CF Center NACFC Presentations (2017-2021) Supported by the P30

Presentation / Award	Category
Indianapolis, IN: November 2-4, 2017	
Oliver, K.; Rauscher, R.; Mijnders, M.; Wang, W.; Maya, J.; Kirk, K.; Kesterson, R.; Hong, J.; Braakman, I.; Hartman, J.; Ignatova, Z.; Sorscher, E. "Slowing translation stabliized cftr transmembrane domains, increases open channel probability, and enhances folding in vivo". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 17), 2017	Poster
Wang, Wei; Liu, Zhiyong; Hong, Jeong; Kirk, Kevin L. "G551D-CFTR has greatly reduced pka sensitivity that can be restored by novel gain-of-function (gof) mutations". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 20), 2017	Poster
Kaza, Niroop; Tang, Liping; Rasmussen, Lawrence; Mutyam, Venketeshwar; Raju, S. Vamsee; Monjardet, A; Borgonovi, M; Corveleyn, S; Conrath, Katja; Rowe, Steven. "Evaluation of novel CFTR potentiators in a ferret model of COPD." Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 32), 2017	Poster
Liu, Liping; Fan, Yifei; Yang, Zhengrong; Rezaei, Mohammad; Yang, Xiaozhi; Banbury, Josh; Lappe, Ally; Bakey, Michelle; Fields, Jessica; Gipson, Hali; Song, Jiaheng; Li, Hanhan; Thompson, Jake; Kirby, Emily; Plourde, Collin; Gunter, Sarah Grace; Miller, Anna; Brouillette, Christie; Li, Chenglong; and Wang, X. Robert. "Biochemical, functional and biophysical characterization of NBD1-targeting CFTR modulators". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 53), 2017	Poster
Wang, Chi; Vorobiev, Sergey; Vernon, Robert; Yang, Zhengrong; Khazanov, Netaly; Zhou, Qingxian; Senderowitz, Hanoch; Brouillette, Christie; Forman-Kay, Julie; Hunt, John F. "Engineering the second nucleotide-binding domain from human cftr with a catalytically active conformation". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 59), 2017	Poster
Yang, Zhengrong; Zhou, Quingxian; An, Jianli; Rab, Andras; Hong, Jeong; Khazanov, Netaly; Senderowitz, Hanoch; Sorscher, Eric; Brouillette, Christie. "CFTR2 mutations in NBD1: correlation between in vitro thermal instability and severity of folding effect". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 60), 2017	Poster
Ambrosetti, Adam; Thompson, Jake; Collins, Meredith; Banbury, Josh; Lappe, Ally; Wang, X. Robert. "Multilayer effects of VX-809 on the processing, cell surface functional expression, and channel gating of F508del CFTR as revealed by an optimized electrode-based real-time iodide efflux assay". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 61), 2017	Poster
Leung, Hui Min; Birket, Susan; Cui, D; Ford T; Hyun, C; Solomon, George; Cho, Do; Woodworth, Bradford; Rowe, Steven. "First in Human Functional Anatomic Imaging of Nasal Airways Using µOCT". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 73), 2017	Poster
Lenzie, Andrew; Fernandez, Courtney; Fortinberry, Henry; Birket, Susan; Falk Libby, Emily; Heifetz, Peter; Tearney, Gary; Rowe, Steven. "Densitometry analysis by uOCT quantifies improved dispersion and viscosity of treated sputum samples". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 77), 2017	Poster
Krick, Stephanie; Sailland-Tschudi, Juliette; Grosche, Astrid; Baumlin, Nathalie; Salathe, Matthias. "Effect of fibroblast growth factor signaling on mucociliary function in cystic fibrosis". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 90), 2017	Poster
Locy, Morgan; Fernandez, Courtney; Johnson, Mark; Lenzie, Andrew; Rowe, Steven; Thannikal, Victor. "Protein oxidative tyrosine cross-linking disrupts cystic fibrosis mucus viscoelastic dynamics". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 113), 2017	Poster
Icyuz, Mert; Kelly, Shane; Oliver, Kathryn; Mutyam, Venkateshwar; Rowe, Steven; Sorscher, Eric; Bedwell, David; Hartman, John. "Yeast phenomic models of cf-relevant nonsense mutations reveal gene modifeier networks promoting premature termination codon suppression". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 156), 2017	Poster

Presentation / Award	Category
Birket, Susan; Davis, Joy; Oden, Ashley; Hong, Jeong; Tearney, Gary; Sorscher, Eric; Rowe, Steven. A humanized G551D rat model to evaluate CF airway disease". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 165), 2017	Poster
Mackay, Stephen; Liu, Zhongyu; Fortinberry, Henry; Solomon, George; Gordon, Dylan; Garson, Charles; Haithcock, Dustin; Ramsey, Deborah; Tearney, Gary; Pant, Kapil; Pandian, Prabhakar; Rowe, Steven; Guimbellot, Jennifer. "Microfluidics model of the airway to measure CFTR activity and the mucociliary transport apparatus". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 169), 2017	Poster
Guimbellot, Jennifer; Aban, Inmaculada; Leach, Justin; Chaudry, Imron; Quinney, Nancy; Boyles, Susan; Chua, Michael; Jaspers, Ilona; Gentzsch, Martina. "Novel measures of CFTR-dependent fluid transport in nasospheroids, a three-dimensional primary ex vivo nasal epithelial model". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 170), 2017	Poster
Plyer, Zachary; Schoeb, Trenton; Hong, Jeong; Rowe, Steven; Schultz, B; Birket, Susan; Sorscher, Eric. "Non-obstructive loss of male reproductive tract in cystic fibrosis rats". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 182), 2017	Poster
Guimbellot, Jennifer; Mackay, Stephen; Liu, Zhongyu; Joseph, Dnika; Bebok, Zsuzsanna; Rowe, Steven. "Sweat gland cultures for the study of cystic fibrosis". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 193), 2017	Poster
Fernandez, Courtney; Hughes, Gareth; Lenzie, Andrew; Shei, Ren-Jay; Johns, James; Bowers, Hannah; Watson, John; Birket, Susan; Falk Libby, Emily; Hathorne, Heather; Tearney, Gary; Thornton, David; Weissman, William; Baker, Shenda; Rowe, Steven. "PAAG alters the viscoelasticity and transport of CF mucus." Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 207), 2017	Poster and Poster Discussion Talk
Solomon, George; Liu, Zhiyong; Khan, Umer; Heltshe, SL; Guimbellot, Jennifer; Tearney, Gary; Sagel, Scott; Clancy, John; Rowe, Steven. "In vitro response to ivacaftor in G551D and R117H human nasal epithelial cells correlate to clinical improvement with ivacaftor treatment". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 232), 2017	Poster
Sharma, Jyoti; Mutyam, Venkateshwar; Peng, Ning; Suto, Mark; Bostwik, Robert; Rasmussen, Lynn; Du, Ming; Keeling, Kim; Bedwell, David; Rowe, Steven. "Synergistic approach to potentiate the readtrhough efficiency for cystic fibrosis nonsense mutations". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 239), 2017	Poster
Oren, Y; Irony Tur-Sinai, M; Ozeri-Galai, E; Avizur, O; Mutyam, Venketeshwar; Wilton, S; Rowe, Steven; Kerem, Batsheva. "Restoration of CFTR function by antisense oligonucleotide splicing modulation". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 261), 2017	Poster
Mutyam, Venkateshwar; Du, Ming; Peng, Ning; Sharma, Jyoti; Bostwick, Robert; Smalley, Terrence; Augelli-Szafran, Corinne; Rasmussen, Lynn; Keeling, Kim; Suto, Mark; Bedwell, David; Rowe, Steven. "Identification of agents that suppress premature termination codons (PTCs) and nonsense mediated decay NMD)". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 276), 2017	Poster and Poster Discussion Talk
Falk Libby, Emily; Fortinberry, Henry; Adewale, Timothy; Fu, Lianwu; Astrand, Annika; Patel, Naimish; Malmgren, Anna; Tearney, Gary; Rowe, Steven. "ENaC inhibitor AZD5634 increases mucociliary transport alone and in combination with lumacaftor/ivacaftor in primary CF HBE cells. Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 280), 2017	Poster
Kabir, Farruk; Ambalavanan, Namasivayam; Halloran, Brian; Mazur, Marina; Rowe, Steven; Harris, William. "MIR-145 antagonism augments f508del correction in CF airway epithelia". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 282), 2017	Poster
Kabir, Farruk; Ambalavanan, Namasivayam; Harris, William. "MicroRNA as novel modifiers of TGF-β signaling in CF lungs". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 283), 2017	Poster
Benson, Dominique; Thrasher, Kari; Xue, Xiaojiao; Mutyam, Venkateshwar; Thakerar, Amita; Mobley, James; Bridges, Robert J; Rowe Steven; Keeling, Kim; Bedwell, David. "Insights into the	Poster

Presentation / Award	Category
mechanism of amino acid selection during suppression of CFTR nonsense mutations". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 286), 2017	
Du, Ming; Thrasher, Kari; Shakhmatov, Mikhail; Chen, Lan; Keeling, Kim; Rasmussen, Lynn; Bostwick, Robert; Smalley, Terrence; Augelli-Szafran, Corinne; Suto, Mark; Mutyam, Venkateshwar; Rowe, Steven; Bedwell, David. "Identification of new readthrough (RT) compounds and nonsense-mediated mRNA decay (NMD) inhibitors with high throughput screening (HTS) using nanoluc luciferase reporters". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 307), 2017	Poster
Kabir, Farruk; Szul, Tomasz; Ambalavanan, Namasivayam; Gaggar, Amit; Harris, William. "Increased MIR-145 in CF exosomes". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 318), 2017	Poster
Garcia, Bryan; Birket, Susan; Oliver, Melissa; Rowe, Steven; Swords, William. "Anti-pseudomonas aeruginosa biofilm activity of the novel glycopolymer paag on infected cystic fibrosis respiratory epithelium". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 373), 2017	Poster
Steele, Chad; Mackel, Joseph; Blackburn, Johnathan. "The CXCL10/CXCR3 axis in acute vs. chronic exposure to aspergillus fumigatus". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 415), 2017	Poster
Cho, Do-Yeon; Lim, Dong Jin; Mackey, Camin; Skinner, Daniel; Zhang, Shaoyan; Rowe, Steven; Woodworth, Bradford. "Ciprofloxacin antimicrobial activity against pseudomonas aeruginosa is enhanced by the cystic fibrosis transmembrance conductance regulator (CFTR potentiator, ivacaftor". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 425), 2017	Poster
Hill, Kelsey; Prushinskaya, Olga; Sawicki, Gregory; Jones, Keley; Abebe, Keleab; Ladores, Sigrid; Rubenstein, Ronald; Sagel, Scott; Pilewski, Joseph; Weiner, Daniel; Orenstein, D; Miller, Elizabeth; Borrero, Sonya; Kazmerski, Traci. "Urinary incontinence in young women with cystic fibrosis". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 473), 2017	Poster
Havasi, Viktoria; Heltshe, SL; Birket, Susan; Rowe, Steven; Stalvey, Michael. "Impaired growth and bone formation in cf rats: a model for CF infants". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 645), 2017	Poster
Kazmerski, Traci; Jospehy, Tatiana; Sufian, Sandra; Gilmore, Kelly; Jain, Raksha; Ladores, Sigrid; Mody, Sheila, Heltshe, SL; Godfrey, Emily. "Advancing comrehensive care through the interdisciplinary cystic fibrosis reporductive and sexual health collaborative." Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 685), 2017	Poster
Bray, Leigh Ann; Ladores, Sigrid. "Fertility, pregnancy, and mental health concerns among women with cystic fibrosis". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 716), 2017	Poster
Ladores, Sigrid; Bray, Leigh Ann. "Fears surrounding pregnancy among women with cystic fibrosis." Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 747), 2017	Poster
Lenzie, Andrew. "Densitometry analysis by uOCT quantifies improved dispersion and viscosity of treated sputum samples" (W11.3)	Workshop
Leung, Hui Min (one of our partners at Mass. Gen. Hospital). "First in human functional anatomic imaging of nasal airways using μOCT" (W01.5)	Workshop
Birket, Susan. "A humanized G551D rat model to evaluate CF airway disease" (W26.1)	Workshop
Lowman, John. "Something other than VO2 max: what else can be gleaned from cardiopulmonary exercise testing?" (W19.5)	Workshop
Havasi, Viktoria. "Impaired growth and bone formation in CF rats: a model for CF infants" (W04.4)	Workshop
Garcia, Bryan. Adult Fellows Session. "Spontaneous clearance of chronic pandoraea sputorum pulmonary infection following initiation of ivacaftor in a R117H patient"	Adult Fellows Session Speaker

Presentation / Award	Category
Solomon, George.	TDN Plenary
Rowe, Steven. Symposium. “Lung physiology: its impact on mucociliary clearance in CF” (S06.1)	Symposium
Rowe, Steven. “CFTR modulation with tezacaftor/ivacaftor in patients heterozygous for F508del and a residual function mutation” (S14.3)	Symposium
Rowe, Steven. “Results of a multicenter prospective longitudinal study evaluating the effectiveness of lumacaftor/ivacaftor in F508del homozygous CF patients following FDA approval (PROSPEECT PART B core study)” (W13.5)	Workshop
Leung, Hui Min. Semi-finalist for the Junior Investigators Best Abstract in Basic Science Award	Award
Denver, CO: October 18-20, 2018	
Adewale, Adegboyega; Falk Libby, Emily; Fu, Lianwu; Lenzie, Andrew; Mazur, Marina; Tearney, Guillermo; Durham, Carolyn; Copeland, Dan; Rowe, Steven. “ARINA-1 improves mucociliary transport in primary F508del-homozygous HBE monolayers”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 96), 2018	Poster
Birket, Susan; Henderson, A; Davis, Joy; Oden, Ashley; Tearney, Guillermo; Rowe, Steven. “Chronic pseudomonas infection in the CF rat is dependent upon mature submucosal gland expression”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 72), 2018	Poster
Bray, Leigh Ann; Ladores, Sigrid; Burgess, Benjamin, Mrug, Sylvie. “Health-related quality of life in adults with cystic fibrosis: A mixed methods study”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 763), 2018	Poster
Brown, Janet; “Sleep quality and depression in patients with cystic fibrosis”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 734), 2018	Poster
Burgess, Benjamin; Bray, Leigh Ann; Mrug, Sylvie. “Health locus of control and health outcomes in CF patients”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 736), 2018	Poster
Du, Ming; Liu, K; Chen, L; Bharani, L; Keeling, Kim; Rowe, Steven; Bedwell, David. “Development and characterization of luciferase-based reporters to monitor translation termination at premature termination codons (PTCS) versus normal termination codon (NTCS)”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 283), 2018	Poster
Du, Ming; Liu, K; Thrasher, Kari; Keeling, Kim; Rasmussen, Lawrence; Bostwick, Robert; Augelli-Szafran, Corinne; Suto, Mark; Mutyam, Venketeshwar; Rowe, Steven; Bedwell, David. “Effectiveness of model systems for therapeutic readthrough drug screens”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 282), 2018	Poster
Guimbellot, Jennifer. Baines, A; Khan, U; Heltshe, S; VanDalfsen, J; Jain, M; Rowe, Steven; Sagel, S. “Long term effects of ivacaftor in G551D patients: Five year follow-up data in GOAL-e2”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 226), 2018	Poster
Guimbellot, Jennifer; Ryan, Kevin; Anderson, Justin; Liu, Zhongyu; Kersh, Latona; Rowe, Steven; Acosta, Edward. “A quantitative assay for CFTR metabolites”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 227), 2018	Poster
Anderson, Justin; Liu, Zhongyu; Liu, Zhiyong; Ren, Changchun; Jillings, Tamas; Solomon, George; Rowe, Steven; Guimbellot, Jennifer. “Expression of drug metabolizing enyzmes in CF in vitro models”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 256), 2018	Poster
Kabir, F; Ambalavanan, N; Liu, R; Matthews, Q; Dey, S; Halloran, B; Mazur, Marina; Rowe, Steven; Harris, William. “Manipulation of micro-RNA modulates CFTR function in preclinical models”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 264), 2018	Poster

Presentation / Award	Category
Hunt, Benjamin; Birket, Susan; Swords, William. “Modeling pediatric infection with nontypeable haemophilus influenzae in children with CF disease using the CFTR-/- rat”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 377), 2018	Poster
Sharma, Jyoti; Tang, Liping; LaFontaine, Jennifer; Birket, Susan; Bao, D; Bedwell, David; Rowe, Steven. “Novel rat model for the cystic fibrosis nonsense mutation G542X”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 167), 2018	Poster
Kazmerski, Traci; Ladores, Sigrid; Jain, R; Mody, S; Pam, M; Brown, G; Sufian, S; Mentch, L; Tumiel Berhalter, L; Gilmore, K; Godfrey, E. “The Cystic Fibrosis Reproductive & Sexual Health Collaborative: Next steps in building a sustainable partnership." Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 686), 2018	Poster
Brown, Janet; Burgess, Benjamin; Mrug, Sylvie; Ladores, Sigrid. “Sleep quality and depression in patients with cystic fibrosis”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 734), 2018	Poster
Liu, Zhongyu; Anderson, Justin; Deng, Lily; Mackay, Stephen; Liu, Zhong; Zhao, Rui; Solomon, George; Rowe Steven; Guimbellot, Jennifer. “Fully differentiated nasal epithelial organoids for the study of CF”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 302), 2018	Poster
McDaniel, Melissa; Schoeb, Trenton; Swords, William. “Stenotrophomonas maltophilia colonization and virulence during mono- and poly-microbial infections”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 315), 2018	Poster
Mutyam, Venketeshwar; Peng, Ning; Du, Ming; Sharma, Jyoti; Bostwick, Robert; Hunter, R; Augelli-Szafran, Corinne; Keeling, Kim; Rasmussen, Lawrence; Suto, Mark; Bedwell, David; Rowe, Steven. “Novel stratagies to enhance the efficacy of readthrough agents that efficiently suppress both premature termination codons (PTC) and nonsense mediated decay (NMD)”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 294), 2018	Poster
Oates, Gabriela; Baker, Elizabeth; Zhu, Aowen; Rowe, Steven; Gutierrez, Hector; Thomas, Lacrecia; Harris, William T. “Tobacco smoke exposure and income as independent predictors of pulmonary decline in pediatric CF”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 552), 2018	Poster
Oates, Gabriela; Gamble, Stephanie; Gutierrez, Hector; Rowe, Steven; Harris, William T. “Self-reported vs objective adherence to airway clearance therapy in pediatric cystic fibrosis”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 522), 2018	Poster
Zhu, Aowen; Harris, William T; Gamble, Stephanie; Oates, Gabriela R. “Adherence to airway clearance with high frequency chest wall oscillation and change in lung function three years later”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 354), 2018	Poster
Mims, Cathy; Gamble, Stephanie; Hines, L; Villari, K; Hoover, Wynton; Thomas, Lacrecia; Oates, Gabriela. “Increasing documentation of reliable PFTS”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 527), 2018	Poster
Tarn, Valerie; Anderson, Virginia; Self, Staci; Oates, Gabriela; Gutierrez, Hector. “Improving nutritional outcomes of patients with CF by home delivery of snack boxes”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 632), 2018	Poster
Petty, Courtney; Birket, Susan; Tearney, Guillermo; Weismann, William; Baker, Shenda; Rowe, Steven. “PAAG improves mucociliary transport in CF rats”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 255), 2018	Poster
Shei, Ren-Jay; Adewale, Adegboyega; Leung, Huimin; Birket, Susan; Hyun, C; Ford, T; Cui, D; Solomon, George; Lenzie, Andrew; Fernandez-Petty, Courtney; Zheng, H; Palermo, J; Cho, Do-Yeon; Woodworth, Bradford; Yong, L; Hurley, B; Tearney, Guillermo; Rowe, Steven. “Reflectivity analysis of airway mucus viscosity by intranasal micro-optical coherence tomography in cystic fibrosis patients”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 288), 2018	Poster
Heltshe, S; Baines, A; Ramsey, Bonnie; Hoffman, L; Stalvey, Michael. “Short children with cystic fibrosis don't catch up by adulthood”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 625), 2018	Poster

Presentation / Award	Category
Swords, William; Oliver, M; Pang, B; Briles, D; Crain, M. “Pneumococcal infections in cystic fibrosis: Roles of capsule in biofilm density and persistence in vivo”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 432), 2018	Poster
Garcia, Bryan; Johns, James; McDaniel, Melissa; Fernandez-Petty, Courtney; Baker, Shenda; Stanton, B; Rowe, Steven. “Poly actetyl-arginyl glucosamine has anti-biofilm and anti-pseudomonal effect in vitro”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 354), 2018	Poster
Leung, Hui Min; Birket, Susan; Hyun, C; Solomon, George; Shei, Ren-Jay; Adewale, Adegboyega; Lenzie, Andrew; Fernandez-Petty, Courtney; Zheng, H; Palermo, J; Cho, Do-Yeon; Woodworth, Bradford; Yonker, L; Hurley, B; Rowe, Steven. “The study of airway functional microanatomy of CF airways using clinical intranasal micro-oct imaging.” Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 73), 2018	Poster
Solomon, George; Liu, Z; Baines, A; Heltshe, S; Guimbellot, Jennifer; Joseloff, E; Sagal, S; Clancy, JP; Tearney, Guillermo; Rowe, Steven. “In vitro responses of G551D and R117H human nasal epithelial cells correlate to clinical improvements to ivacaftor”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 162), 2018	Poster
Johns, Dixon; Fernandez-Petty, Courtney; McDaniel, Melissa; Garcia, Bryan; Birket, Susan; Baker, Shenda; Weismann, William; Swords, William; Rowe, Steven. “Novel disruption of an alginate biofilm infection model of CF respiratory disease”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 297), 2018	Poster
Thrasher, Kari; Xue, X; Benson, D; Mutyam, Venketeshwar; Mobley, J; Patel Thakerar, A; Bridges, Robert; Rowe, Steven; Keeling, Kim; Bedwell, David. “Insights into the mechanism of amino acid selection during suppression of CFTR nonsense mutations”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 52), 2018	Poster
Zhang, S; Cho, Do-Yeon; Lazrak, A; Grayson, J; Pena Garcia, J; Skinner, D; Lim, D; Mackey, C; Banks, C; Matalon, S; Woodworth, Bradford. “Resveratrol and ivacaftor are additive CFTR potentiators: Therapeutic implications for CF sinus disease”. Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 35), 2018	Poster
Zhang, S; Cho, Do-Yeon; Skinner, D; Lim, D; Mackey, C; Banks, C; Tearney, Guillermo; Rowe, Steven; Woodworth, Bradford. “Ivacaftor reverses airway surface liquid depletion caused by pseudomonas aeruginosa-induced acquired CFTR dysfunction in rabbit nasal epithelia.” Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 116), 2018	Poster
Cho, Do-Yeon; Skinner, D; Lim, D; Zhang, S; Weeks, C; Woodworth, Bradford. “Red ginseng increases chloride secretion and reduces pseudomonas aeruginosa biofilm formation.” Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 252), 2018	Poster
Cho, Do-Yeon; Hunter, R; Mackey, C; Lim, D; Skinner, D; Zhang, S; Swords, William. “Capability of mucin depgrading microbes in contribution to the growth of pseudomonas aeruginosa.” Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 328), 2018	Poster
Bush, Eric; Nicolas, A; Li, X; Kuipers, I; Hamilton, H; Hegge, Juila; Zhu, R; Chen, B; Srivastava, J; Schluep, Thomas; Baumlin, N; Salathe, Matthias; Shei, Ren-Jay; Rowe, Steven; Dickey, Burton; Mall, Marcus; Li, Z. “A novel targeted RNAi molecule delivery platform for the therapeutic inhibition of ENaC in cystic fibrosis lung disease.” Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 287), 2018	Poster
Ingenita, E; Nair, N; Yi, B; Lekstrom-Himes, J; Elborn, J; Rowe, Steven. “Retropsective analysis of physiological response patterns to tezacaftor/ivacaftor in patients with cystic fibrosis homozygous for F508del-CFTR or heterozygous for F508del-CFTR and a residual function mutation.” Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 135), 2018	Poster
Khimchenko, A; Leung, Huimin; Birket, Susan; Adewale, Adegboyega; Fernandez-Petty, Courtney; Beatty, M; Rowe, Steven; Tearney, Guillermo. “Particle-tracking microrheology using magnetomotive micro-optical coherence tomography.” Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 143), 2018	Poster

Presentation / Award	Category
Taylor-Cousar, J; Marigowda, G; Burr, L; Daines, C; Mall, M; McKone, E; Ramsey, B; Rowe, Steven; Sass, L; Tullis, E; McKee, C; Moskowitz, S; Robertson, S; Savage, J; Simard, C; Van Goor, F; Waltz, D; Xuan, F; Young, T; Keating, D. "Phase 2 safety and efficacy of the triple-combination CFTR modulator regimen VX-445/TEZ/IVA in CF". Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 213), 2018	Poster
Elborn, J; Taylor-Cousar, J; Rowe, Steven; Grosswald, R; Mershon, J; Springman, E; Ahuja, S. "A Phase 2 trial (empire CF) of a novel anti-inflammatory molecule, acebilustat, in patients with cystic fibrosis". Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 214), 2018	Poster
Davies, J; Moskowitz, S; Brown, C; Horsley, A; Mall, M; McKone, E; Plant, B; Prais, D; Taylor-Cousar, J; Tullis, E; Ramsey, B; Uluer, A; McKee, C; Robertson, S; Shilling, R; Simard, C; Van Goor, F; Waltz, D; Xuan, F; Young, T; Rowe, Steven. "Phase 2 safety and efficacy of the triple-combination CFTR modulator regimen VX-659/TEZ/IVA in CF." Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 216), 2018	Poster
Kaza, Niroop; Lin, Vivian; Stanford, Denise; Byzek, Stephen; Tang, Liping; Sammeta Vamsee, Raju; Rowe, Steven. "A novel CFTR potentiator improves mucus transport in the COPD ferret". Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 64), 2018	Poster
Chuang, C; Rizio, A; Loop, B; Lekstrom-Himes, J; You, X; Kosinski, M; Rendas-Baum, R; Davies, J; Rowe, Steven; Yang, Y. "Effects of tezacaftor/ivacaftor treatment in patients heterozygous for F508del-CFTR and a residual function mutation: Patient-reported outcomes in a Phase 3 randomized, controlled trial". Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 309), 2018	Poster
Barbier, Ann; DeRose, Frank; Karva, S; Smith, L; Askew, Kim; Kaza, Niroop; Shei, Ren-Jay; Stanford, Denise; Heartlein, M; Rowe, Steven. "In vitro and in vivo evaluation of an mRNA therapeutic for the treatment of patients with cystic fibrosis". Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 281), 2018	Poster
Adewale, Adegboyega. "ARINA-1 improves mucociliary transport in primary F508del-homozygous HBE monolayers"	Thematic Poster Discussion
Guimbellot, Jennifer. "Long term effects of ivacaftor in G551D patients: Five year follow-up data in GOAL-e2"	Thematic Poster Discussion
Birket, Susan. "Chronic pseudomonas infection in the CF rat is dependent upon mature submucosal gland expression" (W01.5)	Workshop
Solomon, George. "In vitro responses of G551D & R117H human nasal epithelial cells correlate of clinical improvements to ivacaftor" (W16.2)	Workshop
Sharma, Jyoti. "Novel rat model for the cystic fibrosis nonsense mutation G542X" (W25.2)	Workshop
Cho, Do-Yeon. "Capability of mucin depgrading microbes in contribution to the growth of pseudomonas aeruginosa" (W26.4)	Workshop
McDaniel, Melissa. "Stenotrophomonas maltophilia colonization and virulence during mono- and poly-microbial infections" (W06.4)	Workshop
Leung, Hui Min. "The study of airway functional microanatomy of CF airways using clinical intranasal micro-oct imaging" (W11.1)	Workshop
Woodworth, Bradford. "Advanced pharmacology for the CF provider" (SC05)	Short Course
Rowe, Steven. "Reading through premature truncation codons: Are we getting there?" (S14.4)	Symposium
Rowe, Steven. "A Phase 2 Trial (EMPIRE CF) of a novel anti-inflammatory molecule, acebilustat, in patients with CF" (S22.4)	Symposium
Bray, Leigh Ann. Junior Investigators Clinical Research Semi-Finalist	Award

Presentation / Award	Category
Phillips, Amanda. Junior Investigators Clinical Research Semi-Finalist	Award
Sharma, Jyoti (predoctoral trainee). Junior Investigator Best Abstract in Basic Science Semi-Finalist	Award
Thrasher, Kari (predoctoral trainee). Junior Investigator Best Abstract in Basic Science Finalist	Award
Nashville, TN: October 31-November 2, 2019	
Garth, J; Adewale, A.T; Shei, R; Tang, L; Helton, E.S; Denson, R; Zaharias, R; King, G; Sailland-Tschudi, J; Kuenzi, L; Baumlin, N; Salathe, M; Rowe, S; Barnes, J.W; Krick, S. Novel anti-aging strategies to inhibit the effect of bronchial cell senescence on mucociliary dysfunction. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 1), 2019	Poster
Khimchenko, A; Leung, H.M; Birket, S; Adewale, A.T; Fernandez-Petty, C; Rowe, S; Tearney, G.J. Particle-tracking microrheology using magnetomotive micro-optical coherence tomography. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 2), 2019	Poster
Harris, E; Fernandez-Petty, C; Johns, J; Baker, S; Weismann, W; Birket, S; Rowe, S. SNSP113 (PAAG) improves mucociliary clearance and mucus obstruction in the β-enac murine model of cf lung disease. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 27), 2019	Poster
Adewale, A.T; Falk Libby, E; Johns, J; Fu, L; Lenzie, A; Mazur, M; Tearney, G.J; Durham, C; Copeland, D; Rowe, S. ARINA-1 improves airway hydration and mucus transport above equi-osmolar solutions of saline. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 44), 2019	Poster
Leung, H.M; Birket, S; Solomon, G; Shei, R.J; Adewale, A.T.; Lenzie, A; Fernandez-Petty, C; Rowe, S; Tearney, G.J. μOCT texture analysis of images of cystic fibrosis mucus. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 69), 2019	Poster
Wang, Wi; Rowe, S. A gain-of-function mutation in x-loop of CFTR restores the function of low temperature-rescued F508del. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 80), 2019	Poster
Wang, W; Fu, L; Liu, Z; Wen, H; Hong, J.S; Kirk, K; Rowe, S. G551D-CFTR is defective in channel phosphorylation that can be restored by gain-of-function mutations. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 81), 2019	Poster
Rasmussen, L; Bono, T; Patel, K; Mazur, M; Tang, L; Rowe, S; Raju, S. Evaluation of apremilast as a novel adjuvant therapy in cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 87), 2019	Poster
Ambrosetti, A; Thompson, J; Bono, T; Wen, H; Gilliland, S.D; Fan, Y; Li, H; Lappe, A; McNicholas-Bevensee, C; Fu, L; Rowe, S; Wang, X.R. Lumacaftor acutely reduces channel opening of rescued F508DEL CFTR. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 97), 2019	Poster
Nicholas, A; Sabater, J; Pei, T; Li, X; Glebocka, A; Hamilton, H; Hegge, J; Trilling, Z; Schluep, T; Salathe, M; Dickey, B; Rowe, Steven; Mall, M; Bush, E.W. Therapeutic inhibition of ENaC with a lung-targeted RNAi molecule delivery platform preserves normal mucus clearance in a mucostatic sheep model of cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 165), 2019	Poster
Kabir, F.L; Sharma, Jyoti; Sasaki, S; Guo, S; Ambalavanan, N; Rowe, Steven; Harris, William Oligotherapeutic intervention to improve CFTR function in airway epithelia. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 167), 2019	Poster
Mayer-Hamblett, N; Zemanick, E.T; Odem-Davis, K; VanDevanter, D.R; Rowe, Steven; Konstan, M. CFTR modulator-induced sweat chloride changes across the cystic fibrosis population: first results from the CHEC-SC study. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 202), 2019	Poster
Gutierrez, H; Oates, G; Harris, W.T; Hoover, W; Rowe, S. Area deprivation as a risk factor for methicillin-resistant staphylococcus aureus infection in pediatric cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 205), 2019	Poster

Presentation / Award	Category
Oates, G.R; Harris, W.T; Baker, E; Gutierrez, H; Schechter, M.S; Morgan, W.J; Rowe, S. Association of tobacco smoke exposure and household income with lung function in pediatric cystic fibrosis: a longitudinal analysis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 209), 2019	Poster
Solomon, G.M; Joseph, R; Liu, Z; Joseloff, E; Sagel, S; Rowe, S. Durability and repeatability of in vitro responses of CF G551D and R117H human nasal epithelial cells. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 434), 2019	Poster
Liu, Z; Anderson, J; Liu, Z; Rowe, S; Bedwell, D; Guimbellot, J; Zhao, R. Assessing CFTR activity using iPSC-derived lung epithelial monolayers and organoids. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 451), 2019	Poster
Liu, Z; Anderson, J; Deng, L; Rowe, S; Guimbellot, J. Fully differentiated airway epithelial organoids for fluid transport swelling assays. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 466), 2019	Poster
Cho, D; Lim, D; Skinner, D; Zhang, S; Rowe, S; Woodworth, B. Controlled delivery of ciprofloxacin and ivacaftor via sinus stent in a preclinical model of pseudomonas sinusitis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 503), 2019	Poster
Guimbellot, J; Ryan, K.J; Anderson, J; Liu, Z.1; Kersh, L; Rowe, S; Acosta, E Clinical pharmacokinetics of ivacaftor. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 505), 2019	Poster
Jain, R; Mall, M; Drevinek, P; Lands, L; McKone, E; Polineni, D; Ramsey, B; Taylor-Cousar, J; Tullis, E; Vermeulen, F; Marigowda, G; McKee, C; Moskowitz, S; Nair, N; Savage, J; Simard, C; Tian, S; Waltz, D; Xuan, F; Rowe, S; Middleton, P; for the VX17-445-102 Study Group. Phase 3 efficacy and safety of the ELX/TEZ/IVA triple combination in people with CF and F508del/minimal function genotypes. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 507), 2019	Poster
Heijerman, H; McKone, E; Downey, D.G; Mall, M; Ramsey, B; Rowe, S; Tullis, E; Van Braeckel, E; Welter, J; Ahluwalia, N; Marigowda, G; McKee, C; Moskowitz, S; Simard, C; Sosnay, P; Waltz, D; Xuan, F; Zhang, Y; Taylor-Cousar, J; McCoy, K; for the VX17-445-103 Study Group. Phase 3 efficacy and safety of the ELX/TEZ/IVA triple combination in people with CF homozygous for the F508del mutation. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 508), 2019	Poster
Kabir, F.L; Ambalavanan, N; Rowe, S; Harris, W.T. Plasma MIR-145: a novel biomarker of CF lung disease relevant to CFTR expression and modulator response. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 509), 2019	Poster
Sharma, J; Mutyam, V; Du, Ming; Li, Y; Chen, J; Hong, J.S; Bostwick, B; Augelli-Szafran, C; Coote, K; Liang, F; Bihler, H; Mense, M; Suto, M; Bedwell, D; Rowe, S. Combination translational readthrough therapy to potentiate suppression of cystic fibrosis premature termination codon mutations. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 513), 2019	Poster
Zuckerman, J; McCoy, K; Schechter, M.S; Dorgan, D; Jain, M; MacDonald, K; Callison, C; Walker, S; Bodie, S; Barbier, A; Rowe, S. Safety and tolerability of a single dose of MRT5005, an inhaled CFTR mRNA therapeutic, in adult CF patients. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 515), 2019	Poster
Mutyam, V; Peabody, J; Hathorne, H; Peng, N; Sharma, J; Rowe, S. Ataluren/ivacaftor combination therapy for cystic fibrosis patients with nonsense mutations: evidence from two n-of-1 trials with W1282X mutations. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 554), 2019	Poster
Hathorne, H; Virella-Lowell, I; Croker, J.A; Lawson, M.M; Gile, C; Milard, S.L; Redden, D.T; Rowe, S. Electronic quality improvement program for clinical research UAB IRB process assessment. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 800), 2019	Poster
Anderson, J.D; Liu, Z; Parker, K; Lee, C; Giang, G; Solomon, G.M; Searcy, H; Guimbellot, J.S. Pharmacogenetic variability among CF patients: a personalized medicine approach. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 248), 2019	Poster
Perrem, L; Klingel, M; Stanojevic, S; Isaac, S.M; Jensen, R; Sanders, D.B; Solomon, M; Grasemann, H; Waters, V.J; Sweezey, N; Davis, S.D; Ratjen, F. The lung clearance index can	Poster

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detect acute respiratory events in school-age children with cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 543), 2019	
Goodwin, D.L; Wainwright, M; Smith, T; Fowler, M; Johnson, C; Bailey, J; Anderton, R; Armstrong, S; Gore, M; Solomon, G.M. Multidisciplinary interventions restore patients to sustained baseline lung function after initial lung function loss. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 768), 2019	Poster
Bailey, J; Weiland, K; Anderton, R; Solomon, G.M. Assessing and intervening on food insecurity in adults with cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 838), 2019	Poster
Thrasher, K; Xue, X; Benson, D; Mobley, J; Renfrow, M.B; Keeling, K.M; Bedwell, D. Identification of amino acids incorporated during suppression of CFTR nonsense mutations. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 127), 2019	Poster
Chen, L; Bharani, L; Liu, K; Keeling, K.M; Bedwell, D; Du, M. Development of a novel reporter system to determine the features of an mRNA that make it susceptible to readthrough and NMD inhibition. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 455), 2019	Poster
Keith, J.D; Lindgren, N.R; Smith, D.C; Henderson, A; Oden, A; Birket, S. Progressive development of airway inflammation corresponds to mucus expression in the cystic fibrosis rat. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 449), 2019	Poster
Rasmussen, L; Stanford, D; Patel, K.; Tang, L; Mazur, M; Winter, M; Engelhardt, J; Raju, S. Non-neuronal alpha-7 nicotinic acetylcholine receptors mediate cholinergic regulation of CFTR. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 101), 2019	Poster
Yang, Z; Aleksandrov, A; Zhou, Q; Jiang, F; Govaerts, C; Riordan, J.R; Urbatsch, I.L; Kappes, J.C; Brouillette, C. CFTR solution conformations revealed by thermal unfolding, similarities to cryo-em structures. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 78), 2019	Poster
Urbatsch, I.L; Hildebrandt, E; Jiang, F; Yang, Z; Kappes, J.C. A fluorescent approach to study CFTR potentiator binding. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 79), 2019	Poster
Gilliland, S.D; Li, C; Wang, X.R. An NBD1-targeting corrector functionally rescues F508del-CFTR in a cell-line-dependent manner. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 93), 2019	Poster
Cui, G; Hong, J.S; Chung-Davidson, Y; Infield, D; Xu, X; Simhaev, L; Khazanov, N; Stauffer, B.B; Imhoff, B; Cottrill, K.A; Blalock, J; Li, W; Senderowitz, H.2; Sorscher, E.J.1; Gaggar, A.4; McCarty, N.A. Lamprey CFTR: an ancient CFTR ortholog informs molecular evolution in ABC transporters. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 111), 2019	Poster
Oliver, K.E; Ali, H; Rauscher, R; Bampi, G.B; Santos, S; Rab, A; Hong, J.S; Ignatova, Z; Sorscher, E.J; Hartman, J.L. Partial rescue of G542X- and W1282X-CFTR is achieved following suppression of specific ribosomal components. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 123), 2019	Poster
Senderowitz, H; Zhenin, M; Simhaev, L; Bahia, M.S; Khazanov, N; Yang, Z; Brouillette, C. The structure and dynamics of wild-type and mutant cftr studied by molecular simulations. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 132), 2019	Poster
Santos, S; Icyuz, M; Sorscher, E.J; Hartman, J.L. Yeast phenomic analysis of RPL12 epistasis in the rescue of F670DEL-YOR1 misfolding. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 238), 2019	Poster
Siddiqui, A; Echols, J; Dai, Y; Keeling, K.M. Characterization of mice with defective nonsense-mediated mRNA decay. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 249), 2019	Poster
McDaniel, M.S; Schoeb, T; Swords, W.E. Stenotrophomonas maltophilia synergizes with pseudomonas aeruginosa in polymicrobial airway infections. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 307), 2019	Poster
Swords, W. Nontypeable haemophilus influenzae: colonization and persistence in neonatal CF rat model. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 313), 2019	Poster

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Lindgren, N.R; McDaniel, M.S; Swords, William. Experimental modeling of successional changes in bacterial populations in the CF lung. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 317), 2019	Poster
Cho, D; Skinner, D; Lim, D; Zhang, S; Swords, W.E.; Hunter, R.C; Woodworth, B.A. Interaction between L. lactis (probiotics) and patient-derived strains of P. aeruginosa in the presence of mucin. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 355), 2019	Poster
Brown, J.L; Frank, J; Ladores, S.L. Self-efficacy and cystic fibrosis: a scoping review. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 563), 2019	Poster
Searcy, H; Branstetter, J; Yarbrough, A; Hoover, W; Troxler, R. Efficacy and tolerability of ceftaroline compared to vancomycin for the treatment of acute pulmonary exacerbations in pediatric patients with cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 580), 2019	Poster
Searcy, H; East, P; Benner, K.2; Troxler, R. Patient response to implementation of higher ceftazidime dosing in the treatment of pulmonary exacerbations in pediatric patients with cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 585), 2019	Poster
Phillips, A.L; Anderson, V; Hoover, W; Thomas, L.K; Mims, C.R. Development delay and outcomes in outpatient CF clinic in children ages 0-12 years. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 603), 2019	Poster
Gutierrez, H; Gamble, S; Rutland, S; Oates, G.R. Effect of Aerobika®, an oscillatory positive expiratory pressure device, on lung function in pediatric cystic fibrosis patients: a longitudinal analysis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 605), 2019	Poster
Burgess, B.E; Gresham, B; Bray, L.A; Mrug, S. Spiritual coping and psychosocial adjustment in adults with CF. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 623), 2019	Poster
Oates, G.R; Dunn, K.M; Frederick, C.A; Hall, S; Maggs, J; Niranjan, S. Managing daily life with cystic fibrosis: exploration of patient and parent perspectives. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 647), 2019	Poster
Gaini, R; D'Angelo, C; Grossoehme, D.H; Troxler, R; Thomas, L.K; Mrug, S. Coping strategies predict change in physical health over time among youth with cystic fibrosis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 693), 2019	Poster
Mims, C.R; Anderson, V; Gamble, S; Thomas, L.K. Pilot for collecting patient-reported outcomes. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 752), 2019	Poster
Gay, P.C; Searcy, H; Tarn, V.E; Lock, L. Assessment and discontinuation of proton pump inhibitor usage in pediatric cystic fibrosis patients. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 756), 2019	Poster
Zhang, S; Cho, D; Skinner, D; Lim, D; Allen, M.C; Peña Garcia, J.A; Woodworth, B.A. Measuring potential difference in the sinuses more accurately predicts acquired CFTR dysfunction in chronic sinusitis. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 20), 2019	Poster
Oates, G. "Association of tobacco smoke exposure and household income with lung function in pediatric cystic fibrosis: a longitudinal analysis."	Workshop
Rasmussen, L. "Non-neuronal alpha-7 nicotinic acetylcholine receptors mediate cholinergic regulation of CFTR."	Workshop
Zhao, R. "Assessing CFTR activity using IPSC-derived lung epithelial monolayers and organoids."	Workshop
Johns, J. "The effect of CFTR modulators on a CF patient presenting with recurrent pancreatitis in the absence of respiratory symptoms."	Fellows Session
Ladores, S. "Beyond the lungs: Why fertility matters in the care of individuals with CF"	Symposium
Bedwell, D. "Barriers to effective nonsense suppression approaches using small molecules."	Symposium
Rowe, S. "Advancing CFTR modulator therapy for the vast majority of patients with CF"	Symposium

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Virtual: October 7-23, 2020	
Peabody Lever, J.E; Kim, H; Edwards, L; Bodduluri, S; McMillian, E; Rosen, B.H; Engelhardt, J; Phillips, S.E; Rowe, S. Ivacaftor improves mucociliary clearance in vivo in diseased G551D transgenic ferrets. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 1), 2020	Poster
Harris, E.S; Fernandez-Petty, C.M; Abou Daya, F; Johns, J.D; Margaroli, C; Baker, S; Weismann, W.P; Birket, S; Rowe, S. Effects of SNSP113 (PAAG) on mucus obstruction in the b-enac murine model of CF lung disease. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 3), 2020	Poster
Yu, L; Khimchenko, A; Leung, H.M; Birket, S; Rowe, S; Tearney, G.J. Probing of CF mucus microrheology with magnetomotive micro-optical coherence tomography. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 36), 2020	Poster
Margaroli, C; Li, J; Viera, L; Gaggar, A; Xu, X. Modulation of LTA4H aminopeptidase activity by neutrophil elastase in cystic fibrosis airway disease. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 49), 2020	Poster
Gridley, J; Fan, Y; Li, C; Wang, X.R. Impact of CFTR correctors on the channel activity of rescued F508 CFTR, an important factor in efficacious functional rescue. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 82), 2020	Poster
Cho, D; Zhang, S; Skinner, D; Lazrak, A; Bebok, Z; Thompson, H; Grayson, J; Rowe, S; Matalon, S; Woodworth, B.A. LPS decreases CFTR open probability and markers of mucociliary transport through generation of reactive oxygen species. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 95), 2020	Poster
Kazmerski, T.M; Stransky, O.M; Taylor-Cousar, J.L; Sawicki, G.S; Ladores, S.L; Godfrey, E.M; Aitken, M.L; Sufian, S; Jain, M; Barto, T.L; Billings, J; Hadjiliadis, D; Jain, R. Sexual and reproductive health behaviors and experiences of adult women with cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 138), 2020	Poster
Oates, G.R; Baker, E; Rutland, S.B; Harris, W.T; Rowe, S. Tobacco smoke exposure limits the therapeutic benefit of tezacaftor/ivacaftor in pediatric patients with cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 139), 2020	Poster
Bailey, J; Juarez, L.D; Rutland, S.B; Oates, G.R. Prevalence and correlates of overweight and obesity in a national cohort of children and adolescents with cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 144), 2020	Poster
Kazmerski, T.M; Stransky, O.M; Taylor-Cousar, J.L; Sawicki, G.S; Ladores, S.L; Godfrey, E.M; Aitken, M.L; Sufian, S; Jain, M; Barto, T.L; Billings, J; Hadjiliadis, D; Jain, R. Sexual and reproductive health care utilization and preferences of adult women with cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 146), 2020	Poster
Oates, G.R; Baker, E; Rutland, S.B; Harris, W.T; Rowe, S. Cessation of smoke exposure improves pediatric CF outcomes: longitudinal analysis of patient registry data. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 147), 2020	Poster
Rutland, S.B; Juarez, L.D; Schechter, M.S; Oates, G.R. The association of area deprivation and overall child health with pediatric CF respiratory outcomes in the united states. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 150), 2020	Poster
Oliver, K.E; Mao, Y; Laflin, S; Linscott, K; Gaines, E; Ali, H; Hong, J.S; Rab, A; Sorscher, E.J; Hartman, J.L. Utilizing yeast phenomics to discover gene interaction networks that influence biogenesis of CFTR nonsense alleles. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 204), 2020	Poster
Hoffman, L; Pope, C; Hayden, H; Rowe, S; Salipante, S; Nichols, D.P. Changes in fecal fat and microbiota with 1 month of elexacator/tezacaftor/ivacaftor: initial findings from the promise study. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 218), 2020	Poster
Lai, H.J; Lu, Q; Song, J; Farrell, P.M; Brown, D.M; Worthey, E; FIRST Study Group. Genetic factors help explain the response of children with CF to vitamin d supplements during their first two years. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 224), 2020	Poster

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McDaniel, M.S; Schoeb, T; Swords, W.E. Stenotrophomonas maltophilia synergizes with pseudomonas aeruginosa in polymicrobial airway infections. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 294), 2020	Poster
Baty, J; Huffines, J; Scoffield, J. Nitric oxide reductase is critical for p. aeruginosa tolerance to streptococcus parasanguinis-mediated nitrosative stress. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 300), 2020	Poster
Lindgren, N.R; Hunt, B.C; McDaniel, M.S; Swords, W.E. Impact of successional changes in the microbial populations of the CF lung. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 312), 2020	Poster
Cho, D; Skinner, D; Zhang, S; Lim, D; Thompson, H; Koch, C; Rowe, S; Tearney, G.J; Woodworth, B.A. Red ginseng aqueous extract improves markers of mucociliary clearance in the cystic fibrosis rat. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 376), 2020	Poster
Du, M; Liu, K; Dai, Y; Fu, L.K; Keeling, K.M. Bedwell, D. Development of second generation nanoluc-based reporters containing CFTR-specific PTCs for identifying readthrough compounds. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 380), 2020	Poster
Kabir, F.Z; Anderson, J.D; Liu, Z; Liu, Z; Sasaki, S; Huang, L; Guo, S; Rowe, S; Zhao, R; Guimbellot, J.S; Harris, W.T. MIR-145 inhibition in pluripotent stem cells and conditionally reprogrammed nasospheroids improves f508del correction: two patient-derived model systems to test personalized response to CFTR-directed oligotherapeutics. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 388), 2020	Poster
Barillà, C; Suzuki, S; Rab, A; Goller, K; Hong, J.S; Driggers, W.C; Flores, J; Feldman, R.J; Solomon, G.M; Stecenko, A; Sorscher, E.J; Davis, B.R. Application of IPSC-derived airway epithelium for evaluating the response of rare or unknown CFTR mutations to modulators. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 395), 2020	Poster
Liu, Z; Anderson, J.D; Liu, Z; Rowe, S; Bedwell, D; Guimbellot, J.S; Zhao, R. Using patient cell-derived induced pluripotent stem cells as an in vitro model to assess CF drug efficacy. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 402), 2020	Poster
Chen, J; Li, Y; Peng, N; Tang, L; Falk Libby, E; Rowe, S; Mutyam, V. Wlexacaftor/tezacaftor/ivacaftor enhances the function of CFTR following readthrough therapy of premature termination codons in vitro. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 412), 2020	Poster
Donaldson, S.H; Corcoran, T.E; Mogayzel, P.J; Laube, B; Pilewski, J.M; Boitet, E.R; Harris, E.S; Liu, B; Ceppe, A; Edwards, L; Zeman, K; Wu, J; Bennett, W.D; Rowe, S. Effect of elexacaftor/tezacaftor/ivacaftor on mucociliary clearance and mucus properties: the PROMISE mucus/MCC sub-study. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 413), 2020	Poster
Abou Daya, F; Boitet, E.R; Rowe, S. Amphotericin b improves airway surface hydration and mucus transport in primary f508del-homozygous human bronchial epithelial cells. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 425), 2020	Poster
Anderson, J.D; Liu, Z; Odom, L.V; Guimbellot, J.S. HNE organoids closely recapitulate short circuit current and clinical responses from patients. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 426), 2020	Poster
Linnemann, R.W; Streby, A; Rab, A; Solomon, G.M; Hunter, E; Hailemichael, T; Driggers, W.C; Slaten, K; Hathorne, H; Hong, J.S; Suzuki, S; Barillà, C; Davis, B.R; Stecenko, A; Sorscher, E.J. IPS-derived airway cell response to CFTR modulation: study of triple combination therapy in CF patients without an approved modulator. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 431), 2020	Poster
Nichols, D.P; Paynter, A; Kirby, S; VanDalfsen, J; Khan, Z; Heltshe, S.L; Donaldson, S.H; Frederick, C.A; Freedman, S; Gelfond, D; Hoffman, L; Kelly, A; Narkewicz, M.R; Sagel, S; Schwarzenberg, S; Singh, P; Solomon, G.M; Stalvey, M.S; Clancy, J.P; Rowe, S. Clinical effectiveness of elexacaftor/tezacaftor/ivacaftor: the longitudinal PROMISE study. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 441), 2020	Poster
Solomon, G.M; Leung, H.M; Boitet, E.R; Amilcar, B; Wade, J; Birket, S; Joseph, R; Edwards, L; Tearney, G.J; Rowe, S. Mechanistic investigation of the mucociliary response to triple combination modulator therapy in F508del CF. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 451), 2020	Poster

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Krick, S; Lowman, J.D; Bailey, J; Wade, J; Hathorne, H; Edwards, L; Rowe, S. Effect of the triple combination modulator therapy on exercise tolerance in CF patients. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 464), 2020	Poster
Nichols, D.P; Morgan, S.J; Singh, S.B; Rowe, S; Hoffman, L; Singh, P. Elexacaftor/tezacaftor/ivacaftor markedly reduces sputum pathogen density in people with CF; a promise study. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 465), 2020	Poster
Bray, L.A; Campbell, C; Brown, J.L; Ladores, S.L. Exploration of paths to motherhood in cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 486), 2020	Poster
Ladores, S.L; Campbell, C; Sufian, S; Bray, L.A. Fertility and fertility preservation in women with cystic fibrosis pre-lung transplantation. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 487), 2020	Poster
Brown, J.L; Bray, L.A; Kazmerski, T.M; Ladores, S.L. Exploring the interplay between self efficacy and sexual and reproductive health in women with cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 489), 2020	Poster
Bray, L.A; Baswell, K; Brown, J.L; Ladores, S.L. Body image and weight in adults with cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 494), 2020	Poster
Liang, F; Van Drie, J.H; Shang, H; Jordan, N; Smith, J; Wang, L; Cantu, S; Du, M; Bedwell, D; Bihler, H; Mense, M. Targeting translation termination for pharmacological readthrough of PTC variants of CFTR. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 507), 2020	Poster
Kabir, F.L; Sharma, J; Sasaki, S; Huang, L; Guo, S; Ambalavanan, N; Rowe, S; Harris, W.T. Antisense oligotherapeutic target site blockade against mir-145: a mutation agnostic approach to improve CFTR correction. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 510), 2020	Poster
Thrasher, K; Xue, X; Benson, D; Mobley, J; Renfrow, M.B; Keeling, K.M; Bedwell, D. Evaluating the CFTR protein variants created upon readthrough. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 518), 2020	Poster
Frederick, C.A; Dunn, K.M; Green, A; Hall, S; Lindwall, J; Maggs, J; Moffett, K; Phan, H; Prickett, M; Saavedra, M.T; Oates, G.R. Perspectives of the CF community on research ideas related to self-management and adherence. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 596), 2020	Poster
Corcoran, J.L; Li, P; Campbell, C; Bray, L.A; Ladores, S.L. Measuring knowledge of fertility preservation in women with cystic fibrosis: instrument development and psychometric analysis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 601), 2020	Poster
Bermingham, B; Rueschhoff, A; Ratti, G.A; NeSmith, A; Flume, P; Solomon, G.M; Cohen, L; Garcia, B. A multi-center retrospective analysis of the clinical efficacy of elexacaftortezacaftor-ivacaftor in patients with advanced lung disease. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 645), 2020	Poster
Thomas, L.K; Albon, D; Ong, T; Gammon, C; Gamel, B; Orcutt, Z; Powers, M.R. Rapid innovation and learning structure in the CF learning network: the telehealth ilab. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 677), 2020	Poster
Self, S.; Rutland, S.B.; Oates, G.R.; Gutierrez, H. Optimizing newborn screening for cystic fibrosis in Alabama: a QI project. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 690), 2020	Poster
Self, S; Mims, C.R; Gutierrez, H; Guimbellot, J.S. Evidence-based guideline implementation for CFTR-related metabolic syndrome. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 721), 2020	Poster
Rutland, S.B; Bergquist, R; Hager, A; Geurs, R; Mims, C.R; Gutierrez, H; Oates, G.R. Adaptation of a mobile health patient support platform to the needs of cystic fibrosis patients, caregivers, and clinicians in the United States. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 736), 2020	Poster
Mims, C.R; Anderson, V; Gamble, S; Dunn, J; Mabrey, E; Gutierrez, H. Implementation of multidisciplinary telehealth CF clinics. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 753), 2020	Poster

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Dickinson, K.M; Eckmann, T; Quittner, A.L; Butcher, J.L; Oates, G.R; Prickett, M; Schechter, M.S; Riekert, K.A. Socioeconomic status effects on adherence barriers to chronic therapies in CF. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 794), 2020	Poster
NeSmith, A; Bailey, J; Chaudary, N; Sawicki, G.S; Uluer, A.Z; Solomon, G.M. Multicenter assessment of telehealth experience of care in adult people with cystic fibrosis. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 797), 2020	Poster
Davis, J; Perkins, R; Barnico, K; Froh, D; Bailey, J; Gordon, R; NeSmith, A; Siracusa, C; Sawicki, G.S. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 799), 2020	Poster
Perkins, R.; Davis, J; Bailey, J; NeSmith, A; Solomon, G.M; Sawicki, G.S; Siracusa, C. Telehealth implementation in cystic fibrosis care during covid-19: the clinician experience. Pediatric Pulmonology Supp Volume 55, Issue S2 (Abstract 810), 2020	Poster
J. Peabody Lever. Top 3 Abstract in Airway Physiology. “Ivacaftor improves mucociliary clearance in vivo in disease G551D transgenic ferrets.”	Workshop
L. Bray. Top 3 Abstract in Nursing. “Exploration of paths to motherhood in cystic fibrosis.”	Workshop
J. Brown. Top 3 Abstract in Nursing. “Exploring the interplay between self-efficacy and sexual and reproductive health in women with cystic fibrosis.”	Workshop
S. Ladores. Top 3 Abstract in Nursing. “Fertility and fertility preservation in women with cystic fibrosis pre-lung transplantation.”	Workshop
S. Birket. “The CF Rat as a Model for Advancing Novel Therapeutics.”	Symposium
J. Scoffield. “Commensal streptococci. A potential defense strategy against Pseudomonas aeruginosa persistence.’	Symposium
J. Lowman. “The importance of exercise in achieving optimal health for people with CF.”	Symposium
M. Stalvey. “Effects of highly effective CFTR modulators on extrapulmonary manifestations of CF.”	Symposium
J. Guimbellot. “Pharmacologic considerations in drug response in CF.”	Symposium
GM. Solomon. “Challenges of precision medicine in CF.”	Symposium
GM. Solomon. “Clinical year in review.”	Symposium
Virtual: November 2-5, 2021	
J. Bailey, J. Wade, D. Redden, S. Rowe, G. Solomon. Nutritional and metabolic effects of elexacaftor/tezacaftor/ivacaftor in adults and adolescents with cystic fibrosis. Pediatric Pulmonology Supp Volume 20, Supplement 2 (Abstract 216), 2021	Poster
E. Harris, E. Helton, M. Mazur, S. Krick, S. Rowe, J. Barnes. Altered mucin sialylation results in delayed mucociliary transport in CF. Pediatric Pulmonology Supp Volume 20, Supplement 2 (Abstract 352), 2021	Poster
L. Yu, H. Leung, S. Birket, S. Rowe, G. Tearney. Advances of magnetomotive micro-optical coherence tomography for mucus microrheology. Pediatric Pulmonology Supp Volume 20, Supplement 2 (Abstract 384), 2021	Poster
S. Morgan, A. Vo, W. Ni, M. Radey, K. McGeer, S. Rowe, P. Jorth, S. Singh, D. Nichols, P. Singh. Effects of elexacaftor/tezacaftor/ivacaftor on the CF sputum microbiome: Preliminary analysis from the Promise study. Pediatric Pulmonology Supp Volume 20, Supplement 2 (Abstract 429), 2021	Poster
D. Cho, D. Skinner, S. Zhang, D. Lim, W. Swords, R. Hunter, S. Rowe, B. Woodworth. Adaptation of Pseudomonas aeruginosa isolates from cystic fibrosis patients to the anaerobic environment. Pulmonology Supp Volume 20, Supplement 2 (Abstract 445), 2021	Poster

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D. Bedwell, J. Sharma, M. Du, E. Wong, V. Mutyam, Y. Li, J. Chen, J. Wangen, K. Thrasher, L. Fu, N. Peng, L. Tang, K. Liu, B. Mathew, B. Bostwick, C. Augelli-Szafran, H. Bihler, F. Liang, J. Mahiou, J. Saltz, A. Rab, J. Hong, E. Sorscher, E. Mendenhall, C. Coppola, K. Keeling, R. Green, M. Mense, M. Suto, S. Rowe. Identification of a compound that mediates readthrough of CFTR nonsense mutations by reducing eRF1 levels. Pulmonology Supp Volume 20, Supplement 2 (Abstract 531), 2021	Poster
V. Mutyam, N. Peng, Y. Li, J. Chen, S. Rowe. Restoration of CFTR-dependent current by readthrough therapy in 2-D organoid monolayers derived from patients with nonsense mutations. Pulmonology Supp Volume 20, Supplement 2 (Abstract 532), 2021	Poster
S. Rowe, D. Dorgan, J. Lascano, J. Zuckerman, K. McCoy M. Jain, M. Schechter, S. Lommatzsch, V. Indihar, N. Lechtzin, K. McBennett, J. Callison, C. Brown, T. Liou, K. MacDonald, S. Nasr, S. Bodie, E. Meltzer, A. Barbier. Safety and tolerability of single and repeat doses of MRT5005, an inhaled CFTR mRNA replacement therapy, in adult CF patients. Pulmonology Supp Volume 20, Supplement 2 (Abstract 544), 2021	Poster
J. Chen, V. Mutyam, N. Peng, Y. Li, L. Tang, S. Rowe. New combination readthrough agents and CFTR corrector therapy to improve CFTR function of cystic fibrosis with nonsense mutation. Pulmonology Supp Volume 20, Supplement 2 (Abstract 552), 2021	Poster
E. Gaines, R. Mancinone, S. Laflin, W. Wang, S. Rowe, K. Oliver, Y. Mao, A. Rab, J. Hong, E. Sorscher, J. Hartman. YOR1 modeling of CFTR nonsense variants to discover effects of genetic factors and sequence context on efficacy of PTC suppression. Pulmonology Supp Volume 20, Supplement 2 (Abstract 581), 2021	Poster
F. Kabir, Z. Liu, J. Anderson, D. Crossman, S. Sasaki, L. Huang, S. Guo, J. Guimbellot, S. Rowe, W. Harris. Antisense oligonucleotide target site blockade of miR-145 binding selectively enhances CFTR correction in airway epithelial cells and nasal organoids. Pulmonology Supp Volume 20, Supplement 2 (Abstract 602), 2021	Poster
Z. Liu, C. Zhang, C. Li, Z. Liu, S. Rowe, D. Bedwell, J. Guimbellot, H. Li, R. Zhao. Generation and characterization of a patient-derived iPSC line carrying the CFTR G542X/G542X mutation. Pulmonology Supp Volume 20, Supplement 2 (Abstract 671), 2021	Poster
N. Lindgren, L. Novak, M. McDaniel, W. Swords. Impact of sequentially introduced non-typeable Haemophilus influenzae and Pseudomonas aeruginosa on CF lungs. Pulmonology Supp Volume 20, Supplement 2 (Abstract 424), 2021	Poster
C. Billiot, M. McDaniel, W. Swords. Achromobacter xylosoxidans as a cystic fibrosis–related opportunist. Pulmonology Supp Volume 20, Supplement 2 (Abstract 457), 2021	Poster
K. Thrasher, X. Xue, D. Benson, M. Renfrow, K. Keeling, D. Bedwell. Evaluating protein variants created by readthrough of CFTR nonsense mutations. Pulmonology Supp Volume 20, Supplement 2 (Abstract 606), 2021	Poster
G. Solomon, S. Bichl, S. Gomez, C. Gammon, K. Petren, R. Amin, C. Ren. Improved recognition and treatment of FEV1-indicated exacerbation signal (FIES) through an iLab approach. Pulmonology Supp Volume 20, Supplement 2 (Abstract 111), 2021	Poster
R. Linnemann, G. Solomon, A. Streby, A. Rab, W. Driggers, K. Slaten, H. Hathorne, J. Hong, S. Suzuki, B. Wang, C. Barillà, A. Stecenko, B. Davis, E. Sorscher. Clinical and iPSC-derived airway epithelial responses to elexacaftor/tezacaftor/ivacaftor in CF patients without an approved modulator. Pulmonology Supp Volume 20, Supplement 2 (Abstract 572), 2021	Poster
J. Brewington, J. Hong, C. Manfredi, A. Rab, D. Joshi, R. Linnemann, A. Streby, A. Stecenko, A. Ostmann, R. O'Shaughnessy, H. Morgan, J. Meeker, S. Suzuki, C. Barillà, B.Wang, Y. Cheng, H. Bihler, K. Coote, B. Davis, M. Mense, G. Solomon, E. Sorscher. Demonstration of pharmacologic N1303 K CFTR rescue in heterologous and human tissue-based model systems. Pulmonology Supp Volume 20, Supplement 2 (Abstract 638), 2021	Poster
C. Barillà, S. Suzuki, A. Rab, B. Wang, J. Hong, W. Driggers, A. Streby, R. Feldman, R. Linnemann, G. Solomon, A. Stecenko, E. Sorscher, B. Davis. Development of an iPSC-based	Poster

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airway epithelial platform for evaluating patient-specific responses to modulators. Pulmonology Supp Volume 20, Supplement 2 (Abstract 667), 2021	
J. Corcoran, C. Campbell, L. Bray, J.Brown, B.Woods, S. Ladores. Fertility preservation: Thematic analysis of interviews with partners of women with cystic fibrosis. Pulmonology Supp Volume 20, Supplement 2 (Abstract 228), 2021	Poster
S. Ladores, J. Corcoran, C. Campbell, L. Bray, J. Brown, B. Woods, P. Li. State of fertility preservation counseling: Knowledge, experiences, and preferences of partners of women with cystic fibrosis. Pulmonology Supp Volume 20, Supplement 2 (Abstract 230), 2021	Poster
O. Stransky, M. Pam, S. Ladores, M. Birru Talabi, S. Borrero, E. Godfrey, A. Roe, G. Sawicki, L. Zuckerwise, L. Mentch, J. Taylor-Cousar, R. Jain, T. Kazmerski. Engaging stakeholders in the development of a reproductive goals decision aid for women with cystic fibrosis. Pulmonology Supp Volume 20, Supplement 2 (Abstract 100), 2021	Poster
C. Margaroli, J. Koff, R. Tirouvanziam, A. Gaggar. EGFR signaling modulates the pathological adaptation of neutrophils recruited to CF airways. Pulmonology Supp Volume 20, Supplement 2 (Abstract 365), 2021	Poster
K. Genschmer, A. Gaggar, J. Blalock. Neutrophil-derived proteolytic extracellular vesicles in CF lung disease. Pulmonology Supp Volume 20, Supplement 2 (Abstract 380), 2021	Poster
G. Oates, R. Geurs, C. Mims, R. Bergquist, A. Hager, H. Gutierrez. A mobile health platform for pediatric cystic fibrosis: Impact on patient-reported outcomes and patient-centered care. Pulmonology Supp Volume 20, Supplement 2 (Abstract 275), 2021	Poster
J. Bailey, G. Brown, M. Corbera-Hincapie, C. Clemm, E. Dasenbrook, D. Durham, G. Oates, K. Reno, S. Sapp, M. Schechter, K. Robinson. Food insecurity in the cystic fibrosis care center network during COVID-19: Prevalence, screening, and interventions. Pulmonology Supp Volume 20, Supplement 2 (Abstract 337), 2021	Poster
A. Saulitis, S. Noyes, S. Gomez, L. Thomas, M. Britto, M. Seid. Drop-in QI: Model for improvement education in the CF learning network. Pulmonology Supp Volume 20, Supplement 2 (Abstract 84), 2021	Poster
R. Jain, A. Keller, M. Lee, N. West, T. Kazmerski, M. Aitken, A. Roe, D. Hadjiliadis, A. Uluer, S. Mody, P. Flume, L. Bray, J. Taylor-Cousar. Effect of pregnancy on lung function: Impact of CFTR modulators. Pulmonology Supp Volume 20, Supplement 2 (Abstract 169), 2021	Poster
J. Guimbellot, K. Ryan, J. Anderson, Z. Liu, J. Natt, L. Kersh, E. Acosta. Epithelial cell pharmacokinetics of ivacaftor. Pulmonology Supp Volume 20, Supplement 2 (Abstract 175), 2021	Poster
W. Nesser, S. Snyder, K. Driscoll, A. Modi. Rasch analysis of the Caregiver Quality of Life Cystic Fibrosis Scale. Pulmonology Supp Volume 20, Supplement 2 (Abstract 277), 2021	Poster
C. Mims, K. Lachowicz, V. Anderson, S. Self, H. Gutierrez. Increasing access to educational media: Use of dynamic QR codes on a “CF Across the Lifespan” banner. Pulmonology Supp Volume 20, Supplement 2 (Abstract 325), 2021	Poster
C. Mims, T. Harris, H. Gutierrez. Innovative technology for disseminating information to families and people with CF. Pulmonology Supp Volume 20, Supplement 2 (Abstract 326), 2021	Poster
D. Laucirica, C. Schofield, S. McLean, C. Margaroli, P. Agudelo-Romero, S. Stick, R. Tirouvanziam, A. Kicic, L. Garratt. Pseudomonas aeruginosa infection modulates primary granule exocytosis. Pulmonology Supp Volume 20, Supplement 2 (Abstract 348), 2021	Poster
M. Terry, J. Keith, A. Oden, S. Birket. Muc5b knockdown alters chronic infection outcomes in CFTR-KO rats. Pulmonology Supp Volume 20, Supplement 2 (Abstract 401), 2021	Poster
J. Baty, S. Stoner, J. Huffines, J. Scoffield. An oral commensal modulates the host immune response to Pseudomonas aeruginosa infection. Pulmonology Supp Volume 20, Supplement 2 (Abstract 497), 2021	Poster

Presentation / Award	Category
G. Bollar, J. Keith, A. Oden, M. Kiedrowski, S. Birket. Establishing a mutant for modeling Staphylococcus aureus small colony–variant airway infection in cystic fibrosis. Pulmonology Supp Volume 20, Supplement 2 (Abstract 507), 2021	Poster
M. Easter, M. Hirsch, E. Harris, E. Helton, G. Bollar, S. Birket, J. Barnes, S. Krick. Accelerated aging pathways are activated in cystic fibrosis airway disease. Pulmonology Supp Volume 20, Supplement 2 (Abstract 566), 2021	Poster
Y. Mao, M. Icyuz, S. Santos, A. Rab, J. Hong, E. Sorscher, J. Hartman, K. Oliver. Discovery of novel epistatic interactions that influence CFTR folding trajectory. Pulmonology Supp Volume 20, Supplement 2 (Abstract 614), 2021	Poster
Z. Yang, F. Jiang, J. Wehby, A. Aleksandrov, S. Estabrooks, J. Brodsky, M. Hirschi, W. Balch, C. Sabusap, L. Plate, X. Fang, T. Hwang, N. Soya, G. Lukacs, C. Wang, S. Vorobiev, J. Hunt, C. Brouillette, J. Kappes. CFTR protein production core: Availability of purified full-length wildtype and disease-mutant CFTR proteins and new experimental data revealing insights into CFTR function and disease mechanism. Pulmonology Supp Volume 20, Supplement 2 (Abstract 622), 2021	Poster
S. Vorobiev, C. Wang, Z. Yang, F. Jiang, J. Wehby, A. Aleksandrov, O. Clarke, R. Grassucci, K. Wong1, J. Riordan, C. Brouillette, I. Urbatsch, J. Kappes, J. Frank, J. Hunt. VX-770 does not efficiently activate human CFTR in digitonin. Pulmonology Supp Volume 20, Supplement 2 (Abstract 626), 2021	Poster
S. Aller, B. Sumeet, G. Hemminger, J. Forrest. A nonolfactory shark adenosine receptor activates CFTR with unique pharmacology and structural features. Pulmonology Supp Volume 20, Supplement 2 (Abstract 636), 2021	Poster
K. Keeling, A. Siddiqui, J. Echols, V. Havasi, L. Fu, Y. Edwards. Exploring nonsense-mediated mRNA decay of CFTR as a therapeutic target. Pulmonology Supp Volume 20, Supplement 2 (Abstract 655), 2021	Poster
D. Bedwell. “Small molecule approaches to suppress CFTR nonsense mutations”	Symposium
GM. Solomon. “Biomarkers of CFTR activity”	Symposium
S. Ladores. “Psychosocial challenges associated with improvement of physical health: Unanticipated implications of CFTR modulator therapy”	Symposium
J. Bailey. “Nutritional and metabolic effects of CFTR modulators”	Symposium
H. Gutierrez. “South Asian perspectives in genetic and clinical CF diagnoses”	Symposium
E. Harris. “Altered mucin sialylation results in delayed mucociliary transport in cystic fibrosis”	Workshop
WT. Harris. “ASO target site blockade of miR-145 binding selectively enhances CFFTR correction in airway epithelial cells and nasal organoids”	Workshop
C. Margaroli. “EGFR signaling modulates the pathological adaptation of neutrophils recruited to CF airways”	Workshop
J. Bailey. “Food insecurity in the cystic fibrosis care center network during COVID-19: Prevalence, screening, and interventions”	Workshop
J. Bailey. “Nutritional and metabolic effects of elexacaftor/tezacaftor/ivacaftor in adults and adolescents with cystic fibrosis”	Workshop
J. Bailey. “Rapid pivot to telehealth and experience of care”	Workshop

See Center Overview, section C and Administrative Core, section E.9