



Gerstner Sloan Kettering  
Graduate School of Biomedical Sciences

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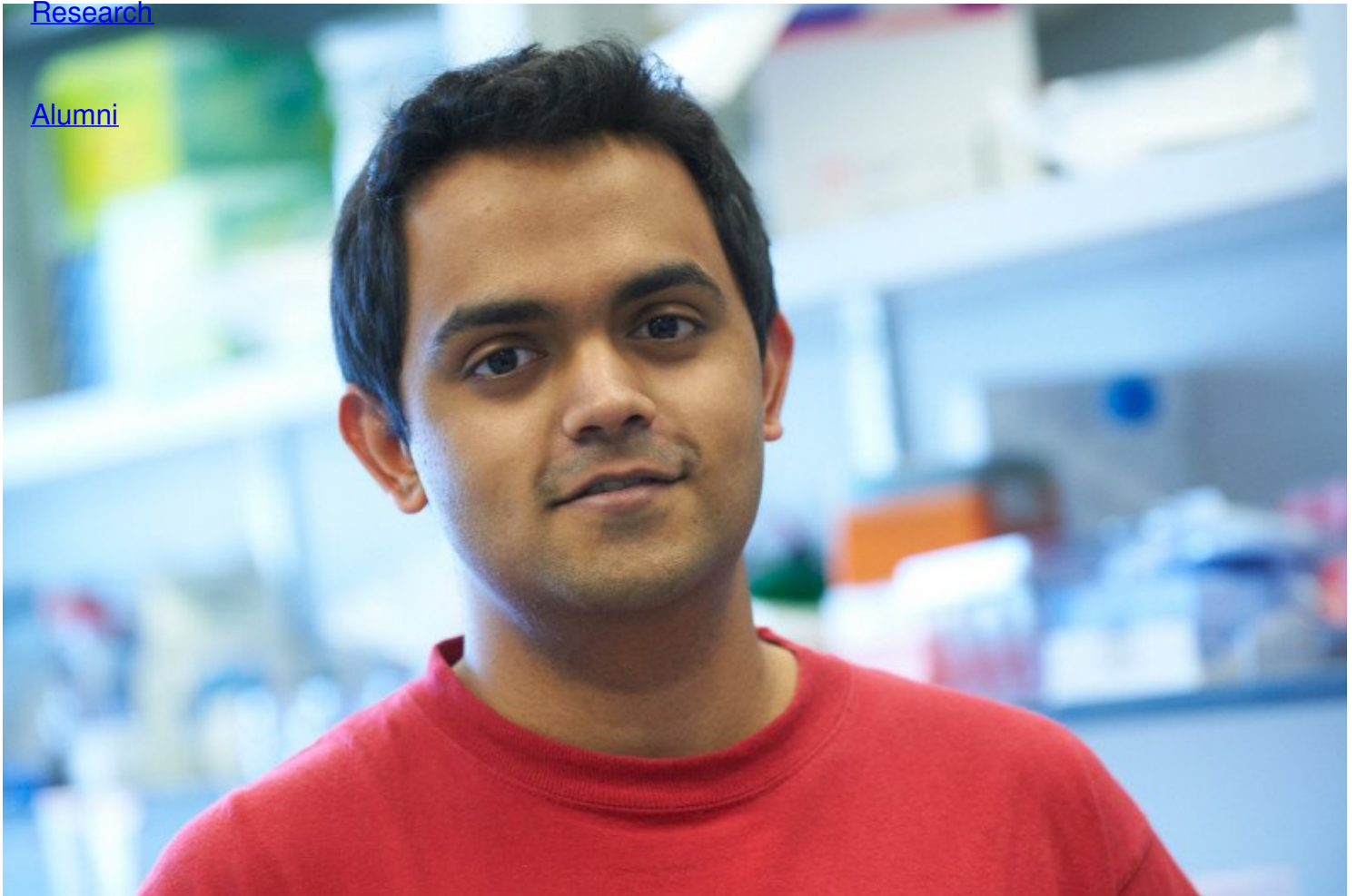
[The Xuejun Jiang Lab](#)  
[Admissions](#)

## [Cancer Biology](#) **Prashant Monian, PhD**

[Cancer Engineering](#) Principal Scientist at Wave Life Sciences, Boston, MA

[Research](#)

[Alumni](#)



### **Dissertation**

[Mechanisms and Regulation of Apoptotic and Ferroptotic Programmed Cell Death \(2016\)](#)

### **Mentor**

[Xuejun Jiang, PhD](#)

**Start Year**

2009

**End Year**

2017

**Education**

University of Georgia

Science drives us to keep expanding on what we know and never stay stagnant. In my research, I am trying to understand the mechanisms behind different forms of cell death. As a PhD, you need to be adventurous in trying out labs that work on things that may be completely new to you. Don't pick a lab just because they're working on something familiar to you. I chose Gerstner Sloan Kettering because it offered me an exciting new program and a great location in New York City. I like the ease of getting around, the energy, and the beautiful winters.

**Fellowships**

Robert B. Catell Fellowship (2010-2011)

## Publications

[Gao M, Monian P, Pan Q, Zhang W, Xiang J, Jiang X. \(2016\) Ferroptosis is an autophagic cell death process. \*Cell Res.\*, 2016, 26, 1021-32. PMCID: PMC5034113](#)

[Monian P, Jiang X. \(2016\) The Cellular Apoptosis Susceptibility Protein \(CAS\) Promotes Tumor Necrosis Factor-related Apoptosis-inducing Ligand \(TRAIL\)-induced Apoptosis and Cell Proliferation. \*J Biol Chem.\*, 291, 2379-88. PMCID: PMC4732220.](#)

[Gao M, Monian P, Jiang X. \(2015\) Metabolism and iron signaling in ferroptotic cell death. \*Oncotarget\*, 6, 35145-6.](#)

[Gao M, Monian P, Quadri N, Ramasamy R, Jiang X. \(2015\) Glutaminolysis and Transferrin Regulate Ferroptosis. \*Mol Cell\*, 59, 298-308. PMCID: PMC4506736.](#)

[Will M, Qin AC, Toy W, Yao Z, Rodrik-Outmezguine V, Schneider C, Huang X, Monian P, Jiang X, de Stanchina E, Baselga J, Liu N, Chandarlapaty S, Rosen N. \(2014\) Rapid induction of apoptosis by PI3K inhibitors is dependent upon their transient inhibition of RAS-ERK signaling. \*Cancer Discov.\*, 4, 334-47. PMCID: PMC4049524.](#)

[Monian P, Jiang X. \(2012\) Clearing the final hurdles to mitochondrial apoptosis: regulation post cytochrome C release. \*Exp Oncol.\*, 34, 185-91.](#)

[Peterson B, Stovall K, Monian P, Franklin JL, Cummings BS. \(2008\) Alterations in phospholipid and fatty acid lipid profiles in primary neocortical cells during oxidant-induced cell injury. \*Chem Biol Interact.\*, 174, 163-76.](#)



[View a full listing of Prashant Monian's journal articles.](#)

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