BIOGRAPHICAL SKETCH

NAME: Smith, Joshua Brian

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Assistant Professor, Pulmonary Sciences & Critical Care, University of Colorado

EDUCATION/TRAINING

| INSTITUTION AND LOCATION | DEGREE  (if applicable) | Completion Date  MM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| Florida State University | B.S. | 05/2009 | Biological Science |
| Florida State University | M.D. | 05/2013 | Medicine |
| New York Presbyterian-Weill Cornell Medical Center | Resident | 06/2016 | Internal Medicine |
| Duke University | Fellow | 06/2019 | Pulmonary & Critical Care |

1. **Personal Statement**

**My background is in internal medicine with specialization in Pulmonary and Critical Care Medicine. Additionally, during fellowship, I completed additional training to develop expertise in the area of lung transplantation. My clinical interests include lung transplantation, advanced lung diseases including cystic fibrosis, interstitial lung diseases, and pulmonary hypertension, and critical care medicine. I am interested in medical education and have been recognized for teaching medical students and residents throughout my training. My research experience focused on macrophage and Type 2 alveolar epithelial cell interactions; as I transition to faculty I intend to pursue a more translational focus on immunobiology of the lung with particular interest on immunology in lung transplantation.**

**B. Positions and Honors**

**Awards and Honors**

Duke University Department of Internal Medicine Fellow Teaching Award                    **June 2018**

New York Presbyterian Mark Pecker Award                                    **June 2016**

New York Presbyterian/Well Cornell Medical Center Resident Teacher Award                   **June 2016**

New York Presbyterian Hospital Internal Medicine Senior Resident of the Year                   **June 2016**

New York Presbyterian Hospital Employee of the Month                              **April 2016**

New York Presbyterian Hospital Internal Medicine Junior Resident of the Year                    **June 2015**

New York Presbyterian Hospital Internal Medicine Intern of the Year**June 2014**

Florida State University College of Medicine Internal Medicine Award                            **May 2013**

Florida State University College of Medicine Dean’s Award                                **May 2013**

Alpha Omega Alpha Honor Medical Society Inductee                                        **September 2012**

Gold Humanism Honor Society Inductee, FSU College of Medicine Class of 2013                  **July 2012**

Florida State University Foundation Mission Scholarship                                                          **August 2011**

Golden Key International Honor Society Outstanding Graduate Member, FSU Chapter            **May 2010**

Florida State University College of Medicine Summer Research Fellowship                             **April 2010**

**Leadership Experience**

**Duke University Graduate Medical Education Resident Council            July 2018-June 2019**

*Fellow Representative*

Nominated by residents and fellows to represent internal medicine fellowships in the Graduate Medical Education Committee.

**Mechanical Ventilation: Advanced Critical Care Management                      July 2018-Present**

**American College of Chest Physicians**

*Teaching Faculty*

Taught advanced techniques and skills for mechanically ventilating critically ill patients for physicians, advanced practice providers, and respiratory therapists

**Internal Medicine Housestaff Committee**

*Member***August 2013- July 2016**

Served as a member of the steering committee for the internal medicine residency program. Worked with program leadership to guide decisions and provide feedback.

**Florida State University College of Medicine Class of 2013, Pensacola FL**

*Vice-President***April 2011-June 2013**

Serve as the student government representative for FSU COM medical students completing clinical rotations at the Pensacola campus.  Act as a liaison between students and faculty and representatives from other clinical sites.

**Florida State University Career Center, Tallahassee, FL**

*Advisory Board Member* **January 2009-July 2011**

Served as a student advisor for the FSU Career Center, responsible for developing programs and initiatives to help the FSU community.  Responsible for aiding in the publicity of these programs and initiatives to Florida State University Students.

**Golden Key International Honor Society, Tallahassee, FL**

*President***December 2009-July 2011**

Served one of the largest student organizations as president, responsible for coordinating meetings and special events, representing the students within the community and with campus officials, collaborating with other organizations in various projects, and working on several committees throughout my tenure.

**C. Contributions to Science**

**PUBLICATIONS**

Smith, J., Zapetti, D.  (2016) Combination Therapy as the First-Line Treatment for Pulmonary Arterial Hypertension. *Clinical Pulmonary Medicine* 23:1, 45-46.

Maw, A., Jalali, C., Jannat-Khah, D., Gudi, K., Logio, L., Evans, A., Anderson, S., Smith, J. (2016). Faculty development in point of care ultrasound for internists. *Medical Education Online, 21(10),* 33287.

Smith, J., & Rodriguez, J. E. Help Desk Answers: What is the Best Treatment for Patients of All Ages with Community-Acquired Pneumonia? *Evidence Based Practice*, *15(2)*, 14.

Smith, J., & Rodriguez, J. E. (2010). Help Desk Answers: What is the best treatment for post-influenza pneumonia? *Evidence Based Practice*, *13(5)*, 11-12.

Smith, J., & Rodriguez, J. E. (2010). Help Desk Answers: Does dietary fat alter the risk of cardiovascular events in women? *Evidence Based Practice*, *Volume 13(9)*, 8.

**PRESENTATIONS & POSTERS**

J. Smith, A. Mathews. *Presentation*. Methods of Oxygen Delivery. Hospice and Palliative Care Fellows Longitudinal Curriculum. Duke University. Durham, NC. *(June 6, 2019).*

J. Smith. *Presentation*. The ABCD’s of Lung Transplantation. Pulmonary Fellows Conference. Duke University. Durham, NC. *(May 28, 2019).*

J. Smith, A. Mathews. *Presentation*. COPD Review. Hospice and Palliative Care Fellows Longitudinal Curriculum. Duke University. Durham, NC. *(April 18, 2019).*

J. Smith, J. Carney, L. Morrison. *Presentation and Poster.* Tacrolimus Associated Thrombotic Microangiopathy Presenting as Renal Failure and Hemolysis Following Lung Transplant. International Society for Heart and Lung Transplantation Conference. Orlando, FL. *(April 5, 2019).*

J. Smith. *Presentation*. Alveolar Macrophages Contribute to the Type 2 Alveolar Epithelial Stem Cell Niche. Pulmonary Research Conference. Duke University, Durham, NC. *(September 4, 2018).*

J. Smith, R. Tighe, C. Barkauskas. *Poster and Presentation.* Alveolar Macrophages Contribute to the Type 2 Alveolar Epithelial Stem Cell Niche. American Thoracic Society International Conference. San Diego, CA. *(May 21, 2018*).

S. Niedermeyer, J. Smith, G. Cheng. *Poster*. Bypassing the Stent Trial in Tracheobronchomalacia. American Thoracic Society International Conference. San Diego, CA. (*May 21, 2018)*.

J. Smith, E. Clausen, E Kessler, K Mahmood, S Shofer, M Wahidi, G Cheng. *Poster*. A Case of Mycobacterium Avium Complex Masquerading as a Lung Mass in a Lung Transplant Recipient. American College of Chest Physicians International Conference. Toronto, ON. *(Nov 1, 2017).*

J. Smith. Toxidromes in the ICU. *Presentation*. Critical Care Grand Rounds, Duke University Hospital. Durham, NC. (*Oct. 13, 2016).*

J. Smith. Clinical Controversies in COPD. *Presentation.* Internal Medicine Ambulatory Conference, New York Presbyterian-Weill Cornell Medical Center. New York City, NY. *(May 3, 2016).*

J. Smith. Therapies and Controversies in Managing the Pulmonary Manifestations of Cystic Fibrosis. *Presentation.* New York Presbyterian-Weill Cornell Medical Center. New York City, NY. *(March 11, 2016).*

J. Smith.  Pulmonary Manifestations of Systemic Sclerosis. *Presentation*. Academic Conference, Florida Hospital Internal Medicine Residency. Florida Hospital, Orlando, FL. *(Oct. 25, 2012).*

J. Smith.  Professional Communication in the Medical Setting. *Presentation.* Geriatrics Workshop. Baptist Manor, Pensacola, FL. *(July 26, 2012).*

J. Smith, E. Ault, M. Fabrizi. Florida State University’s Nicaragua Outreach. *Poster.* Physicians for Human Rights Annual Conference. Tufts University, Boston, MA. (*Feb. 2011).*

J. Smith, K. McKnight, X. Tzan, Y. Wang PhD.Cell cycle delays and chromosome mis-segregation in budding yeast csm1Δ and lrs4Δ mutants. *Poster.* FSU College of Medicine Research Fair. Tallahassee, FL.  (*Feb. 2011)*.

J. Smith. Cell cycle delays and chromosome mis-segregation in budding yeast csm1Δ and lrs4Δ mutants. *Presentation*. FSU College of Medicine Grand Rounds. Tallahassee, FL. (*Jan. 13, 2011)*.

**D. Additional Information: Research Support and/or Scholastic Performance**

**Division of Pulmonary and Critical Care, Duke University, Durham, NC           June 2017-June 2019**

Fellow – Christina Bakauskas, MD, Associate Professor

“Alveolar Macrophages Contribute to the Type 2 Alveolar Epithelial Stem Cell Niche”

Using in vitro murine models, demonstrated interdependence of alveolar macrophages on type 2 alveolar epithelial cell differentiation and proliferation within the stem cell/stromal cell niche.

**Department of Biomedical Science, Florida State University, Tallahassee, FL              April 2010-August 2010**

FSU College of Medicine Summer Research Grant—Yanchang Wang, PhD, Associate Professor

**“**Is Csm1/Lrs4 complex required for chromosome segregation in *Saccharomyces cerevisiae*?”

Demonstrated delays in mitosis and an increased frequency of chromosomal mis-segregation in Δcsm1 and Δlrs4 mutated yeast when microtubule assembly is disrupted, when compared to a wild type strain. Recipient of a $5,000 grant from Florida State University.

**Department of Geriatrics, Florida State University, Tallahassee, FL                          April 2010-August 2010**

AMSA End of Life Summer Fellowship – Ken Brummel-Smith, MD, Chair & Professor

Conducted medical rounds at Big Bend Hospice of Tallahassee.  Participated in didactic sessions and small groups focused on management and current topics in palliative medicine, and completed the AMSA Palliative Care curriculum.