

2015 Publications

YEAR	TITLE	REFERENCE	PMID
2015	The Cooperation Between the Autophagy Machinery and the Inflammasome to Implement an Appropriate Innate Immune Response: Do They Regulate Each Other?	Abdelaziz DH, Khalil H, Cormet-Boyaka E , Amer AO . Immunol Rev. 2015 May;265(1):194-204. Doi:10.1111/imr.12288.	25879294
2015	Cigarette smoke exposure reveals a novel role for the MEK/ERK1/2 MAPK pathway in regulation of CFTR.	Xu X, Balsiger R, Tyrrell J, Boyaka PN , Tarran R, Cormet-Boyaka E . Biochim Biophys Acta. 2015 Jun;1850(6):1224-32. doi: 10.1016/j.bbagen.2015.02.004. Epub 2015 Feb 16.	25697727
2015	TGF- β -induced IL-6 prevents development of acute lung injury in influenza A virus-infected F508del CFTR-heterozygous mice.	Woods PS, Tazi M, Chesarino N, Amer A , Davis I . Am J Physiol Lung Cell Mol Physiol. 2015 Jun 1;308(11):L1136-44.	25840995
2015	Intracellular residency of Staphylococcus aureus within mast cells in nasal polyps: A novel observation.	Hayes SM, Howlin R, Johnston DA, Webb JS, Clarke eSC, Stoodley P , Harries PG, Wilson SJ, Pender SL, Faust SN, Hall-Stoodley L , Salib RJ. J Allergy Clin Immunol. 2015 Jun;135(6):1648-51. doi: 10.1016/j.jaci.2014.12.1929.	25680455
2015	Cigarette Smoking Effect on Survival After Lung Transplant in Cystic Fibrosis.	Kopp BT , Groner J, Tobias JD, Whitson BA , Kirkby S , Hayes D Jr . Exp Clin Transplant. 2015 Dec;13(6):529-34.	26643672
2015	Geographic variations in cystic fibrosis: An analysis of the U.S. CF Foundation Registry.	Kopp BT , Nicholson L, Paul G, Tobias J, Ramanathan C, Hayes D Jr . Pediatr Pulmonol. 2015 Aug;50(8):754-62. doi: 10.1002/ppul.23185. Epub 2015 Mar 30.	25825016
2015	Detrimental effects of secondhand smoke exposure on infants with cystic fibrosis.	Kopp BT , Sarzynski L, Khalfoun S, Hayes D Jr , Thompson R, Nicholson L, Long F, Castile R, Groner J. Pediatr Pulmonol. 2015 Jan;50(1):25-34. doi:10.1002/ppul.23016. Epub 2014 Mar 9.	24610820
2015	A new, easy to use computed tomography based scoring system for sinus disease in cystic fibrosis: validated with acceptable inter- and intra-rater reliability.	Sheikh SI, Ryan-Wenger N, Kirkby S , Ramanathan C, McCoy K . European Resp J. Sep 2015.	-
2015	Eucapnic Voluntary Hyperventilation to Detect Exercise-Induced Bronchoconstriction in Cystic Fibrosis.	Kirkby SE , Hayes D Jr , Parsons JP, Wisely CE, Kopp B , McCoy KS , Mastronarde JG. Lung. 2015 Oct;193(5):733-8. doi: 10.1007/s00408-015-9745-3. Epub 2015 Jun 3.	26036953
2015	Influence of diabetes on survival in patients with cystic fibrosis before and after lung transplantation.	Hayes D Jr , Patel AV, Black SM, McCoy KS , Kirkby S , Tobias JD, Mansour HM, Whitson BA. J Thorac Cardiovasc Surg. 2015 Sep;150(3):707-13.e2. doi: 10.1016/j.jtcvs.2015.06.041. Epub 2015 Jun 26.	26208890

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2015	Lumacaftor-Ivacaftor in Patients with Cystic Fibrosis Homozygous for Phe508del CFTR.	Wainwright CE, Elborn JS, Ramsey BW, Marigowda G, Huang X, Cipolli M, Colombo C, Davies JC, De Boeck K, Flume PA, Konstan MW, McColley SA, McCoy K , McKone EF, Munck A, Ratjen F, Rowe SM, Waltz D, Boyle MP; TRAFFIC Study Group; TRANSPORT Study Group. N Engl J Med. 2015 Jul 16;373(3):220-31. doi: 10.1056/NEJMoa1409547. Epub 2015 May 17.	25981758
2015	Changes in Pulmonary Function and Controlled Ventilation-High Resolution CT of Chest After Antibiotic Therapy in Infants and Young Children with Cystic Fibrosis.	Sheikh SI, Long FR, Flucke R, Ryan-Wenger NA, Hayes D Jr, McCoy KS . Lung. 2015 Jun;193(3):421-8. doi: 10.1007/s00408-015-9706-x. Epub 2015 Mar 12.	25762451
2015	Behavioral and nutritional treatment for preschool-aged children with cystic fibrosis: a randomized clinical trial.	Powers SW, Stark LJ, Chamberlin LA, Filigno SS, Sullivan SM, Lemanek KL, Butcher JL, Driscoll KA, Daines CL, Brody AS, Schindler T, Konstan MW, McCoy KS , Nasr SZ, Castile RG, Acton JD, Wooldridge JL, Ksenich RA, Szczesniak RD, Rausch JR, Stallings VA, Zemel BS, Clancy JP. JAMA Pediatr. 2015 May;169(5):e150636. doi: 10.1001/jamapediatrics.2015.0636.	25938655
2015	Improvement of hepatic steatosis in cystic fibrosis with ivacaftor therapy.	Hayes D Jr , Warren PS, McCoy KS , Sheikh SI. J Pediatr Gastroenterol Nutr. 2015 May;60(5):578-9. doi: 10.1097/MPG.0000000000000765.	25688481
2015	Ivacaftor improves appearance of sinus disease on computerised tomography in cystic fibrosis patients with G551D mutation.	Sheikh SI, Long FR, McCoy KS , Johnson T, Ryan-Wenger NA, Hayes D Jr . Clin Otolaryngol. 2015 Feb;40(1):16-21. doi: 10.1111/coa.12310.	25145599
2015	Behavioral and Nutritional Treatment for Preschool-Aged Children with Cystic Fibrosis: A Randomized Clinical Trial.	Powers SW, Stark LJ, Chamberlin LA, Filigno SS, Sullivan SM, Lemanek KL, Butcher JL, Driscoll KA, Daines CL, Brody AS, Schindler T, Konstan MW, McCoy KS , Nasr SZ, Castile RG, Acton JD, Wooldridge JL, Ksenich RA, Szczesniak RD, Rausch JR, Stallings VA, Zemel BS, Clancy JP. JAMA Pediatr. 2015 May;169(5):e150636. doi: 10.1001/jamapediatrics.2015.0636. Epub 2015 May 4.	25938655
2015	Preventing Cleavage of Respiratory Syncytial Virus Attachment Protein in Vero Cells Rescues the Infectivity of Progeny Virus for Primary Human Airway Cultures.	Corry J, Johnson SM, Peeples ME . J Virol 90(3):1311-20. 2015 Nov 18. pii: JVI.02351-15.	26581976

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2015	Intracellular delivery of peptidyl ligands by reversible cyclization: discovery of a PDZ domain inhibitor that rescues CFTR activity.	Qian Z, Xu X, Amacher JF, Madden DR, Cormet-Boyaka E , Pei D . <i>Angew Chem Int Ed Engl</i> . 2015 May 11;54(20):5874-8. doi: 10.1002/anie.201411594. Epub 2015 Mar 17.	25785567
2015	CRISPR-Cas9-mediated gene knockout in primary human airway epithelial cells reveals a proinflammatory role for MUC18.	Chu HW, Rios C, Huang C, Wesolowska-Andersen A, Burchard EG, O'Connor BP, Fingerlin TE, Nichols D, Reynolds SD , Seibold MA. <i>Gene Ther</i> . 2015 Oct;22(10):822-9. doi: 10.1038/gt.2015.53. Epub 2015 Jul 2.	26043872
2015	Decellularized tracheal extracellular matrix supports epithelial migration, differentiation, and function.	Kutten JC, McGovern D, Hobson CM, Luffy SA, Nieponice A, Tobita K, Francis RJ, Reynolds SD , Isenberg JS, Gilbert TW. <i>Tissue Eng Part A</i> . 2015 Jan;21(1-2):75-84. doi: 10.1089/ten.TEA.2014.0089. Epub 2014 Sep 12.	24980864
2015	A novel technique using potassium permanganate and reflectance confocal microscopy to image biofilm extracellular polymeric matrix reveals non eDNA networks in <i>Pseudomonas aeruginosa</i> biofilms.	Wearingen M, Mehta A, Nistico L, Hill PJ, Falzarano A, Wozniak DJ , Hall-Stoodley L , Stoodley P . <i>Pathogens and Disease</i> . 2016 Feb;74(1):ftv104. doi: 10.1093/femspd/ftv104. Epub 2015 Nov 3.	26536894
2015	Characterization of the <i>Pseudomonas aeruginosa</i> glycoside hydrolase PslG reveals that its levels are critical for Psl polysaccharide biosynthesis and biofilm formation.	Baker P, Whitfield GB, Hill PJ, Little DJ, Pestrak MJ, Wozniak DJ , Howell PL. <i>J Biol Chem</i> . 2015 Nov 20;290(47):28374-87. doi: 10.1074/jbc.M115.674929. Epub 2015 Sep 30.	26424791
2015	Prevention and treatment of <i>S. aureus</i> biofilms.	Bhattacharya M, Wozniak DJ , Stoodley P , Hall-Stoodley L . <i>Expert Rev Anti Infect Ther</i> . 2015;13(12):1499-516. doi: 10.1586/14787210.2015.1100533. Epub 2015 Nov 13.	26646248
2015	Development of a novel method of analyses of <i>Pseudomonas aeruginosa</i> twitching motility and its application to define the AmrZ regulon.	Xu B, Wozniak DJ . <i>PLoS One</i> . 2015 Aug 26;10(8):e0136426. doi: 10.1371/journal.pone.0136426. eCollection 2015.	26309248
2015	Pel is a cationic exopolysaccharide that cross-links extracellular DNA in the <i>Pseudomonas aeruginosa</i> biofilm matrix.	Jennings LK, Storek KM, Ledvina HE, Coulon C, Marmont LS, Sadovskaya I, Secor PR, Tseng BS, Scian M, Filloux A, Wozniak DJ , Howell PL, Parsek MR. <i>Proc Natl Acad Sci U S A</i> . 2015 Sep 8;112(36):11353-8. doi: 10.1073/pnas.1503058112. Epub 2015 Aug 26.	26311845
2015	Bacterial extracellular polysaccharides in biofilm formation and function.	Limoli DH, Jones CJ , Wozniak DJ . <i>Microbiol Spectr</i> . 2015 Jun;3(3). doi: 10.1128/microbiolspec.MB-0011-2014.	26185074

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2015	Identification of OprF as a complement component C3 binding acceptor molecule on the surface of <i>Pseudomonas aeruginosa</i> .	Mishra M, Ressler A, Schlesinger LS , Wozniak DJ . <i>Infect Immun</i> . 2015 Aug;83(8):3006-14. doi: 10.1128/IAI.00081-15. Epub 2015 May 11.	25964476
2015	Complete genome sequence of <i>Pseudomonas aeruginosa</i> mucoid strain FRD1 isolated from a cystic fibrosis patient.	Silo-Suh LA, Suh SJ, Ohman DE, Wozniak DJ , Pridgeon JW. <i>Genome Announc</i> . 2015 Mar 19;3(2). pii: e00153-15. doi: 10.1128/genomeA.00153-15.	25792066