-82. doi: 10.1016/j.eplepsyres.2013.06.004. Epub 2013 Jul 13. PubMed PMID: 23860329.

294: Ghiciuc CM, Dima Cozma LC, Bercea RM, Lupusoru CE, Mihaescu T, Szalontay A, Gianfreda A, Patacchioli FR. Restoring the salivary cortisol awakening response through nasal continuous positive airway pressure therapy in obstructive sleep apnea. *Chronobiol Int.* 2013 Oct;30(8):1024-31. doi: 10.3109/07420528.2013.795155. Epub 2013 Jul 16. PubMed PMID: 23859257.

295: Cavallucci V, Berretta N, Nobili A, Nisticò R, Mercuri NB, D'Amelio M. Calcineurin inhibition rescues early synaptic plasticity deficits in a mouse model of Alzheimer's disease. *Neuromolecular Med.* 2013 Sep;15(3):541-8. doi: 10.1007/s12017-013-8241-2. Epub 2013 Jul 3. PubMed PMID: 23821337.

296: Patacchioli FR, Perrone G, Merlini L, Simeoni S, Bevilacqua E, Capri O, Galloppi P, Brunelli R. Dysregulation of diurnal salivary cortisol production is associated with spontaneous preterm delivery: a pilot study. *Gynecol Obstet Invest.* 2013;76(1):69-73. doi: 10.1159/000351873. Epub 2013 Jun 22. PubMed PMID: 23796733.

297: Blasio A, Iemolo A, Sabino V, Petrosino S, Steardo L, Rice KC, Orlando P, Iannotti FA, Di Marzo V, Zorrilla EP, Cottone P. Rimonabant precipitates anxiety in rats withdrawn from palatable food: role of the central amygdala. *Neuropsychopharmacology.* 2013 Nov;38(12):2498-507. doi: 10.1038/npp.2013.153. Epub 2013 Jun 24. PubMed PMID: 23793355; PubMed Central PMCID: PMC3799070.

298: Caioli S, Pieri M, Antonini A, Guglielmotti A, Severini C, Zona C. Monocyte Chemoattractant Protein-1 upregulates GABA-induced current: evidence of modified GABA_A subunit composition in cortical neurons from the G93A mouse model of Amyotrophic Lateral Sclerosis. *Neuropharmacology.* 2013 Oct;73:247-60. doi: 10.1016/j.neuropharm.2013.05.045. Epub 2013 Jun 8. PubMed PMID: 23752092.

299: Mazzanti G, Di Sotto A, Di Giacomo S, Durazzi F, Mariani P, Nicoletti M, Mammola CL, Vitalone A. Chelidonium majus L. does not potentiate the hepatic effect of acetaminophen. *Exp Toxicol Pathol.* 2013 Nov;65(7-8):1117-20. doi: 10.1016/j.etp.2013.05.002. Epub 2013 May 29. PubMed PMID: 23726751.

300: Macaluso A, Bernabucci M, Trabucco A, Ciolfi L, Troisi F, Baldini R, Gradini R, Battaglia G, Nicoletti F, Collini S. Analgesic effect of a single preoperative dose of the antibiotic ceftriaxone in humans. *J Pain.* 2013 Jun;14(6):604-12. doi: 10.1016/j.jpain.2013.01.774. PubMed PMID: 23725677.

301: Marrocco J, Mairesse J, Bucci D, Lionetto L, Battaglia G, Consolazione M, Ravasi L, Simmaco M, Morley-Fletcher S, Maccari S, Nicoletti F. Early life stress causes refractoriness to haloperidol-induced catalepsy. *Mol Pharmacol.* 2013 Aug;84(2):244-51. doi: 10.1124/mol.113.085530. Epub 2013 May 28. PubMed PMID: 23716620.

302: Fagone P, Patti F, Mangano K, Mammana S, Coco M, Touil-Boukoffa C, Chikovani T, Di Marco R, Nicoletti F. Heme oxygenase-1 expression in peripheral blood mononuclear cells correlates with disease activity in multiple sclerosis. *J Neuroimmunol.* 2013 Aug 15;261(1-2):82-6. doi: 10.1016/j.jneuroim.2013.04.013. Epub 2013 May 25. PubMed PMID: 23714423.

303: Spagnolo PA, Badiani A, Nencini P. Polydrug abuse by intravenous use of heroin and tropicamide-containing eyedrops. *Clin Neuropharmacol.* 2013 May-Jun;36(3):100-1. doi: 10.1097/WNF.0b013e31828da20e. PubMed PMID: 23673915.

304: Hauer D, Schelling G, Gola H, Campolongo P, Morath J, Rozendaal B, Hamuni G, Karabatsiakis A, Atsak P, Vogeser M, Kolassa IT. Plasma concentrations of endocannabinoids and related primary fatty acid amides in patients with post-traumatic stress disorder. *PLoS One.* 2013 May 7;8(5):e62741. doi: 10.1371/journal.pone.0062741. Print 2013. PubMed PMID: 23667516; PubMed Central PMCID: PMC3647054.

305: Di Sotto A, Maffei F, Hrelia P, Castelli F, Sarpietro MG, Mazzanti G. Genotoxicity assessment of β -caryophyllene oxide. *Regul Toxicol Pharmacol.* 2013 Aug;66(3):264-8. doi: 10.1016/j.yrtph.2013.04.006. Epub 2013 May 7. PubMed PMID: 23659888.

306: Badiani A. Substance-specific environmental influences on drug use and drug preference in animals and humans. *Curr Opin Neurobiol.* 2013 Aug;23(4):588-96. doi: 10.1016/j.conb.2013.03.010. Epub 2013 Apr 24. PubMed PMID: 23622777.

307: Petković F, Blaževski J, Momčilović M, Timotijević G, Zocca MB, Mijatović S, Maksimović-Ivanic D, Mangano K, Fagone P, Stošić-Grujičić S, Nicoletti F, Miljković D. Saquinavir-NO inhibits S6 kinase activity, impairs secretion of the encephalytogenic cytokines interleukin-17 and interferon-gamma and ameliorates experimental autoimmune encephalomyelitis. *J Neuroimmunol.* 2013 Jun 15;259(1-2):55-65. doi: 10.1016/j.jneuroim.2013.03.010. Epub 2013 Apr 18. PubMed PMID: 23602714.

308: Bonito-Oliva A, Pignatelli M, Spigolon G, Yoshitake T, Seiler S, Longo F, Piccinin S, Kehr J, Mercuri NB, Nisticò R, Fisone G. Cognitive impairment and dentate gyrus synaptic dysfunction in experimental parkinsonism. *Biol Psychiatry.* 2014 May 1;75(9):701-10. doi: 10.1016/j.biopsych.2013.02.015. Epub 2013 Mar 28. PubMed PMID: 23541633.

309: Degos V, Peineau S, Nijboer C, Kaindl AM, Sigaut S, Favrais G, Plaisant F, Teissier N, Gouadon E, Lombet A, Saliba E, Collingridge GL, Maze M, Nicoletti F, Heijnen C, Mantz J, Kavelaars A, Gressens P. G protein-coupled receptor kinase 2 and group I metabotropic glutamate receptors mediate inflammation-induced

sensitization to excitotoxic neurodegeneration. *Ann Neurol.* 2013 May;73(5):667-78. doi: 10.1002/ana.23868. Epub 2013 Mar 14. PubMed PMID: 23494575; PubMed Central PMCID: PMC3837433.

310: Sabino V, Narayan AR, Zeric T, Steardo L, Cottone P. mTOR activation is required for the anti-alcohol effect of ketamine, but not memantine, in alcohol-preferring rats. *Behav Brain Res.* 2013 Jun 15;247:9-16. doi: 10.1016/j.bbr.2013.02.030. Epub 2013 Mar 4. PubMed PMID: 23466691; PubMed Central PMCID: PMC3646912.

311: Nasca C, Xenos D, Barone Y, Caruso A, Scaccianoce S, Matrisciano F, Battaglia G, Mathé AA, Pittaluga A, Lionetto L, Simmaco M, Nicoletti F. L-acetylcarnitine causes rapid antidepressant effects through the epigenetic induction of mGlu2 receptors. *Proc Natl Acad Sci U S A.* 2013 Mar 19;110(12):4804-9. doi: 10.1073/pnas.1216100110. Epub 2013 Feb 4. PubMed PMID: 23382250; PubMed Central PMCID: PMC3607061.

312: Blasio A, Steardo L, Sabino V, Cottone P. Opioid system in the medial prefrontal cortex mediates binge-like eating. *Addict Biol.* 2014 Jul;19(4):652-62. doi: 10.1111/adb.12033. Epub 2013 Jan 24. PubMed PMID: 23346966; PubMed Central PMCID: PMC3664255.

313: Campolongo P, Morena M, Scaccianoce S, Trezza V, Chiarotti F, Schelling G, Cuomo V, Rozendaal B. Novelty-induced emotional arousal modulates cannabinoid effects on recognition memory and adrenocortical activity. *Neuropharmacology.* 2013 Jun;38(7):1276-86. doi: 10.1038/npp.2013.26. Epub 2013 Jan 22. Erratum in: *Neuropharmacology.* 2013 Sep;7:124. PubMed PMID: 23340520; PubMed Central PMCID: PMC3656371.

314: Nasca C, Orlando R, Marchiafava M, Boldrini P, Battaglia G, Scaccianoce S, Matrisciano F, Pittaluga A, Nicoletti F. Exposure to predator odor and resulting anxiety enhances the expression of the α 2 δ subunit of voltage-sensitive calcium channels in the amygdala. *J Neurochem.* 2013 Jun;125(5):649-56. doi: 10.1111/j.1471-4159.2012.07895.x. Epub 2013 Jan 8. PubMed PMID: 22849384.

315: Esposito G, Filippis DD, Cirillo C, Iuvone T, Capoccia E, Scuderi C, Steardo A, Cuomo R, Steardo L. Cannabidiol in inflammatory bowel diseases: a brief overview. *Phytother Res.* 2013 May;27(5):633-6. doi: 10.1002/ptr.4781. Epub 2012 Jul 20. Review. PubMed PMID: 22815234.

316: Matrisciano F, Tueting P, Dalal I, Kadriu B, Grayson DR, Davis JM, Nicoletti F, Guidotti A. Epigenetic modifications of GABAergic interneurons are associated with the schizophrenia-like phenotype induced by prenatal stress in mice. *Neuropharmacology.* 2013 May;68:184-94. doi: 10.1016/j.neuropharm.2012.04.013. Epub 2012 Apr 28. PubMed PMID: 22564440; PubMed Central PMCID: PMC3433586.

317: Cassano T, Lopalco A, de Candia M, Laquintana V, Lopedota A, Cutrignelli A, Perrone M, Iacobazzi RM, Bedse G, Franco M, Denora N, Altomare CD. Oxazepam-Dopamine Conjugates Increase Dopamine Delivery into Striatum of Intact Rats. *Mol Pharm.* 2017 Sep 5;14(9):3178-3187. doi: 10.1021/acs.molpharmaceut.7b00405. Epub 2017 Aug 22. PubMed PMID: 28780872.

318: Magini A, Polchi A, Di Meo D, Mariucci G, Sagini K, De Marco F, Cassano T, Giovagnoli S, Dolcetta D, Emiliani C. TFEB activation restores migration ability to *Tsc1*-deficient adult neural stem/progenitor cells. *Hum Mol Genet.* 2017 Sep 1;26(17):3303-3312. doi: 10.1093/hmg/ddx214. PubMed PMID: 28637240.

319: Pardeshi R, Bolshette N, Gadhave K, Ahire A, Ahmed S, Cassano T, Gupta VB, Lahkar M. Insulin signaling: An opportunistic target to minimize the risk of Alzheimer's disease. *Psychoneuroendocrinology.* 2017 Sep;83:159-171. doi: 10.1016/j.psyneuen.2017.05.004. Epub 2017 May 30. Review. PubMed PMID: 28624654.

320: Barone E, Di Domenico F, Cassano T, Arena A, Tramutola A, Lavecchia MA, Coccia R, Butterfield DA, Perluigi M. Impairment of biliverdin reductase-A promotes brain insulin resistance in Alzheimer disease: A new paradigm. *Free Radic Biol Med.* 2016 Feb;91:127-42. doi: 10.1016/j.freeradbiomed.2015.12.012. Epub 2015 Dec 15. PubMed PMID: 26698666.

321: Bedse G, Di Domenico F, Serviddio G, Cassano T. Aberrant insulin signaling in Alzheimer's disease: current knowledge. *Front Neurosci.* 2015 Jun 16;9:204. doi: 10.3389/fnins.2015.00204. eCollection 2015. Review. PubMed PMID: 26136647; PubMed Central PMCID: PMC4468388.

322: Di Gioia S, Trapani A, Mandracchia D, De Giglio E, Cometa S, Mangini V, Arnesano F, Belgiovine G, Castellani S, Pace L, Lavecchia MA, Trapani G, Conese M, Puglisi G, Cassano T. Intranasal delivery of dopamine to the striatum using glycol chitosan/sulfobutylether- β -cyclodextrin based nanoparticles. *Eur J Pharm Biopharm.* 2015 Aug;94:180-93. doi: 10.1016/j.ejpb.2015.05.019. Epub 2015 May 30. PubMed PMID: 26032293.

323: Munari L, Provensi G, Passani MB, Galeotti N, Cassano T, Benetti F, Corradetti R, Blandina P. Brain Histamine Is Crucial for Selective Serotonin Reuptake Inhibitors' Behavioral and Neurochemical Effects. *Int J Neuropsychopharmacol.* 2015 Apr 21;18(10):pyv045. doi: 10.1093/ijnp/pyv045. PubMed PMID: 25899065; PubMed Central PMCID: PMC4648163.

324: Tomasini MC, Borelli AC, Beggiato S, Ferraro L, Cassano T, Tanganeli S, Antonelli T. Differential Effects of Palmitoylethanolamide against Amyloid- β Induced Toxicity in Cortical Neuronal and Astrocytic Primary Cultures from Wild-Type and 3xTg-AD Mice. *J Alzheimers Dis.* 2015;46(2):407-21. doi: 10.3233/JAD-143039. PubMed PMID: 25765918.

325: Giovagnoli S, Cassano T, Pace L, Magini A, Polchi A, Tancini B, Perluigi M, De Marco F, Emiliani C, Dolcetta D. Evaluation of a LC-MS method for everolimus preclinical determination in brain by using [(13)C2D4]RAD001 internal standard. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2015 Mar 15;985:155-63. doi: 10.1016/j.jchromb.2015.01.035. Epub 2015 Feb 3. PubMed PMID: 25682337.

326: Martinez AA, Morgese MG, Pisanu A, Macheda T, Paquette MA, Seillier A, Cassano T, Carta AR, Giuffrida A. Activation of PPAR gamma receptors reduces levodopa-induced dyskinesias in 6-OHDA-lesioned rats. *Neurobiol Dis.* 2015 Feb;74:295-304. doi: 10.1016/j.nbd.2014.11.024. Epub 2014 Dec 5. PubMed PMID: 25486547; PubMed Central PMCID: PMC4323744.

327: Trent S, Dean R, Veit B, Cassano T, Bedse G, Ojarikre OA, Humby T, Davies W.
Biological mechanisms associated with increased perseveration and hyperactivity in a genetic mouse model of neurodevelopmental disorder.
Psychoneuroendocrinology. 2013 Aug;38(8):1370-80. doi:
10.1016/j.psyneuen.2012.12.002. Epub 2012 Dec 29. PubMed PMID: 23276394; PubMed Central PMCID: PMC3690523.

328: Pesce M, D'Alessandro A, Borrelli O, Gigli S, Seguella L, Cuomo R, Esposito G, Sarnelli G. Endocannabinoid-related compounds in gastrointestinal diseases. *J Cell Mol Med*. 2018 Feb;22(2):706-715. doi: 10.1111/jcmm.13359. Epub 2017 Oct 9. Review. PubMed PMID: 28990365; PubMed Central PMCID: PMC5783846.

329: Capoccia E, Cirillo C, Gigli S, Pesce M, D'Alessandro A, Cuomo R, Sarnelli G, Steardo L, Esposito G. Enteric glia: A new player in inflammatory bowel diseases. *Int J Immunopathol Pharmacol*. 2015 Dec;28(4):443-51. doi:
10.1177/0394632015599707. PubMed PMID: 26526203.