Stanford

Gita Chu Abhiraman

- MD Student, expected graduation Spring 2024
- Ph.D. Student in Immunology, admitted Autumn 2020
- MSTP Student

Bio

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Gita Abhiraman is an MD/PhD Candidate at Stanford. She completed her PhD research in Immunology advised by Dr. Christopher Garcia, where she studied cytokine signaling, immune receptor structure, and protein engineering. Gita completed her bachelor's degree in Physics, with a focus in Biophysics, at Harvard University. She previously studied tumor-immune dynamics and helped to engineer the bacterial enzyme sortase for live cell-tracking applications, under the mentorship of Dr. Stephanie Dougan at the Dana-Farber Cancer Institute.

HONORS AND AWARDS

- Hertz Fellow, The Fannie and John Hertz Foundation (2021)

Publications

PUBLICATIONS

- **Overcoming lung cancer immunotherapy resistance by combining non-toxic variants of IL-12 and IL-2.** *JCI insight*
  Horton, B. L., D'Souza, A. D., Zagorulya, M., McCreery, C. V., Abhiraman, G. C., Picton, L. K., Sheen, A., Agarwal, Y., Momin, N., Wittrup, K. D., White, F. M., Garcia, K. C., Spranger, et al
  2023

- **A structural blueprint for interleukin-21 signal modulation.** *Cell reports*
  Abhiraman, G. C., Bruun, T. U., Caveney, N. A., Su, L. L., Saxton, R. A., Yin, Q., Tang, S., Davis, M. M., Jude, K. M., Garcia, K. C.
  2023; 42 (6): 112657

- **Structure-based decoupling of the pro- and anti-inflammatory functions of interleukin-10.** *Science (New York, N.Y.)*
  Saxton, R. A., Tsutsumi, N., Su, L. L., Abhiraman, G. C., Mohan, K., Henneberg, L. T., Aduri, N. G., Gati, C., Garcia, K. C.
  2021; 371 (6535)

- **Generation of Ca2+-independent sortase A mutants with enhanced activity for protein and cell surface labeling** *PLOS ONE*
  Jeong, H., Abhiraman, G. C., Story, C. M., Ingram, J. R., Dougan, S. K.
  2017; 12 (12): e0189068