

**Table 1. CF Center NACFC Presentations (2015-2019)**

Presentation / Award	Category
<b>Phoenix, AZ: October 8-10, 2015</b>	
Rowe, S; Solomon, GM; Birket, S. "The effect of correctors and potentiators on CF mucus and its transportability". Pediatric Pulmonology Supp 41 (Summary S02.4), 2015.	Poster
Mims, C. "Transition Derailment: Good Intentions Go Bad" Pediatric Pulmonology Supp 41 (CC01: Case #4), 2015.	Poster
Yang, Z., "Interactions and cooperativity between P-glycoprotein structural domains determined by thermal unfolding provides insight into its soludation structure and function". Pediatric Pulmonology Supp 41 (Abst 7), 2015.	Poster
Chung, W.J. "Increasing the pool of CFTR available for correction: Discovery of new CF experimental therapeutics that inhibit ubiquitin ligase". Pediatric Pulmonology Supp 41 (Abst 13), 2015.	Poster
Oliver, K., "Targeting the ribosome as a novel approach to correcting CFTR class II trafficking defects". Pediatric Pulmonology Supp 41 (Abst 14), 2015.	Poster
Lin, V. "Molecular Mechanisms underlying cigarette smoke-induced CFTR dysfunction". Pediatric Pulmonology Supp 41 (Abst 53), 2015.	Poster
Fain, M., "effect of E-cigarettes on airway epithelial ion transport and implications for mucociliary clearance defense". Pediatric Pulmonology Supp 41 (Abst 81), 2015.	Poster
Harris, W. "Analyzing the immune repertoire in CF and Non-CF lungs" Pediatric Pulmonology Supp 41 (Abst 99), 2015.	Poster
Harris, W. "Endoglin: A targetable regulator of TGF- $\beta$ signaling in CF lungs". Pediatric Pulmonology Supp 41 (Abst 118), 2015.	Poster
Birket, S. "The CFTR -/- rat is susceptible to pseudomonas aeruginosa infection" Pediatric Pulmonology Supp 41 (Abst 141), 2015.	Poster
Icyuz, M. "Yeast phenomic analysis of the RPL12 mechanism that modulates ABCC- $\Delta$ F protein biogenesis". Pediatric Pulmonology Supp 41 (Abst 171), 2015.	Poster
Rab, A. "Epithelial cell models expressing diverse CFTR mutations for studies of disease mechanism and drug discovery". Pediatric Pulmonology Supp 41 (Abst 184), 2015.	Poster
Kappes, J., "A stable mammalian cell system overexpressing recombinant CFTR protein for biophysical and structural studies". Pediatric Pulmonology Supp 41 (Abst 189), 2015.	Poster
Sabusap, C.M., "Mechanistic analysis of rare CFTR2 alleles". Pediatric Pulmonology Supp 41 (Abst 199), 2015.	Poster
Mutyam, V., "Novel potentiators augment efficacy of translational readthrough in CFTR nonsense mutations." Pediatric Pulmonology Supp 41 (Abst 219), 2015.	Poster
Mutyam, V., "Identification of a clinically approved agent that efficiently promotes the suppression of premature termination codonsin CFTR nonsense mutations". Pediatric Pulmonology Supp 41 (Abst 220), 2015.	Poster
Solomon, G.M., "Consistency of multiple readers for nasal potential difference (NPD) parameters". Pediatric Pulmonology Supp 41 (Abst 224), 2015.	Poster
Sabusap, C., "Analysis of P67L CFTR illustrates barriers to therapeutic development for rare CF Mutations". Pediatric Pulmonology Supp 41 (Abst 233), 2015.	Poster
Fernandez, C., "PAAG improves survival of CFTR-/- mice with Distal Intestinal Obstructive Syndrome (DIOS)". Pediatric Pulmonology Supp 41 (Abst 240), 2015.	Poster

Presentation / Award	Category
Icyuz, M., "Genome-wide analysis in yeast to identify molecular targets promoting readthrough of CFTR-G542X". Pediatric Pulmonology Supp 41 (Abst 271), 2015.	Poster
Cho, D.Y., "Protective properties of nanodisk-amphotericin B (NDAMB) in nasal epithelia." Pediatric Pulmonology Supp 41 (Abst 342), 2015.	Poster
Gutierrez, H., "Pilot and feasibility program to develop a cystic fibrosis care center of excellence in Chile: Impact on Pulmonary Outcomes". Pediatric Pulmonology Supp 41 (Abst 552), 2015.	Poster
Gutierrez, H., "Pilot and feasibility program to develop a cystic fibrosis care center of excellence in Chile: impact on nutritional outcomes". Pediatric Pulmonology Supp 41 (Abst 553), 2015.	Poster
Stalvey, M., "Ivacaftor improves linear growth in G551D cystic fibrosis children: results of a multicenter, placebo-controlled study". Pediatric Pulmonology Supp 41 (Abst 554), 2015.	Poster
Stalvey, M., "Bone development in the cystic fibrosis ferret model". Pediatric Pulmonology Supp 41 (Abst 593), 2015.	Poster
26) Hathorne, H., "The investigation of quality of life and adherence in patients with the G551D mutation receiving ivacaftor therapy". Pediatric Pulmonology Supp 41 (Abst 619), 2015.	Poster
Oates, G., "Socioeconomic status, adherence to airway clearance therapy, and respiratory outcomes in pediatric patients with cystic fibrosis". Pediatric Pulmonology Supp 41 (Abst 661), 2015.	Poster
Rowe, Steven. "The Effect of correctors & Potentiators on CF Mucus & Its Transportability" (Oral Presentation: Symposium, The Failure to Clear CF Mucus)	Talk
Rowe, Steven. "A Case of Worsening Mycobacterial Infection & Chronic Low Level Pancreatitis Treated in a New Way" (Oral Presentation: Physicians Grand Rounds)	Talk
Rowe, Steven, Hathorne, Heather. "Crisis Communication Planning, A UAB Case Study" (Oral Presentation: Caregivers Session, Research Coordinators Updates)	Talk
Hathorne, Heather. "The Investigation of Quality of Life and Adherence in Patients with the G551D mutation Receiving Ivacaftor Therapy" (Oral Presentation: Workshop, Managing the Complex Needs of the Adult CF Patient)	Talk
Birket, Susan. "The CFTR +/- rat is susceptible to pseudomonas aeruginosa infection" (Presented Abstract: Workshop, New Advances in CF Animal Models)	Talk
Solomon, George. "Consistency of multiple readers for nasal potential difference (NPD) parameters" (Poster Discussion: New Therapies Poster Discussion/Workshop)	Talk
Mutyam, Venketeshwar. ., "Identification of a clinically approved agent that efficiently promotes the suppression of premature termination codons in CFTR nonsense mutations" (Poster Discussion: New Therapies Poster Discussion/Workshop)	Talk
Birket, Susan (postdoctoral trainee). Finalist, Junior Best Investigator in Basic Science Semi-Finalist	Award
Oates, Gabriela. Finalist, Junior Investigators Best Abstract in Clinical Research Award	Award

#### Orlando, FL: October 27-29, 2016

Sabusap, C.P.; Fu, L.; McNicholas-Bevensee, C.M.; Wang W.; Chung, W.; Wen, H.; Mazur, M.; Kirk, K.; Collawn, J.F.; Hong, J.S.; Sorscher, E.J. "Characterization of P67L CFTR as a model of "precision" therapeutics for rare CFTR alleles". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 7), 2016	Poster
Urbatsch, I.L.; Yang, Z.; Zhou, Q.; Hildebrandt, E.; Dai, Q.; An, J.; Ding, H.; Macon, K.J.; Riordan, J.R.; DeLucas, L.J.; Brouillette, C.; Kappes, J.C. "Stabilizing mutations in nucleotide binding domain 1 that promote folding and trafficking in cells also enhance protein thermostability of the purified, full-length	Poster

Presentation / Award	Category
human cystic fibrosis transmembrane conductance regulator". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 9), 2016	
Goeckeler-Fried, J.; Estabrooks, S.K.; Chiang, A.; Chung, W.; Ye, Z.; Denny, R.A.; Weissman, A.M.; Camacho, C.J.; Sorscher, E.J.; Brodsky, J.L.. "Identification of novel inhibitors of ubiquitination that improve rescue of F508DEL-CFTR by VX-809". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 35), 2016	Poster
Goeckeler-Fried, J.; Estabrooks, S.K.; Chiang, A.; Chung, W.; Ye, Z.; Denny, R.A.; Weissman, A.M.; Camacho, C.J.; Sorscher, E.J.; Brodsky, J.L.. "Identification of novel inhibitors of ubiquitination that improve rescue of F508DEL-CFTR by VX-809". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 35), 2016	Poster
Chung, W.; Fortenberry, J.A.; Sokirniy, I.; Wu, J.; Chiang, A.; Goeckeler-Fried, J.; Sterner, D.; Mattern, M.; Brodsky, J.L.; Sorscher, E.J.; Kumar, S. "Augmentation of the Available pool of CFTR for small molecular correction by inhibiting the E3 Ligase, GP78". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 52), 2016	Poster
Hudson, R.; Dawson, J.E.; Chong, P.; Yang, Z.; Millen, L.; Thomas, P.J.; Brouillette, C.; Forman-Kay, J. "Direct binding of the corrector VX-809 to human CFTR NBD1: Evidence of an allosteric coupling between the binding site and the NBD1:CL4 interface". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 55), 2016	Poster
Wang, C.; Vernon, R.M.; Yang, Z.; Zhou, Q; Brouillette, C.; Forman-Kay, J.; Hunt, J. "Engineering a stable NBD-1NBD2 fusion protein to identify compounds stabilizing their functional interface in human CFTR". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 63), 2016	Poster
Kabir, F.L.; Halloran, B.; Mazur, M.; Harris, W.T. "MicroRNA-145 mediates TGF- $\beta$ downregulation of CFTR in airway epithelial cells". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 66), 2016	Poster
Yang, Z.; An, J.; Zhou, Q.; Khazanov, N.; Hildebrandt, E.; Dai, Q.; Ding, H.; Macon, K.J.; He, L.; Riordan, J.R.; DeLucas, L.J.; Kappes, J.C.; Urbatsch, I.L.; Senderowitz, H.; Brouillette, C. "Identification of "super" thermostabilizing NBD1 mutations for introduction into exogenously expressed human CFTR destined for large-scale purification and biophysical and biophysical characterization". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 69), 2016	Poster
Birket, S.; Tuggle, K.L.; Oden, A.; Fernandez, C.M.; Chu, K.K; Tearney, G.J.; Fanucchi, M.V.; Sorscher, E.J.; Rowe, S.M. "The mucus transport defect in the CF rat airway is normalized by addition of bicarbonate". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 77), 2016	Poster
Cho, D.; Skinner, D.; Zhang, S.; Mackey, C.; Solomon, G.M.; Rowe, S.M.; Woodworth, B.A. "The endoscopically directed sinus potential difference assay detects acquired CFTR dysfunction in chronic rhinosinusitis (CRS)". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 115), 2016	Poster
Cho, D.; Skinner, D.; Zhang, S.; Mackey, C.; Rowe, S.M.; Woodworth, B.A. "Impact of mucus stasis in a preclinical model of rhinosinusitis" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 116), 2016	Poster
Chandler, J.D.; Horati, H.; Scholte, B.J.; Jones, D.P.; Peng, L.; Gaggar, A.; Janssens, H.; Tirouvanziam, R. "Untargeted metabolomics of cf infant balf identifies signatures associated with early airway disease based on pragma ct scoring" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 118), 2016	Poster
Mendenhall, E.; Coppola, C.J.; Lawlor, J. "Increasing cfr gene expression using synthetic transcriptional activators" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 146), 2016	Poster
Icyuz, M.; Mutyam, V.; Rowe, S.M.; Sorscher, E.J.; Hartman, J.L. "Genome-wide analysis in yeast to identify molecular targets promoting readthrough" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 158), 2016	Poster
Solomon, G.M.; Turner, K.B.; Brewington, J.; Liu, Z.; Ostmann, A.J.; Filbrandt, E.; Randell, S.H.; Gentzch, M.; Cotton, C.; Myerburg, M.M.; Clancy, J.P.; Rowe, S.M.; Joseloff, E.; Tuggle, K.L. "Method	Poster

Presentation / Award	Category
for biobanking human airway epithelial cells". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 160), 2016	
Rab, A.; Wen, H.; Manfredi, C.; Ehrhardt, A.; Joshi, D.; Sorscher, E.J.; Hong, J.S. "Model systems for investigating molecular pathogenesis of rare cfr alleles". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 171), 2016	Poster
McNicholas-Bevensee, C.M; Karki, S.; Guimbellot, J.S.; Rowe, S.M. "Sweat gland cultures for the study of cystic fibrosis". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 173), 2016	Poster
Mutyam, V.; Peng, N.; Sharma, J.; Xue, X.; Bedwell, D.M.; Andrews, M.; Van der Plas, S.; Conrath, K2; Rowe, S.M. "Novel correctors and potentiators augment efficacy of translational readthrough in cfr nonsense mutations" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 189), 2016	Poster
Bihler, H.; Harrington, J.; Musisi, I.; Mercadante, D.; Hong, J.S.; Rab, A.; Sorscher, E.J.; Saltz, J.; Mahiou, J.; Wong, E.; Liang, F.; Mense, M. "Functional characterization of established and novel nonsense mutation readthrough modulators in engineered frt cell lines and primary human bronchial epithelial (HBE) cells" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 190), 2016	Poster
Sharma, J.; Mutyam, V.; Peng, N.; Hong, J.S.; Mense, M.; E. Augelli-Szafran, C.; Pathak, V.; J. Suto, M.; Bostwick, R.; Bedwell, D.M.; Rowe, S.M. "Escin, a potential readthrough agent that promotes suppression of cfr premature termination codon mutations". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 198), 2016	Poster
Sarkar, N.; Greenstein, A.E.; Xu, X.; Lal, P.; Li, J.; Smith, V.; Gossage, D.; Gaggar, A. "GS-5745, an antibody inhibitor of mmp9, is functional in presence of human neutrophil elastase in cystic fibrosis sputa". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 231), 2016	Poster
Solomon, G.M.; Hathorne, H.; Liu, B.; Raju, S.V.; Reeves, G.; Acosta, E.P.; Dransfield, M.T.; Rowe, S.M. "Pilot evaluation of the CFTR potentiator ivacaftor for the treatment of chronic bronchitis". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 238), 2016	Poster
Sagel, S.D.; Khan, U.; Heltsh, S.L.; Joseloff, E.; Rowe, S.M; Clancy, J.P. "Study design and clinical characteristics of subjects enrolled in the CFFT prospect study" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 242), 2016	Poster
Fernandez, C.M.; Nelson, G.A.1; Birket, S.; Oden, A.; Elson, C.O.; Wiesmann, W.; Baker, S.; Rowe, S.M."CFTR-/- rat with distal intestinal obstructive syndrome (DIOS) ". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 258), 2016	Poster
Du, M.; Thrasher, K.; Wiley, W.; Xue, X.; Shakhmatov, M.; Liu, D.; Keeling, K.M.; Bedwell, D.M. "Development of new nanoluciferasebased dual readthrough/nonsense-mediated mRNA decay (dual RT/NMD) reporters to identify new compounds to treat cystic fibrosis caused by nonsense mutations". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 261), 2016	Poster
Falk Libby, E.; Fortinberry, H.; Birket, S.; Milla, C.; Cohen, I.; Tearney, G.J.; Rowe, S.M. "Brevenal increases airway surface liquid in F508DEL HBE cells". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 265), 2016	Poster
Falk Libby, E.; Fortinberry, H.; Birket, S.; Moskowitz, H.; Hill, D.B.; Tearney, G.J.; Rowe, S.M.; Heifetz, P.B. "Theradox™, a novel biologic derived from optimized thioredoxin-1, improves mucociliary transport in situ". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 266), 2016	Poster
Manfredi, C.; Rab, A.; Joshi, D.; Wang, W.; Kirk, K.; Saltz, J.; Mense, M.; Mahiou, J.; Sorscher, E.J.; Hong, J.S.; Ehrhardt, A. "Molecular analysis of the CFTR W1282x mutation". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 269), 2016	Poster
Benson, D.; Xue, X.; Mutyam, V.; Mobley, J.; Rowe, S.M.; Keeling, K.M.; Bedwell, D.M. "Identification of amino acids inserted during suppression of cfr nonsense mutations and their functional consequences". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 270), 2016	Poster
Garcia, B.; Carden, J.; Goodwin, D.; Smith, T.; Gaggar, A.; Leon, K.; Antony, V.; Rowe, S.M.; Solomon, G.M. "Successful eradication of burkholderia cepacia complex (bcc) from patients with cystic fibrosis: a case series". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 379), 2016	Poster

Presentation / Award	Category
Gamble, S.; Mims, C.; Britton, L.J.; Hoover, W. "Pilot for assessment of high frequency chest wall oscillation (hfcwo) device in clinic". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 528), 2016	Poster
Self, S.; Carden, J.; Lauderdale, S.; Mims, C.; Thomas, L.K.; Troxler, B.; Clark, M.; Smith, T.; Antony, V. "retreat between the pediatric and adult teams leads to sustainable improvements". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 533), 2016	Poster
Thomas, L.K.; Kimberly, B.; Rodgers, T.F.; Lauderdale, S.; Mims, C. "Communication among key inpatient, outpatient and community resource care teams decreases delays in discharge medications". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 543), 2016	Poster
Thomas, L.K.; Rodgers, T.F.; Lauderdale, S.; Troxler, B.; Hoover, W.; Kimberly, B. "Pre-determined discharge goals improve communication between inpatient and outpatient teams". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 544), 2016	Poster
Bailey, J.; Clark, M.; Carden, J.; Goodwin, D.; Smith, T.; Antony, V. "Multidisciplinary intervention improves nutrition status in adult patients with cystic fibrosis and urgent nutritional need". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 548), 2016	Poster
Lachowicz, K.; Anderson, V.; Self, S.; Tarn, V.E.; Gamble, S.; Britton, L.J.; Mims, C.; Gunter, L. Gutierrez, H. "The impact of home visits in infants and children with CF". Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 597), 2016	Poster
Tarn, V.E.; Brantley, C.; Lawrence, J.; Stalvey, M.S. "Bone health outcomes are more than Vitamin D levels" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 602), 2016	Poster
Havasi, V.; Andrews, M.A.; Stalvey, M.S. "Despite smaller size and reduced bone content, CFTR-/- rat femurs and tibias have similar bone strength" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 644), 2016	Poster
Stalvey, M.S.; Havasi, V.; Tuggle, K.; Wang, D.; Birket, S.; Rowe, S.M. "Growth in cystic fibrosis: The cartilaginous growth plate may be the key to poor linear growth" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 649), 2016	Poster
Iannuzzi, L.A.; Thomas, L.K.; Harris, W.T. "Impact of caregiver well-being on clinical disease in CF infants" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 672), 2016	Poster
Elliott, L.; Avis, K. "Pilot study: Sleep in siblings of children with cystic" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 729), 2016	Poster
Ladores, S.L.; Raju, D.; Bray, L. "Female fertility in the age of new CFTR modulating drugs" Pediatric Pulmonology Supp Volume 51, Issue S45 (Abstract 748), 2016	Poster
Hudson R., Dawson, J., Chong P.A., Vernon R., Yang Z., Millen L., Thomas P., Brouillette C., Forman-Kay J. "Direct binding of compounds to human cfr nbd1: allostery and the importance of domain-domain interactions". Pediatric Pulmonology Supp Volume 51, Issue S45 (S08.1), 2016	Symposium Session Summary
Bedwell DM. "Identification of new treatments for cystic fibrosis caused by nonsense mutations". Pediatric Pulmonology Supp Volume 51, Issue S45 (S14.2), 2016	Symposium Session Summary
Bedwell, D., Sermet-Gaudelus, I. "Small Molecule Intervention for Uncommon CFTR Mutations: Achieving Treatment for Every CF Patient" (Symposium Session II)	Talk
Brouillette, C., Govaerts, C. "Understanding & Stabilizing CFTR Structure" (Workshop Session II)	Talk
Hathorne, H., Fowler, R. "Research Coordinator – Special Topics" (Discipline Group Sessions)	Talk
Lowman, J., Lands, L. "PT & RT: Presentation of Best Exercise Practices Throughout the Lifespan" (Symposium Session III)	Talk
Rowe, Steven M. "Mucus Viscosity, Airway Hydration & the CF Mucus Clearance Defect" S01.2	Talk

Presentation / Award	Category
Birket, Susan. "The Mucus Transport Defect in the CF Rat Airway Is Normalized by Addition of Bicarbonate" Abstract Presentation. WS Session II	Talk
Solomon, George M. "Precision Medicine in CF" Roundtable Discussion R51	Talk
Brand, Katie. "Troubleshooting Lung Clearance Index (LCI)" Roundtable Discussion R52	Talk
Sabusap, Carleen. "Characterization of P67L CFTR as a Model of 'Precision' Therapeutics for Rare CFTR Alleles" Abstract Presentation. WS Session II	Talk
Hathorne, H. "DG11 CLIN: Research Coordinator – Special Topics (Research)"	Talk
Vebber, B. "DG19 SW/PSYCH: Coping With Disease Progression – End of Life & Palliative Care (Care)"	Talk
Birket, S. "W26 GMS: CF Model Systems (Research)"	Talk
Mendenhall, E. "W29 SPECIAL FORMAT: NT: Emerging Strategies for Correcting the Basic CFTR Gene Defect: Poster Discussion (Research)"	Talk
Mutyam, V. "Novel Correctors & Potentiators Augment Efficiency of Translational Readthrough in CFTR Nonsense Mutations" Abstract Presentation WS Session III	Talk
Tarn, V., Lachowicz, K., Aparicio, P. "The Impact of Home Visits in Infants & Children with CF" Abstract Presentation SW & RD Collaboration on Challenging	Talk
Guimbellot, J. "CFTR: Understanding & Enhancing CFTR Expression" Roundtable 4 CFTR	Talk
Thomas, LaCrecia K. "CLIN: Preparing QI Manuscripts" Roundtable 45 CLIN	Talk
Stalvey, M., "Bone Health & Making the Most of Your 15 Minutes: How to Use Your Clinic Consult Time Wisely While Promoting Adherence (Combination)" DG22 NTR	Talk
Cui, Dongyao (Our partner and co-mentee at MGH). Finalist, Junior Best Investigator in Basic Science	Award
Plyler, Zachary. Finalist, Junior Investigator Best Abstract in Basic Science Award	Award

### 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 stabilized cfr 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, Hano; Brouillette, Christie; Forman-Kay, Julie; Hunt, John F.	Poster



Presentation / Award	Category
"Engineering the second nucleotide-binding domain from human cftr with a catalytically active conformation". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 59), 2017	
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 $\mu$ OCT". 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 modifieier networks promoting premature termination codon suppression". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 156), 2017	Poster
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, Iлона; Gentsch, 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

Presentation / Award	Category
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; Bostwick, Robert; Rasmussen, Lynn; Du, Ming; Keeling, Kim; Bedwell, David; Rowe, Steven. "Synergistic approach to potentiate the readthrough 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- $\beta$ 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 mechanism of amino acid selection during suppression of CFTR nonsense mutations". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 286), 2017	Poster
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 transmembrane 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;	Poster



Presentation / Award	Category
Borrero, Sonya; Kazmerski, Traci. "Urinary incontinence in young women with cystic fibrosis". Pediatric Pulmonology Supp Volume 52, Issue S47 (Abstract 473), 2017	
Havasi, Viktoria; Heltse, 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; Josephy, Tatiana; Sufian, Sandra; Gilmore, Kelly; Jain, Raksha; Ladores, Sigrid; Mody, Sheila, Heltse, SL; Godfrey, Emily. "Advancing comprehensive care through the interdisciplinary cystic fibrosis reproductive 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 $\mu$ OCT" (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
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 (PROSPECT 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	
Adevala, 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

Presentation / Award	Category
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 enzymes 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
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 strategies to enhance the efficacy of readthrough agents that efficiently suppress both	Poster

Presentation / Award	Category
premature termination codons (PTC) and nonsense mediated decay (NMD)". Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 294), 2018	
Oates, Gabriela; Baker, Elizabeth; Zhu, Aowen; Rowe, Steven; Gutierrez, Hector; Thomas, Lacrechia; 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, Lacrechia; 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
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	Poster

Presentation / Award	Category
selection during suppression of CFTR nonsense mutations". Pediatric Pulmonology Supp Volume 53, Issue S2 (Abstract 52), 2018	
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 degrading 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; Schlupe, 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. "Retrospective 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
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; Uler, 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

Presentation / Award	Category
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
Adegboye, Adegboye. "ARINA-1 improves mucociliary transport in primary F508del-homozygous HBE monolayers"	Thematic Poster Discussion
Guimbello, 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 degrading 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
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; Adegboye, 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; Adegboye, 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 $\beta$ -enac murine model of cf lung disease. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 27), 2019	Poster



Presentation / Award	Category
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. $\mu$ OCT texture analysis of images of cystic fibrosis mucus. Pediatric Pulmonology Supp Volume 54, Issue S2 (Abstract 69), 2019	Poster
Wang, W; 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; Schlupe, 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
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

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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