

# Christopher J. Nemastil, BS, BA

## Curriculum Vitae

Current as of January 26, 2017

### Contact Information

Section of Pulmonary Medicine  
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### Current Position

#### **Research**

02/2016 - Present      Research Assistant  
Pediatric Pulmonary Medicine  
Nationwide Children's Hospital and Research Institute  
Columbus, OH

### Education

#### **Undergraduate education**

08/2014 - Present      Columbus State Community College  
**Completed Coursework:**  
Biological Sciences I & II  
General Chemistry I & II  
Human Anatomy, Physiology, & Pathophysiology  
Intro to Microbiology  
Organic Chemistry I & II Lecture w/ Lab  
**Current Coursework:**  
General Biochemistry  
Columbus, OH

08/2007 - 05/2012      Bachelors of Science (BS), Management and Organizations  
Minor in International Business  
Miami University  
Oxford, OH  
May 5, 2012

08/2007 - 05/2012      Bachelors of Arts (BA), International Studies with Dual Concentration  
(I) International Development  
(II) Russian, Eastern Europe, and Central Asia Studies  
Miami University  
Oxford, OH  
May 5, 2012

08/2007 - 05/2012 Bachelors of Arts (BA), Russian Language, History, and Culture  
Miami University  
Oxford, OH  
May 5, 2012

08/2010 - 06/2011 Study Abroad  
Explore Asia, Student Ambassador  
Korea University  
Seoul, South Korea

### Honors and Awards

06/2016 Volunteer of the Month, Nationwide Children's Hospital, Columbus, OH

### Speaking Engagements

1. Dell ML, Smith W, **Nemastil CJ**, Humston L. *Dexmedetomidine Use by Pediatric Consultation Service for Severe Anxiety, Agitation, and Delirium*. 63rd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New York, New York, October 29, 2016
2. Hayes D Jr, Tobias JD, **Nemastil CJ**, Tumin D. Improved Access to Lung Transplantation Among Adolescents After Introduction of the Lung Allocation Score. Pediatric Pulmonary Symposium. Improved Access to Lung Transplantation Among Adolescents after Introduction of the Lung Allocation Score. 2016 American College of Chest Physicians International Chest Meeting, Los Angeles, California, October 25, 2016.
3. Woodley FW, Machado RS, Kaul A, **Nemastil CJ**, Jadcherla SR, Williams KC, Di Lorenzo C, Mousa H. *Prolonged Chemical Clearance in Children with Cystic Fibrosis (CF) Compared to Symptomatic Age-Matched Non-CF Children is not pH-Dependent*. 2016 World Congress of Pediatric Gastroenterology, Hepatology and Nutrition Meeting, Montreal, QC Canada, October 8, 2016.
4. Hayes D Jr, Tumin D, Aggarwal R, Lallier S, Hill C, Kopp BT, **Nemastil CJ**, Reynolds SD. Cell Therapy for Cystic Fibrosis: Is there an optimal source of basal progenitor cells? 2017 American Thoracic Society International Conference, Washington, DC, May 19-24, 2017. (Submitted)

### Publications

#### ***Peer-reviewed journals (Published, Submitted, Near Submission, Under Development)***

1. Li SS, Tumin D, **Nemastil CJ**, Krivchenia K, Hayes D Jr. The Ohio Medicaid Expansion not associated with Increased Health Insurance Coverage or Adherence to Routine Care in Adults with Cystic Fibrosis. Lung (Submitted)
2. Woodley FW, Moore-Clingenpeel M, **Nemastil CJ**, Jadcherla SR, Hayes D Jr, Kopp BT, Kaul A, Di Lorenzo C, Mousa H. Novel reference values suggest prolonged chemical clearance in a majority of children with cystic fibrosis. JPGN (Submitted)
3. Woodley FW, Machado RS, **Nemastil CJ**, Jadchurla SR, Hayes D Jr, Kaul A, Kopp BT, DiLorenzo C, Patel A, McCoy K, Mousa H. Cystic fibrosis patients may experience worsening gastroesophageal reflux as they age. (Near Submission)

4. Krivchenia K, **Nemastil CJ**, Tumin D, Hayes D Jr. Timing of inpatient spirometry impacts length of stay during acute pulmonary exacerbation in cystic fibrosis. (**Near Submission**)
5. Krivchenia K, **Nemastil CJ**, Tumin D, Hayes D Jr. Effects of blood pressure on the development of hemoptysis in cystic fibrosis. (**Near Submission**)

### **Abstracts (Published, Submitted)**

1. Dell ML, Smith W, **Nemastil CJ** (2016). 6.24 DEXMEDETOMIDINE USE BY PEDIATRIC CONSULTATION SERVICE FOR SEVERE ANXIETY, AGITATION, AND DELIRIUM. [Abstract]. *Journal of the American Academy of Child & Adolescent Psychiatry*, 55, S211-S212. doi: 10.1016/j.jaac.2016.09.344 (Published)
2. Woodley FW, Machado RS, Kaul A, **Nemastil CJ**, Jadcherla SR, Williams KC, Di Lorenzo C, Mousa H. Prolonged Chemical Clearance in Children with Cystic Fibrosis Compared to Symptomatic Age-Matched Non-CF Children is not pH-Dependent. *JPGN- Volume 63, Supplement 2, S381, October 2016.* (Published)
3. Hayes D Jr, Tumin D, Aggarwal R, Lallier S, Hill C, Kopp BT, **Nemastil CJ**, Reynolds SD. Cell Therapy for Cystic Fibrosis: Is there an optimal source of basal progenitor cells? 2017 American Thoracic Society International Conference. (**Submitted**)

### **Projects**

#### **Co-Investigator**

1. Perfluorocarbons as a mucolytic for cystic fibrosis sputum. (IRB Approved)
2. Progenitor/Stem Cells in Lung Transplantation. (IRB Approved)
3. Epidemiology of hemoptysis in patients with cystic fibrosis. (IRB Approved)
4. Utility of spirometry in the assessment of an acute cystic fibrosis exacerbation. (IRB Approved)
5. Comparison of regional differences of lung disease in cystic fibrosis. (IRB Approved)
6. Access to Care in Cystic Fibrosis Patients: Effect of Ohio Medicaid Expansion in The Affordable Care Act. (IRB Exempt)
7. Effects of Insurance Discontinuity during Adolescence on Lung Function in Young Adult Patients with Cystic Fibrosis. (IRB Exempt)

#### **Study Coordinator**

1. A retrospective review of respiratory cultures collected from cystic fibrosis patients treated with Orkambi (lumacaftor-ivacaftor). (IRB Approved)
2. Use of exhaled breath condensates to assess the composition of airway lining fluids of cystic fibrosis patients. (IRB Approved)
3. Sleep Disordered Breathing and Cardiovascular Manifestations in Children with Sickle Cell Disease. (IRB Approved)

4. A metabolomics approach to the study of pulmonary exacerbation in cystic fibrosis patients. (IRB Approved)
5. QTc Intervals in Cystic Fibrosis Patients Receiving Selective Serotonin Reuptake Inhibitors. (IRB Approved)
6. Diabetes and its effect on mental health in the cystic fibrosis population. (IRB Approval Pending)
7. Comparison of Osteoporosis Treatments in Adults with Cystic Fibrosis. (Pre-Submission)
8. Normal/Reference values for chemical clearance in adults. (Pre-Submission)

### **Research Assistant**

1. Comparative analysis of CO2 monitoring methods in patients with CF undergoing general anesthesia. (IRB Approved)
2. Assessing the impact of aging on gastroesophageal reflux (and swallowing) in patients with cystic fibrosis. (IRB Approved)
3. Normal/Reference values for the swallow-induced peristaltic wave (PSPW) index. (IRB Approved)
4. Assessing gastroesophageal reflux in children with cystic fibrosis using combined esophageal pH monitoring and multichannel intraluminal impedance monitoring. (IRB Approved)
5. Impact of pulmonary exacerbation on body weight in adult CF patients. (IRB Approved)
6. Precedex Use in Patients with Cystic Fibrosis and Psychiatric Comorbidities. (IRB Approved)
7. Dexmedetomidine in Patients Referred for Psychiatric Consultation. (IRB Approved)
8. Review of sleep in adults with cystic fibrosis. (IRB Approved)
9. Factors leading to increased length of stay for patients with obstructive sleep apnea or sleep-disordered breathing following adenotonsillectomy. (IRB Approved)
10. Evaluation of clinical utility of bronchoalveolar lavage performed during sinus surgery in patients with cystic fibrosis. (IRB Approved)

### **Professional Memberships**

- 06/2016 - Present      American Association for the Advancement of Science
- 07/2016 - Present      American Society for Microbiology