

Chance Reference List

1. [Deborah L. Chance and Thomas P. Mawhinney](#), 2021. Observations of, and Insights into, Cystic Fibrosis Mucus Heterogeneity in the Pre-Modulator Era: Sputum Characteristics, DNA and Glycoprotein Content, and Solubilization Time, *J. Respir.* 2021, 1(1), 8-29; <https://doi.org/10.3390/jor1010002>
2. [Mawhinney TP, Li Y, Chance DL, Kelley SP, Mossine VV](#). Crystal structure of (*R,S*)-2-hydroxy-4-(methyl-sulfonyl)butanoic acid. *Acta Crystallogr E Crystallogr Commun.* 2020 Mar 17;76(Pt 4):562-566. doi: 10.1107/S2056989020003138. PMID: 32280504; PMCID: PMC7133032.
3. [Mossine, VV, Chance, DL, Waters, JK and TP Mawhinney](#). 2018. Interaction of Bacterial Phenazines with Colistimethate in Bronchial Epithelial Cells. Accepted manuscript posted online 21 May 2018, doi: 10.1128/AAC.02349-17.
4. [Chance DL, Mawhinney TP](#). 2017. Using Negative Staining TEM to Study Structure/Function Relationships of Cystic Fibrosis Host-Adapted Opportunistic Pathogen *Pseudomonas aeruginosa*. *Microsc Microanal.* 2017/08/04:1354-1355.
5. [Mossine VV, Waters JK, Chance DL, Mawhinney TP](#). 2016. Transient Proteotoxicity of Bacterial Virulence Factor Pyocyanin in Renal Tubular Epithelial Cells Induces ER-Related Vacuolation and Can Be Efficiently Modulated by Iron Chelators. *Toxicol Sci.* 154:403-415.
6. [Wang W, Lester JM, Amorosa AE, Chance DL, Mossine VV, Mawhinney TP](#). 2015. Facile and Efficient Preparation of Tri-component Fluorescent Glycopolymers via RAFT-controlled Polymerization. *J Vis Exp.* e52922-
7. Chance DL, Mossine VV, Waters JK, Mawhinney TP. 2014. *In Vitro* Investigations of Potential Synergistic Effects of Antimicrobial Essential Oils and Constituents with Antibiotics for Treating CF Airway Infections. *Pediatric Pulmonology.* 49:339-339.
8. [Wang W, Chance DL, Mossine VV, Mawhinney TP](#). 2014. RAFT-based tri-component fluorescent glycopolymers: synthesis, characterization and application in lectin-mediated bacterial binding study. *Glycoconj J.* 31:133-143.
9. [Farid R, Murdock FA, Jr., Bonnett A, Mawhinney TP, Chance D, Waters JK, Hewett JE](#). 2012. Quality of intrathecal baclofen from different sources. *PM&R.* 4:182-189.
10. Chance DL, Mohr K, Mawhinney TP. 2011. Essential Oils and Their Constituents As Potential Broad Spectrum Adjuvants to Antimicrobial Treatment of Cystic Fibrosis Pathogens. *Pediatric Pulmonology.* 329-329.
11. Chance DL, Reed MB, Mohr K, Mawhinney TP. 2010. Screening of Essential Oils for Potential Antimicrobial Activity Against Cystic Fibrosis Pathogens. *Pediatric Pulmonology.* 356-357.
12. Wixom RL, Gehrke CW. 2010. Wixom RL, Gehrke CW, Chance DL, Mawhinney TP, eds. *Chromatography - A Science of Discovery*. Hoboken, N.J: Wiley.
13. [Mossine VV, Barnes CL, Chance DL, Mawhinney TP](#). 2009. Stabilization of the acyclic tautomer in reducing carbohydrates. *Angew Chem Int Ed Engl.* 48:5517-5520.
14. [Reilly TJ, Chance DL, Calcutt MJ, Tanner JJ, Felts RL, Waller SC, Henzl MT, Mawhinney TP, Ganjam IK, Fales WH](#). 2009. Characterization of a unique class C acid phosphatase from *Clostridium perfringens*. *Appl Environ Microbiol.* 75:3745-3754.
15. Chance DL, Mawhinney TP. 2006. Employing Wet SEM Imaging to Study Co-Colonizing Mucosal Pathogens. *Microsc Microanal.* 2006/07/31:308-309.
16. Chance DL, Jensen CA, Reilly TJ, Mawhinney TP. 2005. TEM Analysis of Bacterial Colony Biology Using Microwave-Assisted Processing and LR White Resin. *Microsc Microanal.* 2005/08/01:968-969.

17. Mawhinney TP, Chance DL. 2005. Structural analysis of sulfated oligosaccharides possessing (α 1-2)-fucosyl residues derived from cystic fibrosis tracheobronchial mucous glycoproteins. In: *Recent developments in carbohydrate research*. Kerala, India: Research Signpost, Transworld Research Network. p. 67-92.
18. Chance DL, Mawhinney TP. 2004. SEM Examination of Host-Pathogen Interactions in the Respiratory Mucosa with Drying by HMDS and by Critical Point Method. *Microsc Microanal*. 2004/08/01:238-239.
19. Mawhinney TP, Chance DL, Waters JK, Mossine VV, He S, Cassity NA. 2003. Characterization of blood group antigen-containing oligosaccharides isolated from human respiratory mucous glycoproteins. In: *Recent developments in carbohydrate research*. Kerala, India: Research Signpost, Transworld Research Network. p. 1-25.
20. [Swords WE](#), [Chance DL](#), [Cohn LA](#), [Shao J](#), [Apicella MA](#), [Smith AL](#). 2002. Acylation of the lipooligosaccharide of *Haemophilus influenzae* and colonization: an *htrB* mutation diminishes the colonization of human airway epithelial cells. *Infect Immun*. 70:4661-4668.
21. [Chance DL](#), [Mawhinney TP](#). 2000. Carbohydrate sulfation effects on growth of *Pseudomonas aeruginosa*. *Microbiology*. 146 (Pt 7):1717-1725.
22. [Chance DL](#), [Reilly TJ](#), [Smith AL](#). 1999. Acid phosphatase activity as a measure of *Haemophilus influenzae* adherence to mucin. *J Microbiol Methods*. 39:49-58.
23. [Reilly TJ](#), [Chance DL](#), [Smith AL](#). 1999. Outer membrane lipoprotein e (P4) of *Haemophilus influenzae* is a novel phosphomonoesterase. *J Bacteriol*. 181:6797-6805.
24. [Chance DL](#), [Gerhardt KO](#), [Mawhinney TP](#). 1998. Gas-liquid chromatography-mass spectrometry of hydroxy fatty acids as their methyl esters *tert*.-butyldimethylsilyl ethers. *J Chromatogr A*. 793:91-98.
25. Chance DL. 1997. *Sulfated sugars in cystic fibrosis mucins and the effects of sugar sulfation on the growth of Pseudomonas aeruginosa*. Thesis, University of Missouri, Columbia, MO.
26. Chance DL, Mawhinney TP. 1996. Disulfated oligosaccharides derived from tracheobronchial mucous glycoproteins of a patient suffering from cystic fibrosis. *Carbohydr Res*. 295:157-177.
27. [Mawhinney TP](#), [Chance DL](#). 1994. Hydrolysis of sialic acids and O-acetylated sialic acids with propionic acid. *Anal Biochem*. 223:164-167.
28. Landrum DC. 1988. *Extraction and isolation of neutral glycosphingolipids from human red blood cell membranes*. Thesis, University of Missouri, Columbia, MO.