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Memorial Sloan Kettering  
Cancer Center

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## [Education & Training](#) **Emily C. Casey, PhD**

Principal Scientific Communication Lead at Genentech, San Francisco, CA

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### **Email**

[caseye@sloankettering.edu](mailto:caseye@sloankettering.edu)

### **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. PMID: PMC5803448.](#)

[Thorek DL, Watson PA, Lee SG, Ku AT, Bournazos S, Braun K, Kim K, Sjöström K, Doran MG, Lamminmäki U, Santos E, Veach D, Turkecul M, Casey E, Lewis JS, Abou DS, van Voss MR, Scardino PT, Strand SE, Alpaugh ML, Scher HI, Lilja H, Larson SM, Ulmert D. \(2016\) Internalization of secreted antigen-targeted antibodies by the neonatal Fc receptor for precision imaging of the androgen receptor axis. \*Sci Transl Med\*. 8, 367ra167.](#)

[Dubrovsky L, Brea EJ, Pankov D, Casey E, Dao T, Liu C, Scheinberg DA. \(2016\) Mechanisms of leukemia resistance to antibody dependent cellular cytotoxicity. \*Oncoimmunology\* 5, e1211221. PMID: PMC5048777 \[Available on 2017-08-03\].](#)

[Chang AY, Gejman RS, Brea EJ, Oh CY, Mathias MD, Pankov D, Casey E, Dao T, Scheinberg DA. \(2016\). Opportunities and challenges for TCR mimic antibodies in cancer therapy. \*Expert Opin Biol Ther\*. 16, 979-87. PMID: PMC4936943 \[Available on 2017-08-01\].](#)

[Dubrovsky L, Dao T, Gejman RS, Brea EJ, Chang AY, Oh CY, Casey E, Pankov D, Scheinberg DA. \(2015\) T cell receptor mimic antibodies for cancer therapy. \*Oncoimmunology\* 5, e1049803. PMID: PMC4760335](#)

[Veomett, N., Dao, T., Liu, H., Xiang, J., Pankov, D., Dubrovsky, L., Whitten, J., Park, S., Korontsvit, T., Zakhaleva, V., Casey, E., Curcio, M., Kharas, M., O'Reilly, R., Liu, C., and Scheinberg, D. \(2014\) Therapeutic Efficacy of an Fc-Enhanced TCR-Like Antibody to the Intracellular WT1 Oncoprotein. \*Clin Cancer Res\*. 20, OF1-OF11. PMID: 24850840.](#)

[Dao, T., Yan, S., Veomett, N., Pankov, D., Zhou, L., Korontsvit, T., Scott, A., Whitten, J., Maslak, P., Casey, E., Tan, T., Liu, H., Zakhaleva, V., Curcio, M., Dubrovina, E., O'Reilly, R., Liu, C., and Scheinberg, D. \(2013\) Targeting the intracellular WT1 oncogene product with a therapeutic human antibody. \*Sci Transl Med\*, 5, 1-11. PMID: 23486779; PMID: PMC3963696.](#)

[Mulvey, J., Villa, C., McDevitt, M., Escorcía, F., Casey, E., and Scheinberg, D. \(2013\) Self-assembly of carbon nanotubes and antibodies on tumours for targeted amplified delivery. \*Nat Nanotechnol\*, 8, 763-771. PMID: 24077028; PMID: PMC3798027.](#)

[Villa, C., Dao, T., Ahearn, I., Fehrenbacher, N., Casey, E., Rey, D., Korontsvit, T., Zakhaleva, V., Batt, C., Phillips, 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; PMID: PMC3143710.](#)

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

[View a full listing of Emily C. Casey's journal articles.](#)

