The first piece of good news (and the reason the Quarterly report is late) is that we submitted the P30 Renewal July 20th! It was over 1,000 pages long and took weeks of work. We feel we put in a good application, so our fingers will be crossed in the meantime!

There will be a practice session for the North American Cystic Fibrosis Conference (NACFC) on October 26th from 2 – 5. Please let me know if you would like to present/practice. I will send out a Calendar Invite for that.

Our External Advisory Committee (EAC) will be visiting in November (I’ve sent out Save the Dates) and we will be having a CF Trainee-Mentor Research Day on November 15th where we’d like you present your NACFC posters or have your trainees present posters (hold on to them from NACFC). This will most likely be held at the Double Tree, please email me if you plan to present or have a trainee who will present. On the 16th we will be presenting ongoing projects to the EAC and get their feedback on how our Center is coming along.

**Publications:**

- Lutful Kabir, Farruk - Submitted a manuscript titled "microRNA-145 antagonism reverses TGF-β inhibition of F508del CFTR correction in airway epithelia" to American Journal of Respiratory and Critical Care Medicine. Manuscript has been resubmitted after first revision.

**Grants:**

- Adam Ambrosetti, a Pharm. D. candidate at Samford McWhorter School of Pharmacy (one of our partner research groups for the CFRC), recently received a Gateway to Research Scholarship ($5,000) from the American Foundation for Pharmaceutical Education. The project of the award, which extends from 6/30/2017 to 6/30/2018, is entitled “Impact of an investigational anti-cancer agent on lumacaftor-mediated..."
functional correction of F508del CFTR”. Dr. Robert Wang serves as the faculty mentor on the project.

- Birket, Susan – Received NGA for the competitive Renewal for her Loan Repayment Grant

**Presentations/Awards:**
- CFRC Accepted newest student trainee on the Research Development Program – Benjamin C Hunt. His project title: Investigating the Role of Biofilms in Cystic Fibrosis and Mechanisms of Biofilm Formation in Haemophilus influenzae Involved in Bacterial Persistence
- Woodworth, Brad – Dr. Woodworth’s lab won the American Rhinologic Society Basic Science Research Award for the spring meeting for the following manuscript - Assessment of acquired mucociliary clearance defects using micro-optical coherence tomography. (listed above)

**Appointments/Promotions:**
- Matalon, Sadis – Dr. Matalon has been appointed Editor in Chief of Physiological Reviews effective January 1st, 2018. This is one of the most cited scientific journals in the world with a five year impact factor of 34.
- Dr. Lloyd J. Edwards Named New Chair of the Department of Biostatistics – Over the course of his career, Dr. Edwards has served as a member of many academic and professional committees, including the UNC IRB Scientific Review Committee, the Clinical Research Committee of the Cystic Fibrosis Foundation, the American Statistical Association, a Statistical Support Unit Lead and Senior Research Scientist and Mentor for the UNC Institute on Aging. He is also a Fellow of the UNC Cecil G. Sheps Center for Health Services Research. He was inducted into Phi Beta Kappa in 1980 and received the Delta Omega Faculty Award in 2010. [http://www.soph.uab.edu/news/dr-lloyd-j-edwards-named-new-chair-department-biostatistics?utm_source=ereporter&utm_medium=email&utm_campaign=20170822](http://www.soph.uab.edu/news/dr-lloyd-j-edwards-named-new-chair-department-biostatistics?utm_source=ereporter&utm_medium=email&utm_campaign=20170822)
- Stalvey, Michael – Dr. Stalvey has had several roles/appointments in the last few months:
  - Promoted to Associate Professor!
  - Appointed to the North American Cystic Fibrosis Conference – Endocrine Section Co-Chair
  - Appointed to the Pediatric Endocrine Society – Education Committee

**Other Notable News:**
- Lutful Kabir, Farruk - For the first time, we have done miRNA gene array expression profiling in CF lungs using NanoString technology that produced 800 hits for human miRNAs important in CF disease pathogenesis. The manuscript is in preparation.

**And of COURSE - Accepted Talks for NACFC (And many others):**
- Ambrosetti, Adam; Thompson, Jake; Collins, Meredith; Banbury, Josh; Lappe, Ally; and 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.
- **Birket, Susan** - was accepted for both a poster and a talk. The title is: A HUMANIZED G551D RAT MODEL TO EVALUATE CF AIRWAY DISEASE
- **Bray LA, Ladores, S.** Fertility, pregnancy, and mental health concerns among women with cystic fibrosis. Poster presentation accepted to North American Cystic Fibrosis Conference; 2017 November; Indianapolis, IN, USA
- **Du, Ming** - IDENTIFICATION OF NEW READTHROUGH (RT) COMPOUNDS AND NONSENSE-MEDIATED MRNA DECAY (NMD) INHIBITORS WITH HIGH THROUGHPUT SCREENING (HTS) USING NANOLUC LUCIFERASE REPORTERS - Poster Session I: Thursday, November 2, 11:15 a.m.-1:45 p.m.
- **Falk Libby, Emily** - ENAC INHIBITOR AZD5634 INCREASES MUCOCILIARY TRANSPORT ALONE AND IN COMBINATION WITH LUMACAFTOR/IVACAFTOR IN PRIMARY CF HBE CELLS
- **Garcia, Bryan** - Spontaneous Clearance of Chronic Pandoraea sputorum Pulmonary Infection Following Initiation of Ivacaftor in a R117H Patient - Adult Fellows session Time: 4:33 PM - 4:43 PM
- **Guimbellot, Jennifer** –
  - o MICROFLUIDICS MODEL OF THE AIRWAY TO MEASURE CFTR ACTIVITY AND THE MUCOCILIARY TRANSPORT APPARATUS
  - o Novel measures of CFTR-dependent fluid transport in nasospheroids, a three-dimensional primary ex vivo nasal epithelial model
- **Havasi/Stalvey** - Poster number is 645, title: IMPAIRED GROWTH AND BONE FORMATION IN CF RATS: A MODEL FOR CF INFANTS, authors: Viktoria Havasi, Sonya L Heltshle, Susan Birket, Steven M. Rowe and Michael S. Stalvey.
- **Kazmerski T, Josephy T, Sufian S, Gilmore K, Jain R, Ladores S et al.** Advancing comprehensive care through interdisciplinary cystic fibrosis reproductive and sexual health collaborative. Poster presentation accepted to North American Cystic Fibrosis Conference; 2017 November; Indianapolis, IN, USA
- **Ladores S, Bray LA.** Fears surrounding pregnancy among women with cystic fibrosis. Poster presentation accepted to North American Cystic Fibrosis Conference; 2017 November; Indianapolis, IN, USA
- **Lenzie, Andrew** - APP&D: Innate Defense Defects in the CF Lung. His talk is titled “Densitometry analysis by µOCT quantifies improved dispersion and viscosity of treated sputum samples.”
- **Lin, Hui Min** – (one of our partners at Mass. Gen. Hospital) has been selected as a semi-finalist for the Junior Investigators Best Abstract in Basic Science Award - Presentation: FIRST IN HUMAN FUNCTIONAL ANATOMIC IMAGING OF NASAL AIRWAYS USING µOCT Type: Junior Investigators-Basic Science (Limited Attendance Session) Time: 12:15 PM - 1:35 PM
- **Liu, Liping; Fan, Yifei; Yang, Zhengrong; Rezaei, Mohammad; Yang, Xiaozhi; Banbury, Josh; Lappe, Ally; Bakey, Michelle T.; Fields, Jessica C.; Gipson, Hal; Song, Jiaheng; Li, Hanhan; Thompson, Jake; Kirby, Emily F.; Plourde, Collin; Gunter, Sarah Grace; Miller, Anna; Brouillette, Christie G.; Li, Chenglong; and Wang, X. Robert.** BIOCHEMICAL, FUNCTIONAL AND BIOPHYSICAL CHARACTERIZATION OF NBD1-TARGETING CFTR MODULATORS.
- **Lowman, John** – Talk - W19.5: Something Other Than VO2 Max: What Else Can Be Gleaned from Cardiopulmonary Exercise Testing? This is part of W19--PT&RT:
Emerging Clinical Tools in PT/RT: What Are We Measuring? Friday, November 3: 2:00 PM - 3:20 PM Workshop Room: Sagamore 5

- **Lutful Kabir, Faruuk** - Three abstracts have been recently accepted for 2017 NACFC. The titles are:
  - "MicroRNAs as novel genetic modifiers of TGF-β signaling in CF lungs"
  - "MicroRNA-145 antagonists augment F508del correction in CF airway epithelia"
  - "Exosomal CFTR-specific microRNA-145 is highly expressed in CF patients"

- **McNicholas-Bevensee, Carmel/Guimbellot, Jennifer** - SWEAT GLAND CULTURES FOR THE STUDY OF CYSTIC FIBROSIS - Poster Session I: Thursday, November 2, 11:15 a.m.-1:45 p.m.

- **Steele, Chad** - THE CXCL10/CXCR3 AXIS IN ACUTE VS. CHRONIC EXPOSURE TO ASPERGILLUS FUMIGATUS - Poster Session I: Thursday, November 2, 11:15 a.m.-1:45 p.m.

Please be sure to cite the Center’s P30 award in all of your CF papers! It’s award DK072482.

Thank you!

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