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Emily C. Casey, PhD

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Dissertation

Reinventing the mouse wheel: A new mouse for the more accurate pre-clinical study of therapeutic antibodies for patients with cancer (2017)

Mentor

David A. Scheinberg, MD, PhD

Start Year

2011

End Year

2017

Education

BS, Cornell University

Science is constantly moving forward. It is never stagnant, and it pushes the boundaries of what we know and believe every second of every day. Being part of that is an amazing thing. In addition to my passion for science, I knew I wanted to acquire the skill set required to be a PhD. The analytical and critical-thinking skills you learn throughout your PhD education — through your mentor and peers and the obstacles you face every day in the lab — allow you to pursue any career option you want after graduate school. And at Gerstner Sloan Kettering, the program is like no other graduate course available. Its condensed, intensive setup allows students to learn all the basics necessary to begin a PhD in just under a year.

Fellowships

Ruth L. Kirschstein Predoctoral Individual National Research Service Award (NIH F31) (2015-2017)

Geoffrey Beene Graduate Student Fellowship (2012-2013)

Publications

Casey E, Bournazos S, Mo G, Mondello P, Tan KS, Ravetch JV, Scheinberg DA. (2018). A new mouse expressing human Fcγ receptors to better predict therapeutic efficacy of human anti-cancer antibodies. *Leukemia*. 32, 547-549. PMCID: PMC5803448

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Villa, C., Dao, T., Ahearn, I., Fehrenbacher, N., Casey, E., Rey, D., Korontsvit, T., Zakhaleva, V., Batt, C., Philips, M., and Scheinberg, D. (2011) Single-walled carbon nanotubes deliver peptide antigen into dendritic cells and enhance IgG responses to tumor-associated antigens. *ACS Nano*, 5, 5300-5311. PMID: 21682329; PMCID: PMC3143710.

Han L, Witmer PD, Casey E, Valle D, Sukumar S. (2007) DNA methylation regulates MicroRNA expression. (2007) *Cancer Biol Ther.*, 6, 1284-8.

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