

# Stanford

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## Arjun Rustagi

- Postdoctoral Medical Fellow, Infectious Diseases
- Fellow in Medicine

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#### PROFESSIONAL EDUCATION

- Fellow, Stanford University , Infectious Diseases
- Residency, Stanford University , Internal Medicine (2018)
- Internship, Stanford University , Internal Medicine (2016)
- Doctor of Medicine with Honors, University of Washington School of Medicine (2015)
- Doctor of Philosophy, University of Washington, Department of Global Health, Pathobiology program , Innate antiviral immunity to HIV-1 (2013)
- Bachelor of Science, Stanford University , Biological Sciences (2005)

### Publications

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#### PUBLICATIONS

- **Progenitor identification and SARS-CoV-2 infection in human distal lung organoids.** *Nature*  
Salahudeen, A. A., Choi, S. S., Rustagi, A., Zhu, J., van Unen, V., de la O, S. M., Flynn, R. A., Margalef-Catala, M., Santos, A. J., Ju, J., Batish, A., Usui, T., Zheng, et al  
2020
- **A single-cell atlas of the peripheral immune response in patients with severe COVID-19.** *Nature medicine*  
Wilk, A. J., Rustagi, A., Zhao, N. Q., Roque, J., Martinez-Colon, G. J., McKechnie, J. L., Ivison, G. T., Ranganath, T., Vergara, R., Hollis, T., Simpson, L. J., Grant, P., Subramanian, et al  
2020
- **Innate Antiviral Immune Signaling, Viral Evasion and Modulation by HIV-1** *JOURNAL OF MOLECULAR BIOLOGY*  
Rustagi, A., Gale, M.  
2014; 426 (6): 1161-1177
- **Two new monoclonal antibodies for biochemical and flow cytometric analyses of human interferon regulatory factor-3 activation, turnover, and depletion** *METHODS*  
Rustagi, A., Doehle, B. P., McElrath, M. J., Gale, M.  
2013; 59 (2): 225-232
- **Occurrence and Timing of Subsequent Severe Acute Respiratory Syndrome Coronavirus 2 Reverse-transcription Polymerase Chain Reaction Positivity Among Initially Negative Patients.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
Long, D. R., Gombar, S., Hogan, C. A., Greninger, A. L., O'Reilly-Shah, V., Bryson-Cahn, C., Stevens, B., Rustagi, A., Jerome, K. R., Kong, C. S., Zehnder, J., Shah, N. H., Weiss, et al  
2021; 72 (2): 323–26
- **Profiling of the Human Natural Killer Cell Receptor-Ligand Repertoire.** *Journal of visualized experiments : JoVE*  
Vendrame, E., McKechnie, J. L., Ranganath, T., Zhao, N. Q., Rustagi, A., Vergara, R., Ivison, G. T., Kronstad, L. M., Simpson, L. J., Blish, C. A.  
2020

- **Evaluating the Utility of UV Lamps to Mitigate the Spread of Pathogens in the ICU** *APPLIED SCIENCES-BASEL*  
Gostine, A., Gostine, D., Short, J., Rustagi, A., Cadnum, J., Donskey, C., Angelotti, T.  
2020; 10 (18)
- **Cytokine profile in plasma of severe COVID-19 does not differ from ARDS and sepsis.** *JCI insight*  
Wilson, J. G., Simpson, L. J., Ferreira, A., Rustagi, A., Roque, J. A., Asuni, A., Ranganath, T., Grant, P. M., Subramanian, A. K., Rosenberg-Hasson, Y., Maecker, H., Holmes, S., Levitt, et al  
2020
- **Defining the features and duration of antibody responses to SARS-CoV-2 infection associated with disease severity and outcome.** *Science immunology*  
Röltgen, K., Powell, A. E., Wirz, O. F., Stevens, B. A., Hogan, C. A., Najeeb, J., Hunter, M., Wang, H., Sahoo, M. K., Huang, C., Yamamoto, F., Manohar, M., Manalac, et al  
2020; 5 (54)
- **Human B Cell Clonal Expansion and Convergent Antibody Responses to SARS-CoV-2.** *Cell host & microbe*  
Nielsen, S. C., Yang, F., Jackson, K. J., Hoh, R. A., Röltgen, K., Jean, G. H., Stevens, B. A., Lee, J. Y., Rustagi, A., Rogers, A. J., Powell, A. E., Hunter, M., Najeeb, et al  
2020
- **Erethothecium coryli bloodstream infection in a patient with acute myeloid leukemia: first case report of human infection** *DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE*  
Multani, A., Rustagi, A., Epstein, D. J., Gomez, C. A., Budvytiene, I., Banaei, N., Brown, J. M., Liu, A. Y.  
2019; 95 (1): 77-79
- **Deltex2 represses MyoD expression and inhibits myogenic differentiation by acting as a negative regulator of Jmjd1c** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
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2017; 114 (15): E3071-E3080
- **Vpu Mediates Depletion of Interferon Regulatory Factor 3 during HIV Infection by a Lysosome-Dependent Mechanism** *JOURNAL OF VIROLOGY*  
Doehle, B. P., Chang, K., Rustagi, A., McNevin, J., McElrath, M. J., Gale, M.  
2012; 86 (16): 8367-8374
- **HIV infection of dendritic cells subverts the IFN induction pathway via IRF-1 and inhibits type 1 IFN production** *BLOOD*  
Harman, A. N., Lai, J., Turville, S., Samarajiwa, S., Gray, L., Marsden, V., Mercier, S., Jones, K., Nasr, N., Rustagi, A., Cumming, H., Donaghy, H., Mak, et al  
2011; 118 (2): 298-308
- **Enhanced gene repair mediated by methyl-CpG-modified single-stranded oligonucleotides** *NUCLEIC ACIDS RESEARCH*  
Bertoni, C., Rustagi, A., Rando, T. A.  
2009; 37 (22): 7468-7482
- **Enhanced Level of Gene Correction Mediated by Oligonucleotides Containing CpG Modification in the mdx Mouse Model for Duchenne Muscular Dystrophy**  
Bertoni, C., Rustagi, A., Rando, T. A.  
NATURE PUBLISHING GROUP.2006: S221
- **An inwardly rectifying potassium channel in apical membrane of Calu-3 cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Wu, J. V., Krouse, M. E., Rustagi, A., Joo, N. S., Wine, J. J.  
2004; 279 (45): 46558-46565
- **Regulation of antiprotease and antimicrobial protein secretion by airway submucosal gland serous cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Joo, N. S., Lee, D. J., Wings, K. M., Rustagi, A., Wine, J. J.  
2004; 279 (37): 38854-38860