

Fondazione Istituto Europeo per la Ricerca sulla Fibrosi Cistica – IERFC Onlus

Principali pubblicazioni scientifiche

1. De Stefano D, et al Restoration of CFTR function in patients with cystic fibrosis carrying the F508del-CFTR mutation. *Autophagy*. 2014 Oct 1. [Epub ahead of print].
2. Maiuri MC, et al Physiology to the pleiotropic role of RNAs: prospecting novel therapies. *Biomed Res Int*. 2014;2014:735374. doi: 10.1155/2014/735374.
3. Cordaro M, et al Neuroprotective effects of Co-ultraPEALut on secondary inflammatory process and autophagy involved in traumatic brain injury. *J Neurotrauma*. 2014 Jul 21. [Epub ahead of print]
4. Mayol L, et al Design and characterization of a chitosan physical gel promoting wound healing in mice. *J Mater Sci Mater Med*. 2014 Jun;25(6):1483-93. doi: 10.1007/s10856-014-5175-7.
5. De Filippis D, et al Palmitoylethanolamide inhibits rMCP-5 expression by regulating MITF activation in rat chronic granulomatous inflammation. *Eur J Pharmacol*. 2014 Feb 15;725:64-9. doi: 10.1016/j.ejphar.2013.12.021
6. De Stefano D, et al A decoy oligonucleotide to NF- κ B delivered through inhalable particles prevents LPS-induced rat airway inflammation. *Am J Respir Cell Mol Biol*. 2013 Aug;49(2):288-95. doi: 10.1165/rcmb.2012-0473OC.
7. Vilella VR, et al How cystamine restores the stability of mutant CFTR. *Autophagy*. 2013 Sep;9(9):1431-4. doi: 10.4161/auto.25517. Vilella VR, et al Disease-relevant proteostasis regulation of cystic fibrosis transmembrane conductance regulator. *Cell Death Differ*. 2013 Aug;20(8):1101-15. doi: 10.1038/cdd.2013.46.
8. Zhang PX, et al Reduced caveolin-1 promotes hyperinflammation due to abnormal heme oxygenase-1 localization in lipopolysaccharide-challenged macrophages with dysfunctional cystic fibrosis transmembrane conductance regulator. *J Immunol*. 2013 May 15;190(10):5196-206. doi: 10.4049/jimmunol.1201607.
9. Vilella VR, et al Targeting the Intracellular Environment in Cystic Fibrosis: Restoring Autophagy as a Novel Strategy to Circumvent the CFTR Defect. *Front Pharmacol*. 2013 Jan 21;4:1. doi: 10.3389/fphar.2013.00001. eCollection 2013.
10. Gavina M et al Nebulized hyaluronan ameliorates lung inflammation in cystic fibrosis mice. *Pediatr Pulmonol*. 2013 Aug;48(8):761-71. doi: 10.1002/ppul.22637.
11. De Stefano D, et al Nanomaterials toxicity and cell death modalities. *J Drug Deliv*. 2012; 2012:167896. doi: 10.1155/2012/167896
12. Ungaro F, et al PEI-engineered respirable particles delivering a decoy oligonucleotide to NF- κ B: inhibiting MUC2 expression in LPS-stimulated airway epithelial cells. *PLoS One*. 2012;7(10):e46457. doi: 10.1371/journal.pone.0046457.
13. Klionsky DJ et al., Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*. 2012 Apr;8(4):445-544.
14. Luciani A, et al Targeting autophagy as a novel strategy for facilitating the therapeutic action of potentiators on Δ F508 cystic fibrosis transmembrane conductance regulator. *Autophagy*. 2012 Nov;8(11):1657-72. doi: 10.4161/auto.21483.
15. Silano M et al Early tissue transglutaminase-mediated response underlies K562(S)-cell gliadin-dependent agglutination. *Pediatr Res*. 2012 May;71(5):532-8. doi: 10.1038/pr.2012.4.
16. Luciani A et al Cystic fibrosis: a disorder with defective autophagy. *Autophagy*. 2011 Jan;7(1):104-6.
17. De Stefano D. Oligonucleotides decoy to NF- κ B: becoming a reality? *Discov Med*. 2011 Aug;12(63):97-105. Review.
18. De Stefano D, et al Sustained inhibition of IL-6 and IL-8 expression by decoy ODN to NF- κ B delivered through respirable large porous particles in LPS-stimulated cystic fibrosis bronchial cells. *J Gene Med*. 2011 Apr;13(4):200-8. doi: 10.1002/jgm.1546.

19. Luciani A et al Defective CFTR induces aggresome formation and lung inflammation in cystic fibrosis through ROS-mediated autophagy inhibition. *Nat Cell Biol.* 2010 Sep;12(9):863-75. doi: 10.1038/ncb2090.
20. De Stefano D, et al NFkappaB decoy oligonucleotides. *Curr Opin Mol Ther.* 2010 Apr;12(2):203-13.
21. D'Apollito M et al Urea-induced ROS generation causes insulin resistance in mice with chronic renal failure. *J Clin Invest.* 2010 Jan;120(1):203-13. doi: 10.1172/JCI37672. Epub 2009 Dec 1. Erratum in: *J Clin Invest.* 2010 Mar 1;120(3):932.
22. Ieranò T et al The lipid A of *Burkholderia multivorans* C1576 smooth-type lipopolysaccharide and its pro-inflammatory activity in a cystic fibrosis airways model. *Innate Immun.* 2010 Dec;16(6):354-65. doi: 10.1177/1753425909347400.
23. Criollo A, et al IKK connects autophagy to major stress pathways. *Autophagy.* 2010 Jan;6(1):189-91.
24. Criollo A, et al The IKK complex contributes to the induction of autophagy. *EMBO J.* 2010 Feb 3;29(3):619-31. doi: 10.1038/emboj.2009.364.
25. Luciani A et al Lysosomal accumulation of gliadin p31-43 peptide induces oxidative stress and tissue transglutaminase-mediated PPARgamma downregulation in intestinal epithelial cells and coeliac mucosa. *Gut.* 2010 Mar;59(3):311-9. doi: 10.1136/gut.2009.183608. Epub 2009 Dec 1. Erratum in: *Gut.* 2010 Jul;59(7):1007.
26. Luciani A et al SUMOylation of tissue transglutaminase as link between oxidative stress and inflammation. *J Immunol.* 2009 Aug 15;183(4):2775-84. doi: 10.4049/jimmunol.0900993.
27. Lionetti E et al Headache in pediatric patients with celiac disease and its prevalence as a diagnostic clue. *J Pediatr Gastroenterol Nutr.* 2009 Aug;49(2):202-7.
28. De Stefano D, et al Oligonucleotide decoy to NF-kappaB slowly released from PLGA microspheres reduces chronic inflammation in rat. *Pharmacol Res.* 2009 Jul;60(1):33-40. doi: 10.1016/j.phrs.2009.03.012.
29. Pettoello-Mantovani M et al Family-oriented and family-centered care in pediatrics. *Ital J Pediatr.* 2009 May 12;35(1):12.
30. Ciacci C et al Efficacy of budesonide therapy in the early phase of treatment of adult coeliac disease patients with malabsorption: an in vivo/in vitro pilot study. *Clin Exp Pharmacol Physiol.* 2009 Dec;36(12):1170-6.
31. Maiuri L et al Tissue transglutaminase activation modulates inflammation in cystic fibrosis via PPARgamma down-regulation. *J Immunol.* 2008 Jun 1;180(11):7697-705.