

- **Name:** Craig Wilen
- **Current Position:** Assistant Professor,
Departments of Laboratory Medicine and Immunobiology, Yale University
- **Country:** USA
- **Educational Background:**
 - B.A. Washington University in St. Louis (2006)
 - Ph.D. University of Pennsylvania Perelman School of Medicine (Cell and Molecular Biology) (2011)
 - M.D. University of Pennsylvania Perelman School of Medicine, (2013)
- **Professional Experience:**
 - Medical Director, Immune Monitoring Core, Yale University
 - Attending Physician, Clinical Chemistry, Yale New Haven Hospital
- **Professional Organizations:**
 - American Society for Virology (ASV)
 - American Association for the Advancement of Science (AAAS)
 - Academy of Clinical Laboratory Physicians and Scientists (ACLPS)
- **Main Scientific Publications:**

Genome-wide CRISPR Screens Reveal Host Factors Critical for SARS-CoV-2 Infection.
Wei J, Alfajaro MM, DeWeirdt PC, Hanna RE, Lu-Culligan WJ, Cai WL, Strine MS, Zhang SM, Graziano VR, Schmitz CO, Chen JS, Mankowski MC, Filler RB, Ravindra NG, Gasque V, de Miguel FJ, Patil A, Chen H, Oguntuyo KY, Abriola L, Surovtseva YV, Orchard RC, Lee B, Lindenbach BD, Politi K, van Dijk D, Kadoch C, Simon MD, Yan Q, *Doench JG, ***Wilen CB**. *Cell*. 2021

Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium identifies target cells, alterations in gene expression, and cell state changes.
Ravindra NG, Alfajaro MM, Gasque V, Huston NC, Wan H, Szigeti-Buck K, Yasumoto Y, Greaney AM, Habet V, Chow RD, Chen JS, Wei J, Filler RB, Wang B, Wang G, Niklason LE, Montgomery RR, Eisenbarth SC, Chen S, Williams A, Iwasaki A, Horvath TL, Foxman EF, Pierce RW, Pyle AM, *van Dijk D, ***Wilen CB**. *PLoS Bioogy*. 2021

Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions.
*Flynn RA, Belk JA, Qi Y, Yasumoto Y, Wei J, Alfajaro MM, Shi Q, Mumbach MR, Limaye A, DeWeirdt PC, Schmitz CO, Parker KR, Woo E, Chang HY, Horvath TL, Carette JE, Bertozzi CR, ***Wilen CB**, *Satpathy AT. *Cell*. 2021

Tropism for tuft cells determines immune promotion of norovirus pathogenesis.
Wilen CB, Lee S, Hsieh LL, Orchard RC, Desai C, Hykes BL Jr, McAllaster MR, Balce DR, Feehley T, Brestoff JR, Hickey CA, Yokoyama CC, Wang YT, MacDuff DA, Kreamalmayer D, Howitt MR, Neil JA, Cadwell K, Allen PM, Handley SA, van Lookeren Campagne M, Baldridge MT, Virgin HW. *Science*. 2018