




## Third Year Fellows (2017-2020)

	<p><b>Brittany Gary, M.D.</b> <b>BA:</b> University of Southern California <b>MD:</b> University of Pittsburgh School of Medicine <b>Residency:</b> Albert Einstein College of Medicine – Montefiore</p> <p><a href="#">Research Profile and Publications</a></p>
	<p><b>Jamuna Krishnan, M.D.</b> <b>BS:</b> University of Michigan <b>MD:</b> University of Michigan Medical School <b>Residency:</b> NewYork-Presbyterian Hospital/Weill Cornell Medicine</p> <p><a href="#">Research Profile and Publications</a></p>
	<p><b>Christopher Parkhurst, M.D., Ph.D.</b> <b>BS:</b> Cornell University <b>MD, PhD:</b> NYU School of Medicine <b>Residency:</b> NewYork-Presbyterian Hospital/Weill Cornell Medical Center</p> <p><a href="#">Research Profile and Publications</a></p>



## **Brittany Gary, M.D.**

### **Research Interests**

My research is focused on the pathogenesis and treatment of pulmonary fibrosis. Pulmonary fibrosis is characterized by excessive collagen and extracellular matrix deposition in the lung leading to destruction of normal lung architecture, disruption of lung function, and ultimately death.

While the pathogenesis of pulmonary fibrosis is not fully understood, there are multiple known pathways which stimulate the overproduction of collagen and ECM in the lung. Up to this point, therapies which have targeted only one or two of these pathways have been only minimally effective in

treating the disease and do not increase survival or provide a cure.

Using both in vitro and in vivo techniques, I am investigating a common downstream target in the collagen biosynthesis pathway to ameliorate the overproduction of collagen and halt the progression of disease.

**Mentors:** Randi Silver, Ph.D., Robert Kaner, M.D., Fernando Martinez, M.D.

### **Publications, Talks, and Awards**

#### **ABSTRACTS**

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1. **Gary B**, Savage A, Summers B, Silver RB. Collagen prolyl 4-hydroxylase as a therapeutic target in idiopathic pulmonary fibrosis. *Accepted for presentation at the American Thoracic Society International Conference, Dallas, TX (May 2019).*

#### **HONORS/AWARDS**

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2018 New York Presbyterian/Weill Cornell Graduate Staff of the Month, June



## **Jamuna Krishnan, M.D.**

### **Research Interests**

Clinical and health services COPD research

**Mentors:** Monika Safford, M.D. and Fernando J. Martinez, M.D.

### **Publications, Talks, and Awards**

#### **PUBLICATIONS**

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1. **Krishnan JK**, Martinez FJ. Lung function trajectories and chronic obstructive pulmonary disease: current understanding and knowledge gaps. *Curr Opin Pulm Med*. 2018 Mar; 24(2): 124-129
2. **Krishnan JK**, Zappetti, D. IMPACT Trial: Triple Versus Dual Therapy Results in Decreased Rate of Exacerbations. *Clinical Pulmonary Medicine*. 25(5): 195-196
3. **Krishnan JK**, Voelker H, Connett JE, Niewoehner DE, Albert RK, Scanlon PD, Criner GJ, Dransfield MT, Han MK, Martinez FJ. Effect of Daily Azithromycin Therapy and Adherence on Readmission Risk in Chronic Obstructive Pulmonary Disease. *European Respiratory Journal* 2019 Mar 18; 53(5)

#### **ABSTRACTS**

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1. **Krishnan JK**, Cruz N, Plataki M, Wu X. Extranodal Marginal Zone Lymphoma Resulting in the Deposition of Amyloid in the Lung and Pleura. Poster presented at the New York State Thoracic Society Conference, Westchester, NY 2018.
2. **Krishnan JK**, Hayward B. Infliximab Associated Shrinking Lung Syndrome. Poster presented at the American Thoracic Society Conference, Dallas TX 2019.



## **Christopher Parkhurst, M.D., Ph.D.**

### **Research Interests**

My overall research is aimed at understanding how inflammatory changes throughout the body impact the central nervous system, with a specific interest in deciphering the mechanisms that underlie sepsis-associated encephalopathy and cognitive dysfunction. To this end I am studying how 1) animal models of sepsis, and 2) perturbations of the gut-brain axis, alter neural circuits, synapses, and ultimately behavior and cognition.

**Mentors:** David Artis Ph.D., Conor Liston, M.D., Ph.D., Fernando Martinez, M.D.

### **Publications, Talks, and Awards**

#### **PUBLICATIONS**

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1. **Christopher N. Parkhurst**, Kapil Rajwani, Navneet Narula, David Weir. Acute Hypoxic Respiratory Failure and Diffuse Alveolar Hemorrhage Due to Intramuscular Injection of an Oil-Based Cosmetic Substance. Poster presented at American Thoracic Society International Conference, San Diego, CA 2018.