





Third Year Fellows (2014-2017)

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|  | <p>Kevin C. Ma, M.D. BS, BA: Duke University MD: University of Washington School of Medicine Residency: NewYork-Presbyterian Hospital/Weill Cornell Medicine</p> <p>Research Profile and Publications</p> |
|  | <p>Michael T. Bender, M.D. BS: Cornell University MD: University of Rochester School of Medicine and Dentistry Residency: NewYork-Presbyterian Hospital/Weill Cornell Medicine</p> <p>Research Profile and Publications</p> |
|  | <p>Daniel S. Jones, M.D. BS: Emory University MD: Thomas Jefferson University Residency: UC San Diego School of Medicine</p> <p>Research Profile and Publications</p> |
|  | <p>Xiaoping Wu, M.D. BS: Washington University MD: New York Medical College Residency: Mount Sinai Beth Israel</p> <p>Research Profile and Publications</p> |

Denotes Chief Fellow



Kevin C. Ma, MD

Research Interests

I have been fortunate enough to take advantage of the resources at Cornell to explore the full gamut of pulmonary and critical care medicine. During my residency and into my first year of fellowship I examined the role of fiberoptic intubation as an initial airway strategy in critically ill patients. I was also involved in research exploring clinical risk factors of bacteremia with Carbapenem-resistant *Enterobacteriaceae* in neutropenic hosts, as well as the reliability of interferon gamma release assays for the diagnosis of latent tuberculosis in HIV-infected patients.

My current research is focused on the role of cell death and necroptosis (i.e. programmed necrosis), during critical illness. Necroptosis is a recent concept that challenges the previous cell death paradigm of either regulated apoptosis or unregulated necrosis. Necroptosis has been implicated in numerous experimental models of critical illness including sepsis, trauma, and acute lung injury. My work has focused on the detection of key necroptosis proteins in the plasma of critically ill patients and its correlation with mortality and organ injury. We hope this work will help elucidate the pathophysiologic mechanism of multiorgan dysfunction syndrome in the critically ill.

Mentors: Augustine M.K. Choi, MD. Edward J. Schenck, MD, Harjot K. Singh, MD, Michael Satlin, MD.

Publications, Talks, and Awards

PUBLICATIONS

1. Ryter SW, **Ma KC**, Choi AM. Carbon Monoxide in Lung Cell Physiology and Disease. *Am J Physiol: Cell Physiol* (Undergoing revision)
2. **Ma KC**, Mathad JS, Wilkin T, Li A, Singh HK. Treat or Repeat? Variability of Interferon Gamma Release Assays in an Urban HIV Clinic. *J Acquir Immune Defic Syndr* (Submission under peer review)
3. **Ma KC**, Jones DS, Price DR, Turetz ML. Recommended Reading from the New York - Presbyterian Hospital - Weill Cornell Medicine Pulmonary and Critical Care Medicine Fellows. *Am J Respir Crit Care Med* (In Press, PMID:28288286)
4. **Ma KC**, Pino A, Zappetti D. 2,4-Dinitrophenol Poisoning Presenting as a Sepsis-like Syndrome. *J Clin Tox*. 2017;07(01) DOI: 10.4172/2161-0495.1000338
5. Finkelsztein EJ, Jones DS, **Ma KC**, Pabon MA, Delgado T, Nakahira K, Arbo JE, Berlin DA, Scheck EJ, Choi AM, Siempos II. Comparison of qSOFA and SIRS for predicting adverse outcomes of patients with suspicion of sepsis outside the intensive care unit. *Crit Care*. 2017;21(1) PMID:28342442

6. **Ma KC**, Pino A, Narula N, Turetz ML. Scedosporium apiospermum mycetoma in an immunocompetent patient without prior lung disease. *Ann Am Thorac Soc*. 2017;14(1):145-147 PMID: 28035880
7. Turetz ML, **Ma KC**. Diagnosis and Management of latent tuberculosis. *Curr Opin Infect Dis*. 2016;29(2):205-211. PMID: 26836374
8. Pabon MA, **Ma KC**, Choi AM. Autophagy and Obesity-related Lung Disease. *Am J Resp Cell Mol Biol*. 2016;54(5):636-646. PMID: 26700794
9. **Ma KC**, Chung A, Aronson KI, Krishnan JK, Barjaktarevic IZ, Berlin DA, Schenck EJ. Bronchoscopic Intubation is an Effective Airway Strategy in Critically Ill Patients. *J Crit Care*. 2017;38:92-96 PMID: 27875775
10. **Ma KC**, Zappetti D. Pulmonary Trends: Apneic Oxygenation with High-Flow Nasal Cannula does not Improve Oxygen Saturation During Endotracheal Intubation in the Critically Ill. *Clin Pulm Med* 2016;23(4):194-195
11. Singh I, **Ma KC**, Berlin DA. Pathophysiology of Pulmonary Hypertension in Chronic Parenchymal Lung Disease. *Am J Med*. 2016;129(4):366-371. PMID: 26706386
12. **Ma KC**, Zappetti D. Pulmonary Trends: High-flow Nasal Cannula May Save Lives in Acute Hypoxemic Respiratory Failure. *Clin Pulm Med* 2015;22(5):258-260.
13. Satlin MJ, Cohen N, **Ma KC**, Gedrimaite Z, Soave R, Askin G, Chen L, Kreiswirth BN, Walsh TJ, Seo SK. Bacteremia due to Carbapenem-Resistant Enterobacteriaceae in Neutropenic Patients with Hematologic Malignancies. *J Infect* 2016;73(4):336-345. PMID: 27404978
14. Oelschlager BK, **Ma KC**, Soares RV, Montenovio MI, Oca JM, Pellegrini CA. A Broad Assessment of Clinical Outcomes After Laparoscopic Antireflux Surgery. *Ann Surg*. 2012;256(1):87-94. PMID: 22609842

Abstracts

1. **Ma KC**, Torres LK, Shostak E, Harvey BG. Late Diagnosis of Endobronchial Tuberculosis Leading to Tracheal Stenosis and Left Lung Collapse. *2017 ATS International Conference*. ATS 2017. Washington DC
2. **Ma KC**, Racanelli AC, Lizardi MT, DeSimone RA, Sanders A. Recurrent Pneumocystis jirovicii Pneumonia Presenting as Necrotizing Granulomatous Disease with Diffuse Pulmonary Nodules. *2017 ATS International Conference*. ATS 2017. Washington DC
3. **Ma KC**, Price DR, Nicholson T, Finkelstein E, Pabon MA, Nakahira K, Siempos II, Choi AM, Schenck EJ. Plasma TRAIL Levels Correlate With Organ Injury and Predict Organ Failure During Critical Illness. *2017 ATS International Conference*. ATS 2017. Washington DC
4. Patino E, **Ma KC**, Sureshbabu A, Finkelstein E, Choi AM, Choi, ME. Increased Plasma and Urine RIPK3 Levels Correlate with Acute Kidney Injury and Predict Duration of Kidney Dysfunction During Sepsis. *2017 ATS International Conference*. ATS 2017. Washington DC

5. Price DR, Sanders AS, **Ma KC**, Turetz ML. A Young Healthy Male with Rash and Progressive Respiratory Failure. *New York State Thoracic Society Annual Assembly 2017*. NYSTS 2017. New York, NY
6. Nicholson T, **Ma KC**, Pabon MA, Finkelzstein EJ, Choi AM, Berlin DA, Schenck EJ. Plasma Levels of TRAIL are Associated with Severity of Sepsis and Mortality. *ERS International Congress 2016*. *Eur Respir J* 48 (supp 60);2016:OA3021. London, UK
7. Finkelsztein EJ, Jones DS, **Ma KC**, Pabon MA, Schenck EJ, Siempos I, Choi AM. Validation of the recently proposed qSOFA score in the Weill Cornell Medicine Registry of Critical Illness. *CHEST 2016*. *CHEST* 150.4_S (2016): 347A-347A. Los Angeles, CA
8. **Ma KC**, Harvey BG. Systemic AL Amyloidosis Presenting as Bullous Lung Disease and Spontaneous Pneumothorax: An Unusual Presentation of a Rare Disease. *2016 ATS International Conference*. *ATS 2016 Am J Respir Crit Care Med* 193;2016:A7940. San Francisco, CA
9. **Ma KC**, Pabon MA, Schenck E, Finkelsztein E, Hernandez A, Berlin D, Nakahira K, Choi AM. Increased Receptor Interacting Serine/threonine Protein Kinase 3 plasma Levels is Associated with Severity of Sepsis. *2016 ATS International Conference*. *Am J Respir Crit Care Med* 193;2016:A2724. San Francisco, CA
10. **Ma KC**, Turetz ML. *Scedosporium Apiospermum* Pneumonia in an Immunocompetent Patient Without Prior Lung Disease. *2016 ATS International Conference*. *Am J Respir Crit Care Med* 193;2016:A7148. San Francisco, CA
11. Pabon MA, Malick F, **Ma KC**, Mizumura K, Hisata S, Lam HC, Choi M, Choi AM, Cloonan SM. Differential and Tissue Specific Autophagic Responses to Cigarette Smoke Exposure. *2016 ATS International Conference*. *Am J Respir Crit Care Med* 193;2016:A4103. San Francisco, CA
12. Pabon MA, **Ma KC**, Nakahira K, Salvatore M, Choi AM. Mitochondrial DNA in Bronchoalveolar Lavage Fluid is Associated with Mortality in Patients with Viral Lower Respiratory Tract Infections. *2016 ATS International Conference*. *Am J Respir Crit Care Med* 193;2016:A5472. San Francisco, CA
13. **Ma KC**, Mathad JS, Wilkin T, Wu X, Li A, Singh H. Treat or Repeat? Variability of Interferon Gamma Release Assays in the Detection of Latent TB Infection among HIV-positive Patients. *IDWeek 2015*. *Open Forum Infect Dis* 2015;2(S1):S447. San Diego, CA
14. **Ma KC**. 2,4-Dinitrophenol Poisoning Presenting as a Sepsis-like Syndrome. *New York State Thoracic Society Poster Session 2015*. New York, NY
15. Satlin MJ, Cohen N, **Ma KC**, Gedrimaite Z, Walsh TJ, Seo SK. Prevalence, Risk Factors, and Outcomes of Bacteremia due to Carbapenem-resistant Enterobacteriaceae in Neutropenic Patients with Hematologic Malignancies. *IDWeek 2014*. *Open Forum Infec Dis* 2014;1(S1):S70-472. Philadelphia, PA
16. Chung A, **Ma KC**, Berlin DA, Schenck EJ. Safety of Bronchoscopic Intubation Performed in the Medical Intensive Care Unit. *2014 ATS International Conference*. *Am J Respir Crit Care Med* 2014;189 (2014): A1624. San Diego, CA

17. **Ma KC**, Soares RV, Montenovio MI, Oca JM, Pellegrini CA, Oelschlager BK. "A Comprehensive Assessment of Outcomes After Laparoscopic Antireflux Surgery." *Western Student Medical Research Forum 2009. J of Invest Med.* 2009;57(1):97-242. Carmel, CA
18. Oelschlager BK, **Ma KC**, Soares RV, Montenovio MI, Oca JM, Pellegrini CA. A Broad Assessment of Clinical Outcomes After Laparoscopic Antireflux Surgery. *Digestive Disease Week 2009. Gastroenterology*, 2009;136(5), A-881–A-882. Chicago, IL
19. Shebrain SA, Wright AS, Oelschlager BK, **Ma KC**, Martin AV, Soares RV, Pellegrini CA. Outcomes of Robotic-Assisted and Laparoscopic Surgery for Gastroesophageal Reflux Disease. *Digestive Disease Week 2009. Gastroenterology*, 2009:136(5), A-914. Chicago, IL

ORAL PRESENTATIONS

1. Recurrent Pneumocystis jirovicii Pneumonia Presenting as Necrotizing Granulomatous Disease with Diffuse Pulmonary Nodules. *2017 New York State Thoracic Society Annual Assembly Fellow Forum 2017.* Feb 2017. New York, NY
2. DAMPs and Necroptosis in Critically Ill Patients. *First Joint Weill Cornell/NHLI Imperial College Academic Meeting.* Sep 2016. London, UK
3. Utilization of Non-invasive Positive Pressure Ventilation Outside of the Medical Intensive Care Unit – A Retrospective Study. *Joan and Sanford I. Weill Department of Medicine Quality Improvement and Patient Safety Poster Session.* May 2016. New York, NY
4. Spontaneous Pneumothorax: An Unusual Presentation of Systemic Disease. *2016 ATS Fellows' Case Conference at the ATS International Conference.* May 2016. San Francisco, CA
5. An Unexpected Lung Lesion. *2016 New York State Thoracic Society Annual Assembly Fellows Forum.* Feb 2016. New York, NY
6. Bronchoscopic Intubation is an Effective Airway Strategy in Critically Ill Patients. *The William A. Briscoe New York Lung Club.* Feb 2015. New York, NY
7. An unusual case of bullous lung disease and atelectasis. *5th Annual Inter City Pulmonary Fellows Symposium* Apr 2015. New York, NY

HONORS/AWARDS

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| 2016-2017 | Chief Fellow , NewYork-Presbyterian/Weill Cornell Pulmonary Critical Care Fellowship |
| 2017 | 1st Place , Best Research Abstract. New York State Thoracic Society Annual Assembly |
| 2017 | Finalist , Award for the Top 3 Presentations. New York State Thoracic Society Fellow's Forum |
| 2016 | Abstract Scholarship , 2016 ATS International Conference. San Francisco, CA |
| 2016 | Finalist , Award for the Top 3 Presentations. New York State Thoracic Society Fellow's Forum |
| 2015 | 1st Place , Award for Best Presentation. 5th Annual Inter City Pulmonary Fellows Symposium |
| 2014 | Senior Resident of the Year , NewYork-Presbyterian/Weill Cornell Internal Medicine Residency |



Michael T. Bender, MD

Research Interests

My research is focused on the role of the anti-inflammatory protein, Annexin A2, in sepsis. Annexin A2 is a calcium-dependent, phospholipid-binding protein that transitions between cytoplasm and cellular membranes in response to calcium flux, thereby orchestrating membrane fusion and repair events, and coordinate phagophore assembly in autophagy. We have observed key cellular mechanisms modulating protein expression and correlated findings with clinical outcomes including increased inflammatory signaling

and sepsis severity. We hope this work will discover novel inflammatory pathways involved in sepsis pathogenesis.

Mentors: David A. Berlin, MD. Katherine A. Hajjar, MD.

Publications, Talks, and Awards

PUBLICATIONS

1. **Bender MT**, Zappetti D. The addition of prednisone to antibiotics for the treatment of community-acquired pneumonia may shorten the time to clinical stability. *Clin Pulm Med.* 2015; 22:323-324.
2. **Bender MT**, Niederman MS. Improving outcomes in community-acquired pneumonia. *Curr Opin Pulm Med.* 2016; 22:235-242.
3. **Bender MT**, Niederman MS. Lessons learned from 2 decades of CAP therapy data: ways to improve patient management. *J Thorac Dis.* 2016. 8:E455.
4. **Bender MT**, Niederman MS. Principles of Antibiotic Management of CAP. *Semin Crit Care Med.* 2016. 37:905-912

ABSTRACTS

1. **Bender MT**, Kaner RJ. PI3K δ inhibitor pulmonary toxicity. *Case Report Session. Thematic Poster Session. New York State Thoracic Society Annual Assembly 2017.* New York, NY. 2016.
2. **Bender MT**, Kim SS, Friedman OA. Pulmonary hypertension due to pulmonary tumor embolism syndrome successfully treated with pulmonary vasodilator therapy as a bridge to chemotherapy. *Case Reports in Pulmonary Vascular Disease. Thematic Poster Session. American Thoracic Society International Conference.* San Francisco, CA. 2016.
3. **Bender MT**, West FM, Lanfranco JA, Chen H, Almeida D, Berlin DA, Hajjar KA. Modulation of annexin A2 expression in human sepsis. *Critical Care: Sepsis Translation Insights. Poster Discussion Session. American Thoracic Society International Conference.* San Francisco, CA. 2016.

4. **Bender MT**, Harvey BG. An interesting case of lung parenchymal non-necrotizing granulomatous inflammation in an individual with chronic lymphocytic leukemia. *Diffuse Parenchymal Lung Disease: Case Reports. Thematic Poster Session. American Thoracic Society International Conference*. San Francisco, CA. 2016.

ORAL PRESENTATIONS

1. Modulation of Annexin A2 Expression in Human Sepsis. *Weill Cornell Medicine. Department of Internal Medicine Research Grand Rounds*. June 22, 2016.
2. Modulation of Annexin A2 Expression in Human Sepsis. *Weill Cornell Medicine. William A. Briscoe Lung Club*. December 7, 2016
3. HIV-associated Lymphoproliferative B-cell Disorder. *Weill Cornell Medicine. New York Hospital Case Conference*. January 4, 2017.

HONORS/AWARDS

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| 2016 | Research Grant Award , Stony Wold-Herbert Foundation, \$25,000 |
| 2016 | 1st Prize , Dept of Medicine Fellows Research Award in Research. Weill Cornell Medicine |
| 2016 | Abstract Scholarship , 2016 ATS International Conference. San Francisco, CA |
| 2016 | 1st Place , New York State Thoracic Society Poster Session. |
| 2013 | CARE Award Recipient , NewYork-Presbyterian Hospital |
| 2011 | Alpha Omega Alpha , University of Rochester School of Medicine and Dentistry |



Daniel S. Jones, MD

Research Interests

My current research is focused on the role of host microbiota and microbe-derived small molecules in the regulation of ventilator-induced lung injury and critical illness. Patients admitted to the intensive care unit are exposed to many factors that may alter their microbial flora. Initial studies have identified dysbiosis as a frequent complication of critical illness. However, the connection between the observed changes in microbial composition and disease pathogenesis is incompletely understood. My research has involved using an animal model of ventilator-induced lung injury to assess the role of commensal bacteria in acute lung injury, as well as investigating the connection between commensal microbiota, metabolomic profiles and clinical outcomes in ICU patients in hopes of identifying the mechanisms by which changes in microbial community structure lead to disease pathogenesis.

Mentors: Augustine MK Choi, MD

Publications, Talks, and Awards

PUBLICATIONS

1. Finkelsztein EJ, **Jones DS**, Ma KC, Pabon MA, Delgado T, Nakahira K, Arbo J, Berlin DA, Schenck EJ, Choi AMK, Siempos II. Comparison of qSOFA and SIRS for predicting adverse outcomes of patients with suspicion of sepsis outside the intensive care unit. *Crit Care*. (Accepted for publication)
2. **Jones DS**, Zappetti D. High flow nasal cannula is superior to conventional oxygen delivery following extubation. *Clin Pulm Med*. 2016. 23(4):193-194
3. Troung T, **Jones DS**, Dunn AD. Pulmonary Embolism. *Hosp Med Clin*. 2014. 3(4):479-493.
4. **Jones DS**, Reichardt P, Ford ML, Edwards LJ, Evavold, BD. TCR Antagonism by peptide requires high TCR expression. *J Immunol*. 2008 181: 1760-1766
5. Kilgore NE, Ford ML, Margot CD, **Jones DS**, Reichardt P, Evavold BD. Defining the parameters for T cell recognition of ligands that vary in potency. *Immunol Res*. 2004 29: 29-40

ABSTRACTS

1. Finkelstein E, **Jones DS**, Ma KC, Pabón MA, Schenck EJ, Siempos II, Choi AMK. Validation of the recently proposed qSOFA score in the Weill Cornell Medicine Registry of Critical Illness. Chest Annual Meeting, 2016, Los Angeles, CA.
2. **Jones DS**, Siempos II, Choi AMK. Differential Effects of Antimicrobial Regimens in the Regulation of Ventilator Induced Lung Injury Associated Inflammation Activation. American Thoracic Society Annual Meeting. 2016. San Francisco, CA.

3. Siempos II, Imamura M, **Jones DS**, Choi AMK. Functional role of receptor-interacting kinase 3 (RIPK3) in the pathogenesis of ventilator-induced lung injury. American Thoracic Society Annual Meeting. 2016. San Francisco, CA.
4. **Jones DS**, Legasto AC, Narula N, Turetz ML. A 24yo Female with a Suspected Type I Congenital Pulmonary Airway Malformation. New York State Thoracic Society Annual Meeting. 2016. New York, NY.
5. Truong T, Lutz C, Poor H, Siegel N, Zelon C, Cho H, **Jones D**, Dunn A. High Value Treatment of Pulmonary Embolism. Society of Hospital Medicine's Annual Meeting. 2015. National Harbor, MD.
6. **Jones DS**. A Young Man with Pneumonia and Hemophilus influenzae Bacteremia. Clinical Vignette. Society of Hospital Medicine's Annual Meeting. 2014. Las Vegas, NV.
7. Parekh N, Singh KJ, **Jones DS**, Clopton P, Anand I, Christenson R, Daniels LB, DiSomma S, Filippatos G, Hogan C, Möckel M, Hudson M, Müller C, Neath SX, Ng L, Nowak R, Peacock WF, Ponikowski P, Richards AM, Potocki M, Wu A, Anker S, Maisel A. Improved Survival Associated With ACE-I and Beta Blocker Treatment in Heart Failure With Preserved Ejection Fraction: An Exploratory Analysis of the Biomarkers in Acute Heart Failure (BACH) Trial. American College of Cardiology Annual Meeting. 2009. Orlando, FL.
8. **Jones DS**, Reichardt P, Ford ML, Evavold BD. Delayed accumulation of TCR-mediated signals via the MAPK pathways in response to weak agonists. Keystone Symposium: Mechanisms of immunologic tolerance and its breakdown. 2003. Snowbird, UT.
9. **Jones DS** and Evavold BD. Peptide antagonism in CD8+ T cells with dual antigen specificity: evidence for TCR cross-talk. Keystone Symposium: Mechanism and Applications of Immune Tolerance. 2002. Steamboat Springs, CO.

ORAL PRESENTATIONS

1. Differential Effects of Antimicrobial Regimens in the Regulation of Ventilator Induced Lung Injury Associated Inflammasome Activation. *Department of Internal Medicine Research Grand Rounds*. Weill Cornell Medicine. New York, NY. 2016.
2. Differential Effects of Antimicrobial Regimens in the Regulation of Ventilator Induced Lung Injury Associated Inflammasome Activation. *First Joint Weill Cornell/NHLI Imperial College Academic Meeting*. London, UK. 2016

HONORS/AWARDS

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| 2016 | 1st Place , Poster Competition. First Joint Weill Cornell/NHLI Imperial College Academic Meeting |
| 2016 | Runner-up , Weill Cornell Fellowship Research Award 2016 |
| 2016 | Runner-up , New York State Thoracic Society, clinical vignette 2016 |
| 2011 | Scripps Health Leadership Academy |



Xiaoping Wu, MD

Research Interests

My research interest is in the area of molecular markers for interstitial lung disease (ILD) diagnosis. I am currently evaluating serum biomarkers for differentiating rheumatoid arthritis patients with ILD from those without in hopes of discovering a molecular signature that can be used for early detection of subclinical ILD. I am on the steering committee and endpoint adjudication committee of the CleanUP IPF trial and drafted the protocol and manual of procedures for this NIH funded trial investigating the role of lung

microbiome manipulation on respiratory hospitalization and mortality in idiopathic pulmonary fibrosis (IPF). I am also a co-investigator for the Pulmonary Fibrosis Foundation Registry and 2 clinical trials evaluating the efficacy of combination therapy in advanced IPF.

Mentors: Fernando J. Martinez, MD. Augustine MK Choi, MD. Robert J. Kaner, MD

Publications, Talks, and Awards

PUBLICATIONS

1. **Wu X**, Kaner RJ, Martinez FJ. Idiopathic pulmonary fibrosis: what is the best treatment? *BRN Rev* (in press).
2. **Wu X**, Zappetti D. Diagnostic Performance of a Genomic Classifier for Lung Cancer. *Clin Pulm Med* 2015;22:322
3. Lee PM, Lee C, Rattner P, **Wu X**, Gershengorn H, Acquah S. Intraosseous versus central venous catheter utilization and performance during inpatient medical emergencies. *Crit Care Med* 2015;43:1233-8

ABSTRACTS

1. **Wu X**, Belloli EA, Rosenbluth MJ, Choi Y, Danese S, Flaherty KR, Martinez FJ. The Clinical Utility Of A Genomic Diagnostic Test In Differentiating Usual Interstitial Pneumonia from Other Interstitial Lung Disease Pathologies. *2016 ATS Internal National Conference*. *Am J Respir Crit Care Med* 2016; 193:A6227.
2. **Wu X**, Burger A. Emerging Risk Factors for Pyogenic Streptococcus Anginosus Infections: A Review of 25 Cases. *SHM Annual Meeting 2014*. Society of Hospital Medicine. Las Vegas, NV. 2014.
3. Lee PM, Lee C, Rattner P, **Wu X**, Gershengorn H, Acquah S. Intraosseous versus central venous catheter utilization and performance during inpatient medical emergencies. *Society of Critical Care Medicine Annual Congress*. SCCM. San Juan, PR. 2013.
4. **Wu X**, Parvez B. Nursing Staff Adherence to Hand Hygiene Protocol in a Regional Perinatal Center. *Eastern Society for Pediatric Research*. May 2009

ORAL PRESENTATIONS

1. Molecular Markers for Idiopathic Pulmonary Fibrosis Diagnosis and Therapy. *Pulmonary Grand Rounds*. Albert Einstein College of Medicine. Feb 2017. New York, NY.
2. The Clinical Utility Of A Genomic Diagnostic Test In Differentiating Usual Interstitial Pneumonia from Other Interstitial Lung Disease Pathologies. *Respiratory Effectiveness Group*. April 2016. Lyon, France.
3. The Clinical Utility Of A Genomic Diagnostic Test In Differentiating Usual Interstitial Pneumonia from Other Interstitial Lung Disease Pathologies. *First Joint Weill Cornell/NHLI Imperial College Academic Meeting*. Sep 2016. London, UK
4. Nursing Staff Adherence to Hand Hygiene Protocol in a Regional Perinatal Center. *Eastern Society for Pediatric Research*. May 2009

HONORS/AWARDS

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| 2017-2018 | Research Grant Award , Stony Wold-Herbert Foundation |
| 2017 | Finalist , Pulmonary Fibrosis Foundation I.M. Rosenzweig Junior Investigator Award |
| 2016 | Finalist , Respiratory Disease Young Investigators' Forum |
| 2016 | Abstract Scholarship , American Thoracic Society Conference 2016. |
| 2016 | 1st Place , New York Intercity Fellows Symposium |
| 2015 | 1st Place , New York State Thoracic Society Annual Meeting Poster Competition |
| 2014 | Ira B. Cohen Award for Most Outstanding Medical House Officer |