



## Angela Rogers

Professor of Medicine (Pulmonary and Critical Care)  
Medicine - Pulmonary, Allergy & Critical Care Medicine

### CLINICAL OFFICE (PRIMARY)

- **Pulmonary Clinic**

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### Bio

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#### BIO

Dr. Rogers is an expert in Pulmonary and Critical Care Medicine and works as a physician in the Intensive Care Unit. She has a translational research focus on sepsis and Acute Respiratory Distress Syndrome (ARDS). She uses genomic data from patient samples to both understand severity of illness and prognosis, and to help design clinical trials that target the patients who could most benefit from emerging therapies. She is very active in mentoring residents and fellows in ICU research and clinical medicine.

#### CLINICAL FOCUS

- Critical Care
- Critical Care Medicine

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Pulmonary, Allergy & Critical Care Medicine
- Member, Bio-X
- Member, Cardiovascular Institute

#### ADMINISTRATIVE APPOINTMENTS

- Associate Director, Stanford Pulmonary and Critical Care Fellowship, (2015- present)
- Associate Program Director, Stanford Internal Medicine Residency, (2015- present)

#### HONORS AND AWARDS

- Physician of the Year, Stanford Health Care (2021)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Committee Chair-Elect, Allergy, Immunology, and Inflammation Assembly, American Thoracic Society, (2022 - present)

#### PROFESSIONAL EDUCATION

- Board Certification: Pulmonary Disease, American Board of Internal Medicine (2006)

- Fellowship: Massachusetts General Hosp Harvard Med School (2009) MA
- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2007)
- Residency: Brigham and Women's Hospital Harvard Medical School (2004) MA
- Internship: Brigham and Women's Hospital Harvard Medical School (2002) MA
- Medical Education: Harvard Medical School (2001) MA

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

We use genetics and genomics methodologies to identify novel ARDS pathobiology; we hope that this will enable identification of novel biomarkers, phenotypes, and treatments for the disease. We are building a plasma biobank of critically ill patients at Stanford, with a particular focus on metabolic changes in critical illness.

### CLINICAL TRIALS

- KOURAGE, Recruiting
- The APS Phenotyping Study, Recruiting
- ACTIV-3: Therapeutics for Inpatients With COVID-19, Not Recruiting
- ARREST, Not Recruiting
- CLOVERS, Not Recruiting
- Vaccination for Recovered Inpatients With COVID-19 (VATICO), Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Caitlin Contag, Joseph Rathkey

## Publications

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### PUBLICATIONS

- **Molecular endotypes predict differential response to immunosuppressant therapy in non-IPF interstitial lung disease.** *American journal of respiratory and critical care medicine*  
Maddali, M. V., Pugashetti, J. V., Pienkos, S. M., Moore, A. R., Konkol, S. B., Kim, J. S., Ma, S. F., Newton, C. A., Garcia, C. K., Adegunsoye, A., Streck, M. E., Chen, C. H., Linderholm, et al  
2026
- **A consensus immune dysregulation framework for sepsis and critical illnesses.** *Nature medicine*  
Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Maddali, M. V., Levitt, J. E., van der Poll, T., Lu, J., Bouma, H. R., Scicluna, B. P., Giamarellos-Bourboulis, E. J., Kotsaki, A., Martin-Loeches, et al  
2025
- **Elevated Plasma Interleukin-18 Identifies High-Risk Acute Respiratory Distress Syndrome Patients not Distinguished by Prior Latent Class Analyses Using Traditional Inflammatory Cytokines: A Retrospective Analysis of Two Randomized Clinical Trials.** *Critical care medicine*  
Moore, A. R., Pienkos, S. M., Sinha, P., Guan, J., O'Kane, C. M., Levitt, J. E., Wilson, J. G., Shankar-Hari, M., Matthay, M. A., Calfee, C. S., Baron, R. M., McAuley, D. F., Rogers, et al  
2023
- **Evaluation of acebilustat, a selective inhibitor of leukotriene B4 biosynthesis, for treatment of outpatients with mild-moderate COVID-19 disease: A randomized, double-blind, placebo- controlled Phase 2 trial.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*

- Levitt, J. E., Hedlin, H., Duong, S., Lu, D., Lee, J., Bunning, B., Elkarra, N., Pinsky, B. A., Heffernan, E., Springman, E., Moss, R. B., Bonilla, H. F., Parsonnet, et al  
2023
- **The Association of Baseline Plasma SARS-CoV-2 Nucleocapsid Antigen Level and Outcomes in Patients Hospitalized With COVID-19.** *Annals of internal medicine*  
2022
  - **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
  - **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
  - **Association of Elevated Plasma Interleukin 18 Level With Increased Mortality in a Clinical Trial of Statin Treatment for Acute Respiratory Distress Syndrome.** *Critical care medicine*  
Rogers, A. J., Guan, J., Trtchounian, A., Hunninghake, G. M., Kaimal, R., Desai, M., Kozikowski, L., DeSouza, L., Mogan, S., Liu, K. D., Matthay, M. A., Steingrub, J., Wheeler, et al  
2019
  - **Profiling of ARDS Pulmonary Edema Fluid Identifies a Metabolically Distinct Subset.** *American journal of physiology. Lung cellular and molecular physiology*  
Rogers, A. J., Contrepois, K., Wu, M., Zheng, M., Peltz, G., Ware, L. B., Matthay, M. A.  
2017: ajplung 00438 2016-?
  - **Interferon stimulation and NKG2D expression drive enhanced natural killer cell antibody-dependent cellular cytotoxicity against viral infections.** *Journal of leukocyte biology*  
Chan, L., Pinedo, K., Yang, S., Blomkalns, A. L., Nadeau, K. C., Rogers, A. J., Blish, C. A.  
2026
  - **Machine learning models predict long COVID outcomes based on baseline clinical and immunologic factors.** *Communications medicine*  
Doni Jayavelu, N., Samaha, H., Wimalasena, S. T., Hoch, A., Gygi, J. P., Gabernet, G., Ozonoff, A., Liu, S., Milliren, C. E., Levy, O., Baden, L. R., Melamed, E., Ehrlich, et al  
2026; 6 (1): 1
  - **Drivers of prognosis and clinical trajectories differ between COVID and non-COVID acute hypoxic respiratory failure.** *PLoS one*  
Pienkos, S., Moore, A. R., Roque, J., Jensen, A., Pacheco-Navarro, A., Lebold, K. M., Parmer-Chow, C., Sanchez, P. A., Morin, H., O'Donnell, C., Ramaswamy, T., Collins, W., Wilson, et al  
2025; 20 (12): e0339604
  - **Longitudinal multi-omic signatures of ARDS and sepsis inflammatory phenotypes identify pathways associated with mortality.** *The Journal of clinical investigation*  
Alipanah-Lechner, N., Neyton, L., Sinha, P., Leroux, C., Bardillon, K., Carrillo, S. A., Chak, S., Chao, O., Hariharan, T., Hendrickson, C., Kangelaris, K., Langelier, C. R., Lee, et al  
2025
  - **Interferon-mediated NK cell activation increases cytolytic activity against T follicular helper cells and limits antibody response to SARS-CoV-2.** *Nature immunology*  
de Los Rios Kobara, I., Jayewickreme, R., Lee, M. J., Wilk, A. J., Blomkalns, A. L., Nadeau, K. C., Yang, S., Rogers, A. J., Blish, C. A.  
2025
  - **Type 2 immune responses are associated with less severe COVID-19 in a hospitalized cohort.** *The journal of allergy and clinical immunology. Global*  
Jayavelu, N. D., Qi, J., Milliren, C. E., Ozonoff, A., Liu, S., Levy, O., Baden, L. R., Melamed, E., McComsey, G. A., Cairns, C. B., Schaenman, J., Shaw, A. C., Hafler, et al  
2025; 4 (4): 100515

- **Dysregulated regulatory T cell response in immunosuppressed individuals is associated with increased inflammation in COVID-19 breakthrough infections**  
Chan, L., Pinedo, K., Stabile, M., Hamlin, R., Pienkos, S., Yang, S., Blomkalns, A. L., Nadeau, K., O'hara, R., Rogers, A. J., Pulendran, B., Agbor-Enoh, S., Blish, et al  
OXFORD UNIV PRESS.2025
- **Longitudinal multi-omic signatures of ARDS and sepsis inflammatory phenotypes identify key pathways associated with mortality.** *medRxiv : the preprint server for health sciences*  
Alipanah-Lechner, N., Neyton, L., Sinha, P., Leroux, C., Bardillon, K., Carrillo, S. A., Chak, S., Chao, O., Hariharan, T., Henrickson, C., Kangelaris, K., Langelier, C. R., Lee, et al  
2025
- **A Computable Electronic Health Record ARDS Classifier and the Association Between the MUC5B Promoter Polymorphism and ARDS in Critically Ill Adults.** *CHEST critical care*  
Kerchberger, V. E., McNeil, J. B., Zheng, N., Chang, D., Rosenberger, C. M., Rogers, A. J., Bastarache, J. A., Feng, Q., Wei, W. Q., Ware, L. B.  
2025; 3 (3)
- **Heterogeneity in association of myocardial injury and mortality in sepsis or acute respiratory distress syndrome by subphenotype: a retrospective study.** *Critical care (London, England)*  
Sanchez, P. A., Obeidalla, S., Kerchberger, V. E., Moore, A. R., Maddali, M. V., Kangelaris, K. N., Hendrickson, C. M., Evrard, B., Liu, K. D., Bastarache, J. A., Matthay, M. A., Rogers, A. J., Calfee, et al  
2025; 29 (1): 363
- **Research Priorities for Noninvasive Sampling of the Lower Respiratory Tract during Acute Respiratory Failure An Official American Thoracic Society Workshop Report** *ANNALS OF THE AMERICAN THORACIC SOCIETY*  
Bain, W., Sarma, A., Morales-Nebreda, L., Rizzo, A. N., Herron, M., Wright, S. W., Hagan, R. S., Vigeland, C. L., Mwizerwa, E., Pickens, C., Toth, S., Nonoyama, M., Cao, et al  
2025; 22 (8): 1101-1114
- **Plasma-Based Endotypes in Acute Respiratory Distress Syndrome Identify High-Risk Patients With Extrapulmonary Disease: Why Looking Outside the Lung Compartment Enriches for Nonpulmonary Morbidity and Mortality.** *Critical care medicine*  
Moore, A. R., Bhatraju, P. K., Rogers, A. J.  
2025
- **Can we predict the future of respiratory failure prediction?** *Critical care (London, England)*  
Pearce, A. K., Nemat, S., Goligher, E. C., Hough, C. L., Holder, A. L., Wardi, G., Yang, P., Boussina, A., Lyons, P. G., Sahetya, S., Malhotra, A., Rogers, A.  
2025; 29 (1): 253
- **An ultrasensitive method for detection of cell-free RNA.** *Nature*  
Nesselbush, M. C., Luca, B. A., Jeon, Y. J., Jabara, I., Meador, C. B., Garofalo, A., Binkley, M. S., Hui, A. B., van 't Erve, I., Xu, N., Shi, W. Y., Liu, K. J., Sugio, et al  
2025
- **SARS-Cov-2 vaccination strategies in hospitalized recovered COVID-19 patients: a randomized clinical trial (VATICO Trial).** *Scientific reports*  
Sábato, S., Benet, S., Rogers, A. J., Murray, T. A., Skeans, M., Mothe, B., Paredes, R., Mourad, A., Kiweewa, F., Kamel, D., Jain, M. K., Lutaakome, J., Nalubega, et al  
2025; 15 (1): 9882
- **Prior vaccination prevents overactivation of innate immune responses during COVID-19 breakthrough infection.** *Science translational medicine*  
Chan, L., Pinedo, K., Stabile, M. A., Hamlin, R. E., Pienkos, S. M., Ratnasiri, K., Yang, S., Blomkalns, A. L., Nadeau, K. C., Pulendran, B., O'Hara, R., Rogers, A. J., Holmes, et al  
2025; 17 (783): eadq1086
- **Host-microbe multiomic profiling identifies distinct COVID-19 immune dysregulation in solid organ transplant recipients.** *Nature communications*  
Pickering, H., Schaenman, J., Phan, H. V., Maguire, C., Tsitsiklis, A., Rouphael, N., Higueta, N. I., Atkinson, M. A., Brakenridge, S., Fung, M., Messer, W., Salehi-Rad, R., Altman, et al  
2025; 16 (1): 586

- **MULTI-COHORT ANALYSIS IDENTIFIES CONSENSUS SEPSIS CLUSTERS WITH PROGNOSTIC AND THERAPEUTIC RELEVANCE**  
Moore, A., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., van der Poll, T., Scicluna, B., Giamarellos-Bourboulis, E., Martin-Loeches, I., Rothman, R., Atreya, M., Moldawer, L., Marcela, K., Karvunidis, et al  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Oxygenation trajectories following inhaled nitric oxide in non-intubated and mechanically ventilated COVID-19 patients** *CHEST Critical Care*  
Ramaswamy, T. S., et al  
2025
- **SEVERE OR MILD TRANSCRIPTOMIC SCORE IS CONSERVED IN INFECTIOUS AND NONINFECTIOUS CRITICAL ILLNESS**  
Ganesan, A., Moore, A., Zheng, H., Freedman, M., Rogers, A., Khatri, P.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Fostamatinib for Hospitalized Adults With COVID-19 and Hypoxemia: A Randomized Clinical Trial.** *JAMA network open*  
Collins, S. P., Shotwell, M. S., Strich, J. R., Gibbs, K. W., de Wit, M., Files, D. C., Harkins, M., Hudock, K., Merck, L. H., Moskowitz, A., Apodaca, K. D., Barksdale, A., Safdar, et al  
2024; 7 (12): e2448215
- **International multi-cohort analysis identifies novel framework for quantifying immune dysregulation in critical illness: results of the SUBSPACE consortium.** *bioRxiv : the preprint server for biology*  
Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Maddali, M. V., Levitt, J. E., van der Poll, T., Scicluna, B. P., Giamarellos-Bourboulis, E. J., Kotsaki, A., Martin-Loeches, I., Garduno, A., Rothman, et al  
2024
- **Evaluation of the feasibility and efficacy of point-of-care antibody tests for biomarker guided management of COVID-19.** *The Journal of infectious diseases*  
Reilly, C., Mylonakis, E., Dewar, R., Young, B., Nordwall, J., Bhagani, S., Chia, P. Y., Davis, R., Files, C., Ginde, A. A., Hatlen, T., Helleberg, M., Hayanga, et al  
2024
- **Molecular Endotypes of Idiopathic Pulmonary Fibrosis: A Latent Class Analysis of Two Multicenter Observational Cohorts.** *American journal of respiratory and critical care medicine*  
Maddali, M. V., Moore, A. R., Sinha, P., Newton, C. A., Kim, J. S., Adegunsoye, A., Ma, S. F., Streck, M. E., Chen, C. H., Linderholm, A. L., Zemans, R. L., Moore, B. B., Wolters, et al  
2024
- **Association between emergency department disposition and mortality in patients with COVID-19 acute respiratory distress syndrome.** *Journal of the American College of Emergency Physicians open*  
Lebold, K. M., Moore, A. R., Sanchez, P. A., Pacheco-Navarro, A. E., O'Donnell, C., Roque, J., Parmer, C., Pienkos, S., Levitt, J., Collins, W. J., Rogers, A. J., Wilson, J. G.  
2024; 5 (3): e13192
- **Host-microbe multiomic profiling reveals age-dependent immune dysregulation associated with COVID-19 immunopathology.** *Science translational medicine*  
Phan, H. V., Tsitsiklis, A., Maguire, C. P., Haddad, E. K., Becker, P. M., Kim-Schulze, S., Lee, B., Chen, J., Hoch, A., Pickering, H., van Zalm, P., Altman, M. C., Augustine, et al  
2024; 16 (743): eadj5154
- **Viral and Host Factors Are Associated With Mortality in Hospitalized Patients With COVID-19.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
Aggarwal, N. R., Nordwall, J., Braun, D. L., Chung, L., Coslet, J., Der, T., Eriobu, N., Ginde, A. A., Hayanga, A. J., Highbarger, H., Holodniy, M., Horcajada, J. P., Jain, et al  
2024
- **The Plasma Lipidomic Landscape in Patients with Sepsis due to Community-acquired Pneumonia.** *American journal of respiratory and critical care medicine*  
Chouchane, O., Schuurman, A. R., Reijnders, T. D., Peters-Sengers, H., Butler, J. M., Uhel, F., Schultz, M. J., Bonten, M. J., Cremer, O. L., Calfee, C. S., Matthay, M. A., Langley, R. J., Alipanah-Lechner, et al  
2024

- **IgM N-glycosylation correlates with COVID-19 severity and rate of complement deposition.** *Nature communications*  
Haslund-Gourley, B. S., Woloszczuk, K., Hou, J., Connors, J., Cusimano, G., Bell, M., Taramangalam, B., Fourati, S., Mege, N., Bernui, M., Altman, M. C., Krammer, F., van Bakel, et al  
2024; 15 (1): 404
- **Features of acute COVID-19 associated with post-acute sequelae of SARS-CoV-2 phenotypes: results from the IMPACC study.** *Nature communications*  
Ozonoff, A., Jayavelu, N. D., Liu, S., Melamed, E., Milliren, C. E., Qi, J., Geng, L. N., McComsey, G. A., Cairns, C. B., Baden, L. R., Schaenman, J., Shaw, A. C., Samaha, et al  
2024; 15 (1): 216
- **Elevated ferritin, mediated by IL-18 is associated with systemic inflammation and mortality in acute respiratory distress syndrome (ARDS).** *Thorax*  
Mehta, P., Samanta, R. J., Wick, K., Coll, R. C., Mawhinney, T., McAleavey, P. G., Boyle, A. J., Conlon, J., Shankar-Hari, M., Rogers, A., Calfee, C. S., Matthay, M. A., Summers, et al  
2023
- **The transcriptional and phenotypic characteristics that define alveolar macrophage subsets in acute hypoxemic respiratory failure.** *Nature communications*  
Morrell, E. D., Holton, S. E., Lawrance, M., Orlov, M., Franklin, Z., Mitchem, M. A., DeBerg, H., Gersuk, V. H., Garay, A., Barnes, E., Liu, T., Peltan, I. D., Rogers, et al  
2023; 14 (1): 7443
- **Right Ventricular Dysfunction Patterns Among Patients with COVID-19 in the Intensive Care Unit - a Retrospective Cohort Analysis.** *Annals of the American Thoracic Society*  
Sanchez, P. A., O'Donnell, C. T., Francisco, N., Santana, E. J., Moore, A. R., Pacheco-Navarro, A., Roque, J., Lebold, K. M., Parmer, C. M., Pienkos, S. M., Celestin, B. E., Levitt, J. E., Collins, et al  
2023
- **Intravenous aivaptadil and remdesivir for treatment of COVID-19-associated hypoxaemic respiratory failure in the USA (TESICO): a randomised, placebo-controlled trial.** *The Lancet. Respiratory medicine*  
Brown, S. M., Barkauskas, C. E., Grund, B., Sharma, S., Phillips, A. N., Leither, L., Peltan, I. D., Lanspa, M., Gilstrap, D. L., Mourad, A., Lane, K., Beitler, J. R., Serra, et al  
2023
- **Multi-omic longitudinal study reveals immune correlates of clinical course among hospitalized COVID-19 patients.** *Cell reports. Medicine*  
Diray-Arce, J., Fourati, S., Doni Jayavelu, N., Patel, R., Maguire, C., Chang, A. C., Dandekar, R., Qi, J., Lee, B. H., van Zalm, P., Schroeder, A., Chen, E., Konstorum, et al  
2023: 101079
- **Effect of P2Y12 Inhibitors on Organ Support-Free Survival in Critically Ill Patients Hospitalized for COVID-19: A Randomized Clinical Trial.** *JAMA network open*  
Berger, J. S., Neal, M. D., Kornblith, L. Z., Gong, M. N., Reynolds, H. R., Cushman, M., Althouse, A. D., Lawler, P. R., McVerry, B. J., Kim, K. S., Baumann Kreuziger, L., Solomon, S. D., Kosiborod, et al  
2023; 6 (5): e2314428
- **Renin-Angiotensin System Modulation With Synthetic Angiotensin (1-7) and Angiotensin II Type 1 Receptor-Biased Ligand in Adults With COVID-19: Two Randomized Clinical Trials.** *JAMA*  
Self, W. H., Shotwell, M. S., Gibbs, K. W., de Wit, M., Files, D. C., Harkins, M., Hudock, K. M., Merck, L. H., Moskowitz, A., Apodaca, K. D., Barksdale, A., Safdar, B., Javaheri, et al  
2023; 329 (14): 1170-1182
- **Effect of total cholesterol and statin therapy on mortality in ARDS patients: a secondary analysis of the SAILS and HARP-2 trials.** *Critical care (London, England)*  
Pienkos, S. M., Moore, A. R., Guan, J., Levitt, J. E., Matthay, M. A., Baron, R. M., Conlon, J., McAuley, D. F., O'Kane, C. M., Rogers, A. J.  
2023; 27 (1): 126
- **Autoantibodies are highly prevalent in non-SARS-CoV-2 respiratory infections and critical illness.** *JCI insight*  
Feng, A., Yang, E. Y., Moore, A. R., Dhingra, S., Chang, S. E., Yin, X., Pi, R., Mack, E. K., Völkel, S., Geßner, R., Gündisch, M., Neubauer, A., Renz, et al  
2023; 8 (3)

- **Plasma metabolic profiling implicates dysregulated lipid metabolism and glycolytic shift in hyperinflammatory ARDS.** *American journal of physiology. Lung cellular and molecular physiology*  
Alipanah-Lechner, N., Neyton, L., Mick, E., Willmore, A., Leligdowicz, A., Contrepois, K., Jauregui, A., Zhuo, H., Hendrickson, C., Gomez, A., Sinha, P., Kangelaris, K. N., Liu, et al  
2023
- **The Metabolomics of Critical Illness.** *Handbook of experimental pharmacology*  
Pacheco-Navarro, A. E., Rogers, A. J.  
2022
- **Circulating N-formylmethionine and metabolic shift in critical illness: a multicohort metabolomics study.** *Critical care (London, England)*  
Sigurdsson, M. I., Kobayashi, H., Amrein, K., Nakahira, K., Rogers, A. J., Pinilla-Vera, M., Baron, R. M., Fredenburgh, L. E., Lasky-Su, J. A., Christopher, K. B.  
2022; 26 (1): 321
- **Using a 29-mRNA Host Response Classifier To Detect Bacterial Coinfections and Predict Outcomes in COVID-19 Patients Presenting to the Emergency Department.** *Microbiology spectrum*  
Ram-Mohan, N., Rogers, A. J., Blish, C. A., Nadeau, K. C., Zudock, E. J., Kim, D., Quinn, J. V., Sun, L., Liesenfeld, O., Yang, S.  
2022: e0230522
- **Tixagevimab-cilgavimab for treatment of patients hospitalised with COVID-19: a randomised, double-blind, phase 3 trial.** *LANCET RESPIRATORY MEDICINE*  
Holland, T. L., Ginde, A. A., Paredes, R., Murray, T. A., Engen, N., Grandits, G., Vekstein, A., Ivey, N., Mourad, A., Sandkovsky, U., Gottlieb, R. L., Berhe, M., Jain, et al  
2022; 10 (10): 972-984
- **Functional, imaging, and respiratory evaluation (FIRE) of patients post-hospitalization for COVID-19: protocol for a pilot observational study.** *Pilot and feasibility studies*  
Mayer, K. P., Palakshappa, J. A., Peltan, I. D., Andrew, J. S., Gundel, S. J., Ringwood, N. J., Mckeehan, J., Hope, A. A., Rogers, A. J., Biehl, M., Hayden, D. L., Caldwell, E., Mehkri, et al  
2022; 8 (1): 212
- **Deconvoluting complex correlates of COVID-19 severity with a multi-omic pandemic tracking strategy.** *Nature communications*  
Parikh, V. N., Ioannidis, A. G., Jimenez-Morales, D., Gorzynski, J. E., De Jong, H. N., Liu, X., Roque, J., Cepeda-Espinoza, V. P., Osoegawa, K., Hughes, C., Sutton, S. C., Youlton, N., Joshi, et al  
2022; 13 (1): 5107
- **Lessons from an international trial evaluating vaccination strategies for recovered inpatients with COVID-19 (VATICO).** *Med (New York, N.Y.)*  
Mylonakis, E., Lutaakome, J., Jain, M. K., Rogers, A. J., Molto, J., Benet, S., Mourad, A., Files, D. C., Mugerwa, H., Kityo, C., Kiweewa, F., Nalubega, M. G., Kitonsa, et al  
2022; 3 (8): 531-537
- **Phenotypes of disease severity in a cohort of hospitalized COVID-19 patients: Results from the IMPACC study.** *EBioMedicine*  
Ozonoff, A., Schaanman, J., Jayavelu, N. D., Milliren, C. E., Calfee, C. S., Cairns, C. B., Kraft, M., Baden, L. R., Shaw, A. C., Krammer, F., van Bakel, H., Esserman, D. A., Liu, et al  
2022; 83: 104208
- **Anti-nucleocapsid antibody levels and pulmonary comorbid conditions are linked to post-COVID-19 syndrome.** *JCI insight*  
Jia, X., Cao, S., Lee, A. S., Manohar, M., Sindher, S. B., Ahuja, N., Artandi, M., Blish, C. A., Blomkalns, A. L., Chang, I., Collins, W. J., Desai, M., Din, et al  
2022; 7 (13)
- **COVID-19 Acute Respiratory Distress Syndrome: One Pathogen, Multiple Phenotypes.** *Critical care clinics*  
Empson, S., Rogers, A. J., Wilson, J. G.  
2022; 38 (3): 505-519
- **Sex differences in the mortality rate for coronavirus disease 2019 compared to other causes of death: an analysis of population-wide data from 63 countries.** *European journal of epidemiology*  
Geldsetzer, P., Mukama, T., Jawad, N. K., Riffe, T., Rogers, A., Sudharsanan, N.  
2022

- **Biochemical, biophysical, and immunological characterization of respiratory secretions in severe SARS-CoV-2 infections.** *JCI insight*  
Kratovichil, M. J., Kaber, G., Demirdjian, S., Cai, P. C., Burgener, E. B., Nagy, N., Barlow, G. L., Popescu, M., Nicolls, M. R., Ozawa, M. G., Regula, D. P., Pacheco-Navarro, A. E., Yang, et al  
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