

Lista delle pubblicazioni su riviste indicizzate peer-reviewed

- 1) **Segatto M.**, Trapani L., Marino M., Pallottini V. (2011) “Age- and sex-related differences in extrahepatic low density lipoprotein receptor” J Cell Physiol., 226:2610-2616.
- 2) Trapani L*, **Segatto M***, Simeoni V, Balducci V, Dhawan A, Parmar VS, Prasad AK, Saso L, Incerpi S, Pallottini V. (2011) “Short- and long-term regulation of 3-hydroxy 3-methylglutaryl coenzyme A reductase by a 4-methylcoumarin” Biochimie, 93(7):1165-71.
- 3) Trapani L., **Segatto M.**, Ascenzi P., Pallottini V. (2011) "Potential role of non-statin cholesterol lowering agents" IUBMB Life, 63(11): 964-971
- 4) Trapani L., **Segatto M.**, Incerpi S., Pallottini V. (2011) “3-Hydroxy 3-Methylglutaryl Coenzyme A reductase regulation by antioxidant compounds: new therapeutic tools for hypercholesterolemia?” Current Molecular Medicine, 9(11): 790-797
- 5) Trapani L.*, Melli L.*, **Segatto M.***, Trezza V., Campolongo P., Jozwiak a., Swiezewska E., Pucillo L., Moreno S., Fanelli F., Linari M., Pallottini V. (2011) “Effects of MHC plasticity induced by HMGCoA-reductase inhibition on skeletal muscle functions” FASEB J, 25(11): 4037-4047
- 6) Trapani L., **Segatto M.**, Pallottini V. (2012) “Regulation and deregulation of cholesterol homeostasis: the live ras metabolic “power station” World Journal of Hepatology, 4(6): 184-190
- 7) Trapani L., **Segatto M.**, La Rosa P., Fanelli F., Marino M., Pallottini V. (2012) “3-Hydroxy 3-methylglutaryl Coenzyme A reductase inhibition impairs muscle regeneration” Journal of Cellular Biochemistry, 113(6): 2057-2063
- 8) **Segatto M.**, Trapani L., Lecis C., Pallottini V. (2012) “Regulation of cholesterol biosynthetic pathway in different regions of the rat central nervous system” Acta Physiologica, 206(1): 62-71
- 9) Trapani L, **Segatto M.**, Jozwiak A., Swiezewska E., Pallottini V. (2013) “HMG CoA reductase inhibition gets rat β Myosin Heavy Chain disappeared: a statin paradox” Open Journal of Molecular and Integrative Physiology, 3: 1-5
- 10) **Segatto M.**, Di Giovanni A., Marino M., Pallottini V.(2013) “Analysis of the protein network of cholesterol homeostasis in different brain regions: an age and sex dependent perspective” Journal of Cellular Physiology, 228(7): 1561-1567
- 11) DaRocha J.T., Trapani L., **Segatto M.**, La Rosa P., Nogueira C.W., Zeni G., Pallottini V. (2013) “Molecular effects of diphenyl diselenide on cholesterol and glucose cell metabolism” Current Medicinal Chemistry, 20(25): 4426-4434

- 12) Trapani L., **Segatto M.**, Pallottini V. (2013). "New compounds able to control hepatic cholesterol metabolism: Is it possible to avoid statin treatment in aged people?" *World J Hepatol.* 27;5(12): 676-684.
- 13) **Segatto M.**, Manduca A., Lecis C., Rosso P., Jozwiak A., Swiezewska E., Moreno S., Trezza V., Pallottini V. (2014) "Simvastatin treatment highlights a new role for the isoprenoid/cholesterol biosynthetic pathway in the modulation of emotional Reactivity and cognitive performance in rats" *Neuropsychopharmacology.* 39(4): 841-854
- 14) **Segatto M.**, Leboffe L., Trapani L., Pallottini V. (2014) "Cholesterol homeostasis failure in the brain: implications for synaptic dysfunction and cognitive decline" *Curr Med Chem.* 21(24): 2788-2802
- 15) Lecis C., **Segatto M.** (2014). "Cholesterol homeostasis imbalance and brain functioning: neurological disorders and behavioral consequences" *J Neurology and Neurological Disorders.* 1(1): 1-14.
- 16) **Segatto M.**, Trapani L, Di Tunno I, Sticozzi C, Valacchi G, et al. (2014) "Cholesterol Metabolism Is Altered in Rett Syndrome: A Study on Plasma and Primary Cultured Fibroblasts Derived from Patients" *PLoS ONE* 9(8): e104834.
- 17) Pesiri V, Totta P, **Segatto M.**, Bianchi F, Pallottini V, Marino M, Acconcia F (2015) Estrogen receptor α L429 and A430 regulate 17β -estradiol-induced cell proliferation via CREB1. *Cellular Signaling.* 27(12):2380-8.
- 18) Rosso P, Fioramonti M, Fracassi A, Marangoni M. Taglietti V, Siteni Silvia, **Segatto M** (2016) "AMPK in the central nervous system: physiological roles and pathological implications" *Research and Reports in Biology.* 7: 1-13
- 19) Cartocci V*, **Segatto M***, Di Tunno I, Leone S, Pfrieger FW, Pallottini V (2016) "Modulation of the isoprenoid/cholesterol biosynthetic pathway during neuronal differentiation in vitro" *Journal of Cellular Biochemistry.* 9999: 1-9
- 20) **Segatto M.**, Fittipaldi R, Pin F, Hossein Z, Sartori R, Ko K, Hossein Z, Fenizia C, Hatakeyama S, Zanchettin G, Pierobon E, Hatakeyama S, Sperti C, Merigliano S, Sandri M, Filippakopoulos P, Costelli P, Sartorelli V, and Caretti G (2017) "Epigenetic Targeting of Bromodomain Protein BRD4 Counteracts Cancer Cachexia and Prolongs Survival" *Nature Communications.* 22;8(1):1707.
- 21) Cartocci V, Catallo M, Tempestilli M, **Segatto M.**, Pfrieger FW, Bronzuoli MR, Scuderi C, Servadio M, Trezza V, Pallottini V. (2018) "Altered Brain Cholesterol/Isoprenoid Metabolism in a Rat Model of Autism Spectrum Disorders". *Neuroscience.* 21;372:27-37.
- 22) Gharbiya M, Bruscolini A, Sacchetti M, Rosso P, Carito V, **Segatto M.**, Fico E, Tirassa P, Lambiase A. (2018) "In vivo antivasular endothelial growth factor treatment induces corneal endothelium apoptosis in rabbits through changes in p75NTR-proNGF pathway". *J Cell Physiol,* 233(11):8874-8883.

- 23) **Segatto M**, Moramarco MA, Pittalis ML, Sagnelli P, Bruscolini A. (2018) “*An accidental diagnosis of optic nerve meningioma in a patient affected by Thyroid Eye Disease*”. *Current Neurobiology*. 9(3): 92-94.
- 24) Sacchetti M, **Segatto M**, Bruscolini A, Abicca I, Cavaliere C, Lambiase A. (2019) “*Changes of NGF pathway in allergic rhinoconjunctivitis: a conjunctival allergen challenge study*”. *Allergy*. 74(3):605-607.
- 25) Fracassi A, Marangoni M, Rosso P, Pallottini V, Fioramonti M, Siteni S, **Segatto M** (2019) “*Statins and the Brain: More than Lipid Lowering Agents?*” *Current Neuropharmacology*, 17(1):59-83.
- 26) **Segatto M**, Fico E, Gharbiya M, Rosso P, Carito V, Tirassa P, Plateroti R, Lambiase A (2019) “*VEGF inhibition alters neurotrophin signalling pathways and induces caspase-3 activation and autophagy in rabbit retina*”. *Journal of Cellular Physiology*, 234(10):18297-18307.
- 27) Schiavi S, Manduca A, **Segatto M**, Campolongo P, Pallottini V, Vanderschuren LJMJ, Trezza V (2019) “*Unidirectional opioid-cannabinoid cross-tolerance in the modulation of social play behaviors in rats*” *Psychopharmacology*, 236(9):2557-2568.
- 28) **Segatto M***, Tonini C*, Pfrieger F, Trezza V, Pallottini V (2019) “*Loss of Mevalonate/Cholesterol Homeostasis in the Brain: A Focus on Autism Spectrum Disorder and Rett Syndrome*” *International Journal of Molecular Sciences*, 20(13), 3317.
- 29) Bruscolini A, Lambiase A, **Segatto M**, La Cava M, Nebbioso M, Sacchetti M (2020) “*Evaluation of IL8 pathway on the ocular surface: new insights in patients with ocular mucous membrane pemphigoid*” *Acta Ophthalmologica*, 2020;98(2):e173-e177.
- 30) Tonini C, Colardo M, Colella B, Di Bartolomeo S, Berardinelli F, Caretti G, Pallottini V, **Segatto M** (2020) “*Inhibition of Bromodomain and Extraterminal Domain (BET) Proteins by JQ1 unravels a novel epigenetic modulation to control lipid homeostasis*” *International Journal of Molecular Sciences*, 14;21(4), E1297.
- 31) Tonini C, Schiavi S, Macca F, **Segatto M**, Trezza V, Pallottini V (2020) “*Long-lasting impact of perinatal dietary supplementation of omega 3 fatty acids on mevalonate pathway: potential role on neuron trophism in male offspring hippocampal formation*” *Nutritional Neuroscience*, Epub ahead of print.
- 32) Moramarco A, Sacchetti M, Franzone F, **Segatto M**, Cecchetti D, Miraglia E, Roberti V, Iacovino C, Giustini S (2020) “*Ocular surface involvement in patients with neurofibromatosis type 1 syndrome*” *Graefes Arch Clin Exp Ophthalmol*, 258(8):1757-1762.
- 33) Tonini C, **Segatto M**, Gagliardi S, Bertoli S, Leone A, Barberio L, Mandalà M, Pallottini V (2020) “*Maternal dietary exposure to low-dose bisphenol A affects metabolic and signaling pathways in the brain of rat fetuses*” *Nutrients*, 12, 1448.
- 34) Tonini C, **Segatto M**, Pallottini V (2020) “*Impact of Sex and Age on the Mevalonate Pathway in the Brain: A Focus on Effects Induced by Maternal Exposure to Exogenous Compounds*” *Metabolites*, 10, 304.

- 35) Colella B, Colardo M, Iannone G, Contadini C, Saiz-Ladera C, Fuoco C, Barilà D, Velasco G, **Segatto M**, Di Bartolomeo S (2020) “*mTOR Inhibition Leads to Src-Mediated EGFR Internalisation and Degradation in Glioma Cells*” *Cancers*, 12(8), 2266.
- 36) Pallottini V, Colardo M, Tonini C, Martella N, Strimpakos G, Colella B, Tirassa P, Di Bartolomeo S, **Segatto M** (2020) “*ProNGF/p75NTR Axis Drives Fiber Type Specification by Inducing the Fast-Glycolytic Phenotype in Mouse Skeletal Muscle Cells*” *Cells*, 9(10), 2232.
- 37) Bruscolini A, **Segatto M**, Marengo M, Lambiase A, Sacchetti M (2020) “*Alteration of CXCL8 pathway in the ocular surface of patients with Graves' orbitopathy*” *Autoimmunity Reviews*, 19(12):102682.
- 38) **Segatto M**, Pallottini V (2020) *Facts about Fats: New Insights into the Role of Lipids in Metabolism, Disease and Therapy*. *International Journal of Molecular Sciences*, 11;21(18):6651.
- 39) **Segatto M**, Szokoll R, Fittipaldi R, Bottino C, Nevi L, Mamchaoui K, Filippakopoulos P, Caretti G (2020) “*BETs inhibition attenuates oxidative stress and preserves muscle integrity in Duchenne muscular dystrophy*” *Nature Communications*, 30;11(1):6108.

* Gli autori hanno contribuito egualmente al lavoro