



Emily Hamilton

Ph.D. Student in Cancer Biology, admitted Autumn 2016

Bio

EDUCATION AND CERTIFICATIONS

- BA, Columbia University , Neuroscience & Behavior (2013)

STANFORD ADVISORS

- Ash Alizadeh, Doctoral Dissertation Co-Advisor (AC)
- Maximilian Diehn, Doctoral Dissertation Advisor (AC)

Publications

PUBLICATIONS

- **Integrating genomic features for non-invasive early lung cancer detection** *NATURE*
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C., Hui, A. B., Jin, et al
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- **Circulating tumor DNA analysis for detection of minimal residual disease after chemoradiotherapy for localized esophageal cancer.** *Gastroenterology*
Azad, T. D., Chaudhuri, A. A., Fang, P., Qiao, Y., Esfahani, M. S., Chabon, J. J., Hamilton, E. G., Yang, Y. D., Lovejoy, A., Newman, A. M., Kurtz, D. M., Jin, M., Schroers-Martin, et al
2019
- **Distinct Chromatin Accessibility Profiles of Lymphoma Subtypes Revealed By Targeted Cell Free DNA Profiling**
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- **Polybrominated diphenyl ethers (PBDEs) and hydroxylated PBDE metabolites (OH-PBDEs) in maternal and fetal tissues, and associations with fetal cytochrome P450 gene expression.** *Environment international*
Zota, A. R., Mitro, S. D., Robinson, J. F., Hamilton, E. G., Park, J. S., Parry, E., Zoeller, R. T., Woodruff, T. J.
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- **Transcriptional Dynamics of Cultured Human Villous Cytotrophoblasts.** *Endocrinology*
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- **An improved ATAC-seq protocol reduces background and enables interrogation of frozen tissues.** *Nature methods*
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2017
- **DNA Methylation and Somatic Mutations Converge on the Cell Cycle and Define Similar Evolutionary Histories in Brain Tumors** *CANCER CELL*
Mazor, T., Pankov, A., Johnson, B. E., Hong, C., Hamilton, E. G., Bell, R. J., Smirnov, I. V., Reis, G. F., Phillips, J. J., Barnes, M. J., Idbaih, A., Alentorn, A., Kloezeman, et al

