

CURRICULUM VITAE

Angela L. Rasmussen, Ph.D.

angelarasmussen.org

EDUCATION

University of Washington, Seattle, WA 2009-2012
Department of Microbiology
Postdoctoral Fellowship

Columbia University Graduate School of Arts & Sciences, Coordinated Doctoral Program in Biomedical Sciences, New York, NY 2003-2009
Department of Microbiology and Immunology
Ph.D, Microbiology, 2009
M.Phil., Microbiology, 2006
M.A., Microbiology, 2005

Smith College, Northampton, MA 1996-2000
B.A., Biological Sciences

AWARDS, HONORS, AND INVITED LECTURES

Invited speaker/panelist, American Thoracic Society 2021 2021
Invited speaker, W. Harry Feinstone Department of Molecular Microbiology and Immunology, Johns Hopkins Bloomberg School of Public Health 2021
Invited speaker, American Public Health Association and National Academy of Medicine COVID-19 Conversations: Variants and Vaccines 2021
Invited speaker, the Spectrum Virtual Summit 2021
Invited speaker, MJH Life Sciences, Emerging SARS-CoV-2 Variants 2021
Keynote speaker 32nd Annual Holiday Conference, Hospital for Special Surgery 2020
Invited speaker/panelist, Cell Press Beijing Online Conference 2020
Invited speaker, The Scientist Webinar Series 2020
Invited speaker/honoree, Department of Biological Sciences, Smith College 2020
Invited panelist, ASM Virtual Journal Club 2020
Invited speaker, NYC Health System Special Pathogens 2020
Invited speaker, Memorial Sloan Kettering Grand Rounds: Advanced Topics in Infectious Disease 2020
Elemental 50 Experts to Follow in a Pandemic 2020
Invited speaker, MJH Life Sciences, COVID-19 Fact or Fiction? 2020
Invited speaker, MJH Life Sciences, Battling Dual Threats: Flu and COVID-19 2020
Member, MJH Life Sciences COVID-19 Coalition 2020
Invited speaker, MJH Life Sciences, COVID-19: Race for a Vaccine 2020
Invited speaker, COVID-19 Lessons Learned and Best Practices Dialogue, DTRA and the Republic of Philippines Department of Health 2020
Invited panelist, Pandemic Preparedness: A Roadmap for Future Outbreaks, 2020

Center for Global Development	
Invited speaker, Breaking Science Writing, Johns Hopkins University	2020
Invited speaker, COVID-19 Seminar Series, HHMI Janelia	2020
Invited speaker, Coronavirus Preparedness Summit	2020
Invited speaker, Host Responses to Viral Pathogens, UC-Riverside	2020
Calderone Junior Faculty Prize, Columbia Mailman School of Public Health	2019
Invited speaker, Hot Topics in Emerging Pathogens, New York University	2018
Invited speaker, Institute of Systems Genetics, New York University	2016
Invited speaker, Mini-Medical School, University of Washington	2016
Invited speaker/honoree, Department of Biological Sciences, Smith College	2012
Invited speaker, Faculty of Veterinary Medicine, Udayana University, Denpasar, Bali, Indonesia	2012
Elected to Sigma Xi	2000
Margaret Wemble Brigham Award for Excellence in Microbiology or Immunology Research, Smith College	2000
Blakeslee Fellowship, Smith College	1999
Elizabeth Drew Memorial Prize for best short fiction, Smith College	1997

Please see angelarasmussen.org for a full record of press clippings and non-scientific writing

EXPERIENCE

Research Scientist III (Associate Professor equivalent) 2021-present
 Vaccine and Infectious Disease Organization-International Vaccine Centre (VIDO-InterVac), Saskatoon, Saskatchewan, Canada

- *Principal Investigator leading a lab studying host responses to emerging virus infections*
- *Leading several studies including host response to SARS-CoV-2 in animal models and studying sex bias to emerging viruses in human and wildlife hosts*
- *Continuing collaborations established in my prior academic positions, studying SARS-CoV-2, MERS-CoV, Ebola virus, influenza virus, Lassa virus, Crimean-Congo hemorrhagic fever virus, and other emerging viruses of critical importance to public health and biosecurity.*

Non-Resident Affiliate 2020-present
 Center for Global Health Science and Security, Georgetown University, Washington, DC

- *Affiliate member collaborating closely with GHSS center faculty and staff*
- *Virology lead of the Viral Emergence Research Initiative (VERENA) Consortium, a multi-disciplinary research effort to study the ecology, evolution, and emergence potential of novel viral pathogens using machine learning and advanced analytical approaches, with an emphasis on open data and equity.*
- *Contribute to VERENA workshops and seminar series*

Consultant and Writer 2020-present
 Self-employed

- *Provide expert advice on virology and public health practices for a variety of clients in the field of law, marketing, pharmaceutical development, education, and public health.*

- *Write on current scientific state of the art for major media outlets including Forbes, Slate, The Guardian, Leapsmag, Foreign Affairs, the Washington Post, and the New York Times.*
- *Leveraging my considerable social media platform (~225,000 Twitter followers) to maximize engagement with the public for scientific communication, including providing guidance regarding best practices during a pandemic, critiquing and clarifying policy positions, and educating about the current state of the art in virology and immunology research.*

Associate Research Scientist (Assistant Professor equivalent) 2016-2020
 Center for Infection and Immunity, Mailman School of Public Health, Columbia University, New York, NY

- *Principal Investigator on a FastGrant award to use transcriptomics and machine learning approaches to study host responses to SARS-CoV-2 infection in rhesus macaques. We also used classification approaches combined with functional analysis to predict infection and identify host-directed drugs with potential as antiviral therapeutics.*
- *Lead scientist and project manager for a project grant within the Center for Research on Discovery and Diagnostics (CRDD), a U19 Center of Excellence for Translational Research. This project employs systems biology approaches to develop host response signatures with diagnostic or prognostic value.*
- *Principal Investigator on a cooperative agreement with the Defense Advanced Research Projects Agency (DARPA) to investigate host responses associated with tolerance to infection with Ebola virus and MERS-CoV*
- *Lead scientist on contracts with the Defense Threat Reduction Agency (DTRA), and the National Biodefense and Countermeasures Center (NBACC) in the Department of Homeland Security (DHS), investigating the host transcriptional response to infection with multiple emerging pathogens with significant relevance to biodefense (Ebola and Burkholderia pseudomallei).*
- *Directly supervise a veterinarian-scientist performing all high-containment work on BSL-4 pathogens as a special volunteer at the Rocky Mountain Laboratories Integrated Research Facility*
- *Directly supervise technicians and bioinformaticians*
- *Write grants, establish collaborations, and obtain support for an independent research program.*
- *Coordinate with international team of investigators to transfer samples, manage personnel, write grant proposals, and publish manuscripts.*
- *Drive scientific studies with integral roles in project conceptualization, experimental design, data collection and analysis, and authorship of original research manuscripts. These studies use a systems biology-based approach and analysis on zoonotic viral pathogens, primarily those that cause hemorrhagic fever (Ebola virus, Marburg virus, Lassa virus, Lujo virus, Hantaan virus), respiratory disease (influenza, MERS-CoV), and emerging arboviruses (dengue virus, SFTSV, Heartland virus, Powassan virus, Rift Valley fever virus).*

Research Assistant Professor 2014- 2016
 Department of Microbiology, University of Washington, Seattle, WA
 Katze Laboratory

- *Lead scientist and project manager on three U19 program projects totaling \$7.2 million in direct costs. Also responsible for reporting, personnel management, resource allocation, and funding renewal of these programs.*

- *Write grants and establish collaborations.*
- *Coordinate with international team of investigators to transfer samples, manage personnel, write grant proposals, and publish manuscripts.*
- *Responsible for all efforts involving emerging or highly pathogenic viruses, specializing in highly pathogenic emerging viruses.*
- *Drive scientific studies with integral roles in project conceptualization, experimental design, data collection and analysis, and authorship of original research manuscripts. These studies focused on emerging pathogens including filoviruses, MERS-CoV, dengue virus, H7N9 influenza virus, bunyaviruses, and arenaviruses.*
- *Guest lecturer during spring quarter graduate-level virology lecture courses.*
- *Mentor postdoctoral fellows and junior scientists in the laboratory.*

Scientific Project Manager

2012-2014

Department of Microbiology, University of Washington, Seattle, WA
Katze Laboratory

- *Management of Katze lab efforts contributing to three large, multi-institutional research grants (PNWRCE, CETR, Systems ImmunoGenetics), including personnel, resources, scientific contributions, programmatic reporting, compliance, and funding renewal.*
- *Coordination with other researchers worldwide for sample procurement, data acquisition, and analysis.*

Senior (Postdoctoral) Fellow

2009-2012

Department of Microbiology, University of Washington, Seattle, WA
Katze Laboratory

Principal Investigator: Professor Michael G. Katze, Ph.D.

- *Systems biology-based analysis of infection and pathogenesis of hepatitis C virus in both human liver transplant recipients and experimental models of HCV replication.*
- *Use of both systems approaches (transcriptomics, proteomics, metabolomics) and traditional molecular, biochemical, cellular, and virologic techniques.*

Graduate Research Associate

2003-2009

Department of Microbiology, Columbia University, New York, NY
Principal Investigator: Professor Vincent R. Racaniello, Ph.D.

Dissertation: "Development of a mouse model of rhinovirus infection."

- *Development of a mouse model of rhinovirus infection by isolating and characterizing host range variants capable of enhanced replication in mouse cells.*
- *Maintained Racaniello laboratory mouse colony.*

Graduate Technology Fellow

2006-2008

Columbia Technology Ventures

- *Performed numerous analyses to support intellectual property and technology transfer at Columbia University, including evaluating inventions for commercial viability, patent searches, scientific literature searches, and identification of potential licensees.*

Research Associate

2000-2003

Xcyte Therapies, Inc., Seattle, WA

- *Developed T-cell expansion technologies for large-scale lymphocyte cultivation in the context of samples collected from patients with hematological malignancies*
- *Performed a variety of functional and characterization studies to support preclinical development of T-cell immunotherapies for renal cell carcinoma, prostate cancer, B-cell chronic lymphocytic leukemia, non-Hodgkin's lymphoma, and multiple myeloma.*

Blakeslee Fellow/Student Researcher

1998-1999

Smith College, Northampton, MA

Principal Investigator: Professor Christine A. White-Ziegler, Ph.D.

Areas of Concentration: Microbiology, Microbial Genetics

Special Studies Project: "Mutational Analysis of rimJ"

- *Mutational analysis of rimJ, a gene involved in transcriptional thermoregulation of Escherichia coli Pap fimbrial gene expression.*

Intern

1998

XOMA (US) LLC, Berkeley, CA

- *Comparison of rBPI₂₁, a recombinant antibacterial peptide, to Polymyxin B as inhibitors of lipopolysaccharide-mediated proinflammatory cytokine secretion*

ACADEMIC SERVICE AND ADVISORY POSITIONS

Associate Editor, *Vaccines*, 2021-present

Member, Editorial Board, *mSphere*, 2020-present

Reviewer, E-1 and E-2 panels, FY22 Military Infectious Diseases Research Program (MIDRP), intramural research program study section, December 2020-March 2021.

Guest Editor, "Host Factors in Viral Infection," *Viruses*, 2020-present

Member, Editorial Advisory Board, *Cell Reports*, 2020-present

Member, WHO Ad Hoc Expert Group on Preclinical Models of COVID-19 Disease. February 2020-present.

Reviewer, Tick Borne Disease Panel, FY20 Peer Review Tick Borne Disease Research Program (TBDRP), CDMRP, August 2020-October 2020.

Reviewer, Viral Infectious Disease Panel, FY20 Peer Review Medical Research Program (PRMRP) Discovery Award, CDMRP, May 2020-July 2020.

Reviewer, Fondazione Cariplo, Call to support the development of collaborations for the identification of therapies, diagnostic tools, protective equipment and analysis systems to help fight the Coronavirus emergency and other potential future viral emergencies, April-May 2020.

Reviewer, Flavivirus RA-S-IN Panel, FY20 Military Infectious Diseases Research Program (MIDRP), intramural research program study section, December 2019-January 2020.

Steering Committee, Public Health 2035: Developing a Bold Vision for Our Second Century, Columbia Mailman School of Public Health, October 2019-present

Reviewer, Emerging Infectious Diseases Panel, Congressionally Directed Medical Research Programs (CDMRP), FY20 Peer Review Medical Research Program (PRMRP) Focused Program Award, July-September 2019.

Member, NIH Advisory Committee to the Director Working Group on Changing the Culture to End Sexual Harassment, 2019-present.

Reviewer, National Aeronautics and Space Administration (NASA), HERO Inflammation-Immunology study section, 2018.

Reviewer, National Aeronautics and Space Administration (NASA), Space Biology study section, 2018.

Topic editor, "Host-pathogen interactions during arboviral infections," *Frontiers in Cellular Infection and Microbiology*. 2018-2019.

Guest editor, "Host Responses to Viral Infection," *Vaccines*. 2017.

Member, Institutional Biosafety Committee, University of Washington, November 2014-March 2016.

Reviewer, Pre-Dengue Panel, Congressionally Directed Medical Research Programs (CDMRP), FY15 Peer Review Medical Research Program (PRMRP), July 2015.

Reviewer, Lethal Virus Countermeasures Panel, US Army Medical Research and Materiel Command, FY16 Military Infectious Diseases Research Program (MIDRP), Joint Program Committee-2, intramural research program study section, March 2015.

Panelist, NIH Pathways to Prevention (P2P): Advancing the Research on Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS), 2014.

Reviewer, National Aeronautics and Space Administration (NASA), Space Biology study section, 2014.

SCIENTIFIC PUBLICATIONS

C. Carlson, M. Farrell, Z. Grange, B. Han, N. Mollentze, A. Phelan, **A. Rasmussen**, G. Albery, B. Bett, D. Brett-Major, L. Cohen, T. Dallas, E. Eskew, A. Fagre, K. Forbes, R. Gibb, S. Halabi, C. Hammer, R. Katz, J. Kindrachuk, R. Muylaert, F. Nutter, J. Ogola, K. Olival, M. Rourke, S. Ryan, N. Ross, S. Seifert, T. Sironen, C. Standley, K. Taylor, M. Ventner, P. Webala. ***Zoonotic Risk Technology Enters the Viral Emergence Toolkit***. *Preprints*. DOI: 10.20944/preprints202104.0200.v1. April 7, 2021.

A.L. Rasmussen and S.V. Popescu, **SARS-CoV-2 Transmission Without Symptoms**. *Science* 371(6535):1206-1207. DOI: 10.1126/science.abf9569. March 19, 2021.

K.M. Forbes, O. Anzala, C.J. Carlson, A.A. Kelvin, K. Kuppalli, E.M. Leroy, G.D. Maganga, M.M. Masika, I.M. Mombo, D.M. Mwaengo, R.F. Niama, J. Nziza, J. Ogola, B.S. Pickering, **A.L. Rasmussen**, T. Sironen, O. Vapalahti, P.W. Webala, J. Kindrachuk. **Toward a coordinated strategy for intercepting human disease emergence in Africa**. *Lancet Microbe* 2(2): E51-E52. February 21, 2021. DOI: 10.1016/S2666-5247(20)30220-2.

R. Gibb, G.F. Albery, D.J. Becker, L. Brierley, R. Connor, T.A. Dallas, E.A. Eskew, M.J. Farrell, **A.L. Rasmussen**, S.J. Ryan, A. Sweeny, C.J. Carlson, and T. Poisot. **Data proliferation, reconciliation, and synthesis in viral ecology**. *bioRxiv* 2021.01.14.426572. DOI: 10.1101/2021.01.14.426572. January 16, 2021.

A.L. Rasmussen. **On the origins of SARS-CoV-2**. *Nature Medicine* 27(9). DOI: 10.1038/s41591-020-01205-5. January 13, 2021.

A.L. Rasmussen. **Vaccination Is the Only Acceptable Path to Herd Immunity**. *Med*, online. DOI: 10.1016/j.medj.2020.12.004. December 18, 2020.

D. Gurdasani, L. Bear, D. Bogaert, R.A. Burgess, R. Busse, R. Cacciola, Y. Charpak, T. Colbourn, J. Drury, K. Friston, V. Gallo, L.R. Goldman, T. Greenhalgh, Z. Hyde, K. Kuppalli, M.S. Majumder, J.M. Martin-Moreno, M. McKee, S. Michie, E. Mossialos, A. Nouri, C. Pagel, D. Pimenta, S. Popescu, V. Priesemann, **A.L. Rasmussen**, S. Reicher, W. Ricciardi, K. Rice, J. Silver, T.C. Smith, C. Wenham, R. West, G. Yamey, C. Yates, H. Ziauddeen. **The UK needs a sustainable strategy for COVID-19**. *The Lancet*, online. DOI: 10.1016/S0140-6736(20)32350-3. November 9, 2020.

A.L. Rasmussen, K. Escandón, and S.V. Popescu. **Facial Masking for Covid-19**. *New England Journal of Medicine*, online. October 23, 2020. DOI: 10.1056/NEJMc2030886. PMID: 33095523.

C. Muñoz-Fontela, W.E. Dowling, S.G.P. Funnell, P.S. Gsell, X.R. Balta, R. Albrecht, H. Andersen, R. Baric, M.W. Carroll, Q. Chuan, I. Crozier, K. Dallmeier, L. de Waal, E. de Wit, L. Deland, E. Dohm, P. Duprex, D. Falzarano, C. Finch, M.B. Frieman, B. Graham, L. Gralinski, B. Haagmans, G. Hamilton, A.L. Hartman, S. Herfst, W. Klimstra, I. Knezevic, J. Kuhn, R. Le Grand, M. Lewis, W.-C. Liu, P. Maisonnasse, A.K. McElroy, V. Munster, N. Oreshkova, **A.L. Rasmussen**, J. Riha, J. Rocha Pereira, B. Rockx, E. Rodríguez, T. Rogers, F.J. Salguero, M. Shotsaert, K. Stittelaar, H.J. Thibaut, C.-T. Tseng, J. Vergara-Alert, M. Beer, T. Brasel, J.F.W. Chan, A. García-Sastre, J. Neyts, S. Perlman, D. Reed, J.A. Richt, C.J. Roy, J. Segalés, S. Vasan, A.M. Henao-Restrepo, and D.H. Barouch. **Animal models for COVID-19**. *Nature*, online. DOI: 10.1038/s41586-020-2787-6. Sept. 2020. DOI: 10.1038/s41586-020-2787-6. PMID: 32967005.

K. Escandón, **A.L. Rasmussen**, I.I. Bogoch, E.J. Murray, K. Escandón, and J. Kindrachuk. **COVID-19 and false dichotomies: time to change the black-or-white messaging about health, economy, SARS-CoV-2 transmission, masks, and reinfection**. OSF Preprints, August 5, 2020. DOI: 10.31219/osf.io/k2d84.

N.D. Grubaugh, W.P. Hanage, and **A.L. Rasmussen**. ***Making sense of mutation: what D614G means for the COVID-19 pandemic remains unclear***. *Cell*, S0092-8674(20)30817-5. July 2020. DOI: 10.1016/j.cell.2020.06.040. PMID: 32697970.

K. Kuppalli and **A.L. Rasmussen**. ***A glimpse into the eye of the COVID-19 cytokine storm***. *EBioMedicine* 55: 102789. May 7, 2020. PMID: 32388462.

A. Price, A. Okumura, E. Haddock, F. Feldmann, K. Meade-White, P. Sharma, M. Artami, W.I. Lipkin, D.W. Threadgill, H. Feldmann, **A.L. Rasmussen**. ***Transcriptional Correlates of Tolerance and Lethality in Mice Predict Ebola Virus Disease Patient Outcomes***. *Cell Reports* 30(6): 1702-1713. Feb 11, 2020. PMID: 32049004.

A.G. Goodman and **A.L. Rasmussen**. ***Host-Pathogen Interactions During Arbovirus Infection***. *Frontiers in Cellular and Infection Microbiology* 9:77. March 26, 2019. PMID: 30972308.

A. Price, A. Caciula, C. Guo, B. Lee, J. Morrison, A. Rasmussen, W.I. Lipkin, and K. Jain. ***DEvis: An R package for aggregation and visualization of differential expression data***. *BMC Bioinformatics* 20(1): 110. March 4, 2019. PMID: 30832568.

A.L. Rasmussen. ***Host Factors Involved in Ebola Virus Replication***. *Current Topics in Microbiology and Immunology* 419: 113-150. 2018. PMID: 28710692

J. Olejnik, A. Forero, L.R. Deflube, A.J. Hume, W.A. Manhart, A. Nishida, A. Marzi, M.G. Katze, H. Ebihara, **A.L. Rasmussen**, and E. Mühlberger. ***Ebolaviruses associated with differential pathogenicity induce distinct host responses in human macrophages***. *Journal of Virology* 91(11): pii e00179-17. June 1, 2017. PMID: 28331091.

M. Dutta, S.J. Robertson, A. Okumura, D.P. Scott, J. Chang, J.M. Weiss, G.L. Sturdevant, F. Feldmann, E. Haddock, A.I. Chiramel, S.S. Ponia, J.D. Dougherty, M.G. Katze, **A.L. Rasmussen**, and S.M. Best. ***A Systems Approach Reveals MAVS Signaling in Myeloid Cells as Critical for Resistance to Ebola Virus in Murine Models of Infection***. *Cell Reports* 18(3): 816-829. January 17, 2017. PMID: 28099857. PMCID: PMC5289750.

A.L. Rasmussen. ***Host Factors in Ebola Infection***. *Annual Reviews in Genetics and Genomics* 17: 333-351. August 31, 2016. PMID: 27147086.

A.L. Rasmussen and M.G. Katze. ***Genomic Signatures of Emerging Viruses: A New Era of Systems Epidemiology***. *Cell Host and Microbe* 19(5): 611-618. May 11, 2016. PMID: 27173929.

A.L. Rasmussen. ***Probing the Viromic Frontiers***. *mBio* 6(6): e01767-15. November 10, 2015. PMID: 26556279. PMCID: PMC4659475.

A. Okumura, **A.L. Rasmussen**, P. Halfmann, F. Feldmann, A. Yoshimura, H. Feldmann, Y. Kawaoka, R.N. Harty, and M.G. Katze. ***Suppressor of Cytokine Signaling 3 Is an Inducible Host Factor That Regulates Virus Egress during Ebola Virus Infection***.

Journal of Virology 89(20): 10399-406. October 15, 2015. PMID: 26246577. PMCID: PMC4580175.

K.J. Lubick, S.J. Robertson, K.L. McNally, B.A. Freedman, **A.L. Rasmussen**, R.T. Taylor, A.D. Walts, S. Tsuruda, M. Sakai, M. Ishizuka, E.F. Boer, E.C. Foster, A.I. Chiramel, C.B. Addison, R. Green, D.L. Kastner, M.G. Katze, S.M. Holland, A. Forlino, A.F. Freeman, M. Boehm, K. Yoshii, and S.M. Best. ***Flavivirus Antagonism of Type I Interferon Signaling Reveals Prolidase as a Regulator of IFNAR1 Surface Expression.*** *Cell Host Microbe* 18(1): 61-74. July 8, 2015. PMID: 26159719. PMCID: PMC4505794.

C.R. Green, P. Cowan, R. Elk, K.M. O'Neil, and **A.L. Rasmussen**. ***National Institutes of Health Pathways to Prevention Workshop: advancing the research on myalgic encephalomyelitis/chronic fatigue syndrome.*** *Annals of Internal Medicine* 162:841-50. June 16, 2015. PMID: 26075757.

A.L. Rasmussen, N. Tchitchek, D. Safronetz, V.S. Carter, C.M. Williams, E. Haddock, M.J. Korth, H. Feldmann, and M.G. Katze. ***Delayed inflammatory and cell death responses are associated with reduced pathogenicity in Lujo virus-infected cynomolgous macaques.*** *Journal of Virology*: 89(5): 2543-52. March 1, 2015. PMID: 25520505. PMCID: PMC4325716.

A.L. Rasmussen, A. Okumura, M.T. Ferris, R. Green, F. Feldmann, S.M. Kelly, D.P. Scott, D. Safronetz, E. Haddock, R. LaCasse, M.J. Thomas, P. Sova, V.S. Carter, D.R. Miller, G.D. Shaw, M.J. Korth, M.T. Heise, R.S. Baric, F.P.M. de Villena, H. Feldmann, and M.G. Katze. ***Host genetic diversity enables Ebola hemorrhagic fever pathogenesis and resistance.*** *Science* 346(6212): 987-91. November 21, 2014. PMID: 25359852. PMCID: PMC4241145.

N. Tchitchek, D. Safronetz, **A.L. Rasmussen**, C. Martens, K. Virtaneva, S.F. Porcella, H. Feldmann, H. Ebihara*, and M.G. Katze*. ***Assembly of an Expressed Sequence Tag Library Derived from Syrian Hamster (Mesocricetus auratus) Organs.*** *PLoS ONE* 9(11):e112617. November 14, 2014. PMID: 25398096. PMCID: PMC4232415.

D. Falzarano, E. de Wit, F. Feldmann, **A. L. Rasmussen**, A. Okumura, X. Peng, M.J. Thomas, N. van Doremalen, E. Haddock, L. Nagy, R. LaCasse, T. Liu, J. Zhu, J.S. McLellan, D.P. Scott, M.G. Katze, H. Feldmann, and V.J. Munster. ***Infection with MERS-CoV causes lethal pneumonia in the common marmoset.*** *PLoS Pathogens*. 10(8): e1004250. August 21, 2014. PMID: 25144235. PMCID: PMC4140844.

E. de Wit, **A.L. Rasmussen**, F. Feldmann, T. Bushmaker, C. Martellaro, E. Haddock, A. Okumura, S.C. Prohl, J. Chang, D. Gardner, M.G. Katze, V.J. Munster, and H. Feldmann. ***Influenza virus A/Anhui/1/2013 (H7N9) replicates efficiently in the upper and lower respiratory tract of cynomolgus macaques.*** *mBio* 5(4): e01331-14. August 12, 2014. PMID: 25118237. PMCID: PMC4145683.

D. Falzarano, E. de Wit, **A.L. Rasmussen**, F. Feldmann, A. Okumura, D.P. Scott, D. Brining, T. Bushmaker, C. Martellaro, A.G. Benecke, M.G. Katze, V.J. Munster, and H. Feldmann. ***Combined interferon- α 2b and ribavirin treatment of rhesus macaques improves clinical outcome following infection with Middle East respiratory***

syndrome coronavirus (MERS-CoV). *Nature Medicine* 19(10): 1313-1317. October 2013. PMID: 24013700. PMCID: PMC4093902.

E. de Wit, **A.L. Rasmussen**, D. Falzarano, T. Bushmaker, F. Feldmann, D.L. Brining, E.R. Fischer, C. Martellaro, A. Okumura, J. Chang, D. Scott, A.G. Benecke, M.G. Katze, H. Feldmann, and V.J. Munster. **Middle East respiratory syndrome coronavirus (MERS-CoV) causes transient lower respiratory tract infection in rhesus macaques.** *Proceedings of the National Academy of Sciences* 110(41):16598-603. October 8, 2013. PMID: 24062443. PMCID: PMC3799368.

A.L. Rasmussen*, I.-M. Wang*, M.C. Shuhart*, S.C. Proll, Y. He, R. Cristescu, C. Roberts, V.S. Carter, C.M. Williams, D.L. Diamond, J.T. Bryan, R. Ulrich, M.J. Korth, L.V. Thomassen, and M.G. Katze. **Chronic Immune Activation is a Distinguishing Feature of Liver and PBMC Gene Signatures from HCV/HIV Coinfected Patients and May Contribute to Hepatic Fibrogenesis.** *Virology* 430(1): 43-52. August 15, 2012. PMID: 22608059. PMCID: PMC3371131.

A.L. Rasmussen*, N. Tchitchek*, N.J. Susnow, A.L. Krasnoselsky, D.L. Diamond, M.M. Yeh, S.C. Proll, M.J. Korth, K.-A. Walters, S. Lederer, A.M. Larson, R. L. Carithers Jr., A. Benecke, and M.G. Katze. **Early Transcriptional Programming Links Progression to Hepatitis C Virus-Induced Severe Liver Disease in Transplant Patients.** *Hepatology* 56(1): 17-27. July 2012. PMID: 22278598. PMCID: PMC3349763.

D.L. Diamond, A.L. Krasnoselsky, K. E. Burnum, M.E. Monroe, B. Webb-Robertson, J.E. McDermott, M.M. Yeh, S. Strom, S.C. Proll, S.E. Belisle, **A.L. Rasmussen**, K. Walters, J.M. Jacobs, M.A. Gritsenko, D.G. Camp, R. Bhattacharya, J.D. Perkins, R.L. Carithers Jr., I.W. Liou, A.M. Larson, K.M. Waters, R.D. Smith, and M.G. Katze. **Proteome and Computational Analyses Reveal New Insights into the Mechanisms of Hepatitis C Virus-Mediated Liver Disease.** *Hepatology* 56(1): 28-38. July 2012. PMID: 22331615. PMCID: PMC3387320.

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