

Kristian G. Andersen, Ph.D.

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POSITIONS

Professor (tenured)

March 2020 - Present

The Scripps Research Institute
Department of Immunology and Microbiology

Associate Professor (tenured)

September 2018 - March 2020

The Scripps Research Institute
Department of Immunology and Microbiology

Assistant Professor

May 2015 - September 2018

The Scripps Research Institute
Department of Immunology and Microbiology

Principal Investigator

May 2020 - Present

West African Research Network for Infectious Diseases
www.warn-id.org

Vice President

November 2019 - Present

Viral Hemorrhagic Fever Consortium
www.vhfc.org

Principal Investigator

February 2018 - Present

Center for Viral Systems Biology
www.cvisb.org

Director of Infectious Disease Genomics

May 2015 - Present

Scripps Research Translational Institute

Postdoc in Computational Genetics

January 2009 - April 2015

Harvard University & Broad Institute
Sabeti Lab at FAS Center for Systems Biology

Ph.D. in Immunology

August 2004 - January 2009

University of Cambridge
Betz Lab at MRC Laboratory of Molecular Biology (LMB)

B.Sc. in Molecular Biology & Chemistry

August 2000 - August 2004

Aarhus University / University of Kent
Nissen Lab at Centre for Structural Biology

AWARDS

Pew Scholar in the Biomedical Sciences	2016
Ray Thomas Edwards Foundation Career Development Award	2016
Carlsberg Foundation postdoctoral fellowship	2009-2011
Max Perutz prize for "outstanding graduate research"	2008
Carlsberg Foundation scholarship at Cambridge University	2005-2008
Medical Research Council studentship	2004-2008

GRANTS

Name	Agency	Role	Award (total)	Period
CViSB Center, U19AI135995	NIH NIAID	PI	\$13 million	2023 - 2028
SEARCH, 75D301-22-C-14843	CDC OAS	PI	\$2.5 million	2022 - 2024
Paxlovid Rebound, 3U01AI151812-03S2	NIH NIAID	PI	\$1.9 million	2022 - 2023
Outsmarting Emerging Pathogens	Prebys Foundation	PI	\$500,000	2020 - 2023
SPHERES SARS-CoV-2, 75D301-20-C-09795	CDC OAS	PI	\$2.5 million	2020 - 2022
Outbreak.info, 3U19AI135995-03S2	NIH NIAID	PI	\$250,000	2020 - 2021
WestNile 4K, 1R56AI149004-01A1	NIH NIAID	PI	\$912,000	2020 - 2021
WARN-ID Center, U01AI151812	NIH NIAID	PI	\$8.9 million	2020 - 2025
COVID supplement, 3U19AI135995-03S1	NIH NIAID	PI	\$1.2 million	2020 - 2021
Pilot award, UL1TR002550	NIH NCATS	PI	\$189,800	2019 - 2021
CViSB Center, U19AI135995	NIH NIAID	PI	\$15 million	2018 - 2023
STSI CTSA, UL1TR002550	NIH NCATS	Faculty	\$2.9 million	2015 - 2023
Gene Wiki, R01GM089820	NIH NIGMS	Consortium PI	\$85,000	2018 - 2022

NIAID Data Portal, 2U19AI135995-02S1	NIH NIAID	PI	\$247,575	2019 - 2020
Zika evolution, R21AI137690	NIH NIAID	PI	\$547,218	2018 - 2019
T cells, HHSN272201400048C	NIH NIAID	Subcontract PI	\$559,000	2015 - 2019
Supplement award, U19AI109762	NIH NIAID	PI	\$96,750	2017 - 2018
Pew Scholar	Pew Trust	PI	\$285,000	2016 - 2020
Career Development Award	RTE Foundation	PI	\$150,000	2016 - 2019
Pilot award, UL1TR001114	NIH NIAID	PI	\$96,750	2016 - 2017

SERVICE

- Member, "Standing Committee on Emerging Infectious Diseases and 21st Century Health Threats", White House Office of Science and Technology Policy / the National Academies of Sciences, Engineering, and Medicine.
- Member, "COVID-19 Rapid Response Task Force", Federation of American Scientists.
- Referee for peer-reviewed journals, including *Nature*, *Cell*, *Science*, *eLife*, and *NEJM*.
- Member of the Scientific Advisory Board for the NIH/Wellcome Trust H3Africa-supported "African Centre Of Excellence for Genomics of Infectious Diseases".
- Advisor to the World Health Organization and frequently quoted in the news media, including The New York Times, The Los Angeles Times, The Atlantic, The Washington Post, The New Yorker, The Wall Street Journal, Wired, NPR, and others. Details can be found here: <https://andersen-lab.com/media/>

HOBBIES

I enjoy a variety of outdoor activities, including rock climbing, ice climbing, hiking, skiing, and kayaking.

PUBLICATIONS (chronological - key publications highlighted)

Gangavarapu K, Latif AA, Mullen JL, Alkuzweny M, Hufbauer E, Tsueng G, Haag E, Zeller M, Aceves CM, Zaiets K, Cano M, Zhou X, Qian Z, Sattler R, Matteson NL, Levy JI, Lee RTC, Freitas L, Maurer-Stroh S; GISAIID Core and Curation Team; Suchard MA, Wu C, Su AI, **Andersen KG**, Hughes LD
Outbreak.info Genomic Reports: Scalable and Dynamic Surveillance of SARS-CoV-2 Variants and Mutations
Nature Methods 20(4):512-522 (2023).

Tsueng G, Mullen JL, Alkuzweny M, Cano M, Rush B, Haag E, Lin J, Welzel DJ, Zhou X, Qian Z, Latif AA, Hufbauer E, Zeller M, **Andersen KG**, Wu C, Su AI, Gangavarapu K, Hughes LD
Outbreak.info Research Library: A Standardized, Searchable Platform To Discover and Explore COVID-19 Resources
Nature Methods (4):536-540 (2023).

Oluniji PE, Oguzie JU, Uwanibe JN, Kayode TA, Olumade TJ, Ajogbasile FV, Parker E, Eromon PE, Abechi P, Sobajo TA, Ugwu CA, George UE, Ayoade F, Akano K, Oyejide NE, Nosamiefan I, Fred-Akintunwa I, Adedotun-Sulaiman K, Brimmo FB, Adegboyega BB, Philip C, Adeleke RA, Chukwu GC, Ahmed MI, Ope-Ewe OO, Otitoola SG, Ogunsanya OA, Saibu MF, Sijuwola AE, Ezekiel GO, John OG, Akin-John JO, Akinlo OO, Fayemi OO, Ipaye TO, Nwodo DC, Omoniyi AE, Omwanghe IB, Terkuma CA, Okolie J, Ayo-Ale O, Ikponmwosa O, Benevolence E, Naregose GO, Patience AE, Blessing O, Micheal A, Jacqueline A, Aiyepada JO, Ebhodaghe P, Racheal O, Rita E, Rosemary GE, Solomon E, Anieno E, Edna Y, Chris AO, Donatus AI, Ogbaini-Emovon E, Tatfeng MY, Omunakwe HE, Bob-Manuel M, Ahmed RA, Onwuamah CK, Shaibu JO, Okwuraiwe A, Ataga AE, Bock-Oruma A, Daramola F, Yusuf IF, Fajola A, Ntia NA, Ekpo JJ, Moses AE, Moore-Igwe BW, Fakayode OE, Akinola M, Kida IM, Oderinde BS, Wudiri ZW, Adeyemi OO, Akanbi OA, Ahumibe A, Akinpelu A, Ayansola O, Babatunde O, Omoare AA, Chukwu C, Mba NG, Omoruyi EC, Olisa O, Akande OK, Nwafor IE, Ekeh MA, Ndoma E, Ewah RL, Duruihuoma RO, Abu A, Odeh E, Onyia V, Ojide CK, Okoro S, Igwe D, Ogah EO, Khan K, Ajayi NA, Ugwu CN, Ukwaja KN, Ugwu NI, Abejegah C, Adedosu N, Ayodeji O, Liasu AA, Isamotu RO, Gadzama G, Petros BA, Siddle KJ, Schaffner SF, Akpede G, Erameh CO, Baba MM, Oladiji F, Audu R, Ndodo N, Fowotade A, Okogbenin S, Okokhere PO, Park DJ, Mcannis BL, Adetifa IM, Ihekweazu C, Salako BL, Tomori O, Happi AN, Folarin OA, **Andersen KG**, Sabeti PC, Happi CT
Emergence and Spread of Two SARS-CoV-2 Variants of Interest in Nigeria
Nature Communications 14(1):811 (2023).

Oliveira G, Vogels CBF, Zolfaghari A, Saraf S, Klitting R, Weger-Lucarelli J, P Leon K, Ontiveros CO, Agarwal R, Tsetsarkin KA, Harris E, Ebel GD, Wohl S, Grubaugh ND, **Andersen KG**
Genomic and Phenotypic Analyses Suggest Moderate Fitness Differences Among Zika virus Lineages
PLoS Negl Trop Dis 17(2):e0011055 (2023).

Levy JI^o, **Andersen KG^o**, Knight R, Karthikeyan S
Wastewater Surveillance for Public Health
Science 379(6627):26-27 (2023) (^oco-corresponding author).

Klitting R, Kafetzopoulou LE, Thiery W, Dudas G, Gryseels S, Kotamarthi A, Vrancken B, Gangavarapu K, Momoh M, Sandi JD, Goba A, Alhasan F, Grant DS, Okogbenin S, Ogbaini-Emovo E, Garry RF, Smither AR, Zeller M, Pauthner MG, McGraw M, Hughes LD, Duraffour S, Günther S, Suchard MA, Lemey P, **Andersen KG**, Dellicour S
Predicting the Evolution of the Lassa virus Endemic Area and Population at Risk Over the Next Decades
Nature Communications 13(1):5596 (2022).

Parker E, Anderson C, Zeller M, Tibi A, Havens JL, Laroche G, Benlarbi M, Ariana A, Robles-Sikisaka R, Latif AA, Watts A, Awidi A, Jaradat SA, Gangavarapu K, Ramesh K, Kurzban E, Matteson NL, Han AX, Hughes LD, McGraw M, Spencer E, Nicholson L, Khan K, Suchard MA, Wertheim JO, Wohl S, Côté M, Abdelnour A, **Andersen KG^o**, Abu-Dayyeh I^o
Regional Connectivity Drove Bidirectional Transmission Of SARS-CoV-2 In The Middle East During Travel Restrictions
Nature Communications 13(1):4784 (2022) (^oco-senior author).

Worobey M, Levy JI, Serrano LM, Crits-Christoph A, Pekar JE, Goldstein SA, Rasmussen AL, Kraemer MUG, Newman C, Koopmans MPG, Suchard MA, Wertheim JO, Lemey P, Robertson DL, Garry RF, Holmes EC, Rambaut A, **Andersen KG**
The Huanan Seafood Wholesale Market in Wuhan Was the Early Epicenter of the COVID-19 Pandemic
Science 377(6609):951-959 (2022).

Pekar JE, Magee A, Parker E, Moshiri N, Izhikevich K, Havens JL, Gangavarapu K, Malpica Serrano LM, Crits-Christoph A, Matteson NL, Zeller M, Levy JI, Wang JC, Hughes S, Lee J, Park H, Park MS, Ching KZY, Lin RTP, Mat Isa MN, Noor YM, Vasylyeva TI, Garry RF, Holmes EC, Rambaut A, Suchard MA^o, **Andersen KG^o**, Worobey M^o, Wertheim JO^o
The Molecular Epidemiology of Multiple Zoonotic Origins of SARS-CoV-2
Science 377(6609):960-966 (2022) (^oco-senior author).

Karthikeyan S, Levy JI, De Hoff P, Humphrey G, Birmingham A, Jepsen K, Farmer S, Tubb HM, Valles T, Tribelhorn CE, Tsai R, Aigner S, Sathe S, Moshiri N, Henson B, Mark AM, Hakim A, Baer NA, Barber T, Belda-Ferre P, Chacón M, Cheung W, Cresini ES, Eisner ER, Lastrella AL, Lawrence ES, Marotz CA, Ngo TT, Ostrander T, Plascencia A, Salido RA, Seaver P, Smoot EW, McDonald D, Neuhaard RM, Scioscia AL, Satterlund AM, Simmons EH, Abelman DB, Brenner D, Bruner JC, Buckley A, Ellison M, Gattas J, Gonias SL, Hale M, Hawkins F, Ikeda L, Jhaveri H, Johnson T, Kellen V, Kremer B, Matthews G, McLawhon RW, Ouillet P, Park D, Pradenas A, Reed S, Riggs L, Sanders A, Sollenberger B, Song A, White B, Winbush T, Aceves CM, Anderson C, Gangavarapu K, Hufbauer E, Kurzban E, Lee J, Matteson NL, Parker E, Perkins SA, Ramesh KS, Robles-Sikisaka R, Schwab MA, Spencer E, Wohl S, Nicholson L, Mchardy IH, Dimmock DP, Hobbs CA, Bakhtar O, Harding A, Mendoza A, Bolze A, Becker D, Cirulli ET, Isaksson M, Schiabor Barrett KM, Washington NL, Malone JD, Schafer AM, Gurfield N, Stous S, Fielding-Miller R, Garfein RS, Gaines T, Anderson C, Martin NK, Schooley R, Austin B, MacCannell DR, Kingsmore SF, Lee W, Shah S, McDonald E, Yu AT, Zeller M, Fisch KM, Longhurst C, Maysent P, Pride D, Khosla PK, Laurent LC, Yeo GW, **Andersen KG^o**, Knight R^o
Wastewater Sequencing Reveals Early Cryptic SARS-CoV-2 Variant Transmission
Nature 609(7925):101-108 (2022) (^oco-senior author).

Vasylyeva TI, Fang CE, Su M, Havens JL, Parker E, Wang JC, Zeller M, Yakovleva A, Hassler GW, Chowdhury MA, Andersen KG, Hughes S, Wertheim JO
Introduction and Establishment of SARS-CoV-2 Gamma Variant in New York City in Early 2021
The Journal of Infectious Diseases (2022).

Quer G, Gadaleta M, Radin JM, **Andersen KG**, Baca-Motes K, Ramos E, Topol EJ, Steinhubl SR
Inter-Individual Variation In Objective Measure Of Reactogenicity Following COVID-19 Vaccination Via Smartwatches and Fitness Bands
NPJ Digital Medicine 5(1):49 (2022).

Borrega R, Nelson DKS, Koval AP, Bond NG, Heinrich ML, Rowland MM, Lathigra R, Bush DJ, Aimukanova I, Phinney WN, Koval SA, Hoffmann AR, Smither AR, Bell-Kareem AR, Melnik LI, Genemaras KJ, Chao K, Snarski P, Melton AB, Harrell JE, Smira AA, Elliott DH, Rouelle JA, Sabino-Santos G Jr, Drouin AC, Momoh M, Sandi JD, Goba A, Samuels RJ, Kanneh L, Gbakie M, Branco ZL, Shaffer JG, Schieffelin JS, Robinson JE, Fusco DN, Sabeti PC, **Andersen KG**, Grant DS, Boisen ML, Branco LM, Garry RF
Cross-Reactive Antibodies to SARS-CoV-2 and MERS-CoV in Pre-COVID-19 Blood Samples from Sierra Leoneans
Viruses 13(11):2325 (2021).

Beddingfield BJ, Hartnett JN, Wilson RB, Kulakosky PC, **Andersen KG**, Robles-Sikisaka R, Grubaugh ND, Aybar A, Nunez MZ, Fermin CD, Garry RF

Zika Virus Non-Structural Protein 1 Antigen-Capture Immunoassay

Viruses 13(9):1771 (2021).

Zeller M, Gangavarapu K, Anderson C, Smither AR, Vanchiere JA, Rose R, Snyder DJ, Dudas G, Watts A, Matteson NL, Robles-Sikisaka R, Marshall M, Feehan AK, Sabino-Santos G Jr, Bell-Kareem AR, Hughes LD, Alkuzweny M, Snarski P, Garcia-Diaz J, Scott RS, Melnik LI, Klitting R, McGraw M, Belda-Ferre P, DeHoff P, Sathe S, Marotz C, Grubaugh ND, Nolan DJ, Drouin AC, Genemaras KJ, Chao K, Topol S, Spencer E, Nicholson L, Aigner S, Yeo GW, Farnaes L, Hobbs CA, Laurent LC, Knight R, Hodcroft EB, Khan K, Fusco DN, Cooper VS, Lemey P, Gardner L, Lamers SL, Kamil JP, Garry RF, Suchard MA,

Andersen KG

Emergence of an Early SARS-CoV-2 Epidemic in the United States

Cell 184(19):4939-4952 (2021).

Holmes EC, Goldstein SA, Rasmussen AL, Robertson DL, Crits-Christoph A, Wertheim JO, Anthony SJ, Barclay WS, Boni MF, Doherty PC, Farrar J, Geoghegan JL, Jiang X, Leibowitz JL, Neil SJD, Skern T, Weiss SR, Worobey M, **Andersen KG**, Garry RF, Rambaut A

The Origins of SARS-CoV-2: A Critical Review

Cell 184(19):4848-4856 (2021).

Arze CA, Springer S, Dudas G, Patel S, Bhattacharyya A, Swaminathan H, Brugnara C, Delagrave S, Ong T, Kahvejian A, Echelard Y, Weinstein EG, Hajjar RJ, **Andersen KG**, Yozwiak NL

Global Genome Analysis Reveals a Vast and Dynamic Anellovirus Landscape Within The Human Virome

Cell Host Microbe 29(8):1305-1315.e6 (2021) ([cover](#)).

Meyer M, Gunn BM, Malherbe DC, Gangavarapu K, Yoshida A, Pietzsch C, Kuzmina NA, Sapphire EO, Collins PL, Crowe JE Jr, Zhu JJ, Suchard MA, Brining DL, Mire CE, Cross RW, Geisbert JB, Samal SK, **Andersen KG**, Alter G, Geisbert TW, Bukreyev A

Ebola Vaccine-Induced Protection In Nonhuman Primates Correlates With Antibody Specificity and Fc-Mediated Effects

Science Translational Medicine 13(602) (2021).

Drouin AC, Theberge MW, Liu SY, Smither AR, Flaherty SM, Zeller M, Geba GP, Reynaud P, Rothwell WB, Luk AP, Tian D, Boisen ML, Branco LM, **Andersen KG**, Robinson JE, Garry RF, Fusco DN

Successful Clearance of 300 Day SARS-CoV-2 Infection in a Subject with B-Cell Depletion Associated Prolonged (B-DEAP) COVID by REGEN-COV Anti-Spike Monoclonal Antibody Cocktail

Viruses 13(7):1202 (2021).

Washington NL, Gangavarapu K, Zeller M, Bolze A, Cirulli ET, Schiabor Barrett KM, Larsen BB, Anderson C, White S, Cassens T, Jacobs S, Levan G, Nguyen J, Ramirez JM 3rd, Rivera-Garcia C, Sandoval E, Wang X, Wong D, Spencer E, Robles-Sikisaka R, Kurzban E, Hughes LD, Deng X, Wang C, Servellita V, Valentine H, De Hoff P, Seaver P, Sathe S, Gietzen K, Sickler B, Antico J, Hoon K, Liu J, Harding A, Bakhtar O, Basler T, Austin B, MacCannell D, Isaksson M, Febbo PG, Becker D, Laurent M, McDonald E, Yeo GW, Knight R, Laurent LC, de Feo E, Worobey M, Chiu CY, Suchard MA, Lu JT, Lee W^o, **Andersen KG^o**

Emergence and Rapid Transmission of SARS-CoV-2 B.1.1.7 in the United States

Cell 184(10):2587-2594 (2021) ([co-senior author](#); [cover](#)).

Landeras-Bueno S, Wasserman H, Oliveira G, VanAernum ZL, Busch F, Salie ZL, Wsocki VH, **Andersen K^o**, Sapphire EO^o

Cellular mRNA Triggers Structural Transformation of Ebola virus Matrix Protein VP40 to Its Essential Regulatory Form

Cell Reports 35(2):108986 (2021) ([co-senior author](#)).

Gunn BM, Lu R, Slein MD, Ilinykh PA, Huang K, Atyeo C, Schendel SL, Kim J, Cain C, Roy V, Suscovich TJ, Takada A, Halfmann PJ, Kawaoka Y, Pauthner MG, Momoh M, Goba A, Kanneh L, **Andersen KG**, Schieffelin JS, Grant D, Garry RF, Sapphire EO, Bukreyev A, Alter G

A Fc Engineering Approach to Define Functional Humoral Correlates of Immunity Against Ebola virus

Immunity 54(4):815-828.e5 (2021).

Kinganda-Lusamaki E, Black A, Mukadi DB, Hadfield J, Mbala-Kingebeni P, Pratt CB, Aziza A, White B, Bisento N, Nsunda B, Akonga M, Faye M, Faye O, Edidi-Atani F, Matondo-Kuamfumu M, Mambu-Mbika F, Bulabula J, Di Paola N, Pauthner MG, **Andersen KG**, Palacios G, Delaporte E, Sall AA, Peeters M, Wiley MR, Ahuka-Mundeke S, Bedford T, Tamfum JM

Integration of Genomic Sequencing Into the Response to the Ebola virus Outbreak in Nord Kivu, Democratic Republic of the Congo

Nature Medicine 27(4):710-716 (2021).

Mbala-Kingebeni P, Pratt C, Mutafali-Ruffin M, Pauthner MG, Bile F, Nkuba-Ndaye A, Black A, Kinganda-Lusamaki E, Faye M, Aziza A, Diagne MM, Mukadi D, White B, Hadfield J, Gangavarapu K, Bisento N, Kazadi D, Nsunda B, Akonga M, Tshiani O, Misasi J, Ploquin A, Epaso V, Sana-Paka E, N'kassar YTT, Mambu F, Edidi F, Matondo M, Bula Bula J, Diallo B, Keita M, Belizaire MRD, Fall IS, Yam A, Mulangu S, Rimion AW, Salfati E, Torkamani A, Suchard MA, Crozier I, Hensley L, Rambaut A, Faye O, Sall A, Sullivan NJ^o, Bedford T^o, **Andersen KG^o**, Wiley MR^o, Ahuka-Mundeke S^o, Muyembe Tamfum JJ^o
Ebola Virus Transmission Initiated by Relapse of Systemic Ebola Virus Disease
The New England Journal of Medicine 384(13):1240-1247 (2021) (^oco-senior author).

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EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets
mSystems 16;6(2):e01216-20 (2021).

Mina MJ, **Andersen KG**
COVID-19 testing: One Size Does Not Fit All
Science 371(6525):126-127 (2021).

Dellicour S, Lequime S, Vrancken B, Gill MS, Bastide P, Gangavarapu K, Matteson NL, Tan Y, du Plessis L, Fisher AA, Nelson MI, Gilbert M, Suchard MA, **Andersen KG**, Grubaugh ND, Pybus OG, Lemey P
Epidemiological Hypothesis Testing Using a Phylogeographic and Phylodynamic Framework
Nature Communications 11(1):5620 (2020).

Lemey P, Hong SL, Hill V, Baele G, Poletto C, Colizza V, O'Toole Á, McCrone JT, **Andersen KG**, Worobey M, Nelson MI, Rambaut A, Suchard MA
Accommodating Individual Travel History and Unsampled Diversity in Bayesian Phylogeographic Inference of SARS-CoV-2
Nature Communications 11(1):5110 (2020).

Lemos D, Stuart JB, Louie W, Singapuri A, Ramírez AL, Watanabe J, Usachenko J, Keesler RI, Martin CS, Li T, Martyn C, Oliveira G, Saraf S, Grubaugh ND, **Andersen KG**, Thissen J, Allen J, Borucki M, Tsetsarkin KA, Pletnev AG, Chiu CY, Van Rompay KKA, Coffey LL
Two Sides of a Coin: A Zika virus Mutation Selected in Pregnant Rhesus Macaques Promotes Fetal Infection in Mice but at a Cost of Reduced Fitness in Nonpregnant Macaques and Diminished Transmissibility by Vectors
Journal of Virology 94(24):e01605-20 (2020).

Deng X, Gu W, Federman S, du Plessis L, Pybus OG, Faria N, Wang C, Yu G, Bushnell B, Pan CY, Guevara H, Sotomayor-Gonzalez A, Zorn K, Gopez A, Servellita V, Hsu E, Miller S, Bedford T, Greninger AL, Roychoudhury P, Starita LM, Famulare M, Chu HY, Shendure J, Jerome KR, Anderson C, Gangavarapu K, Zeller M, Spencer E, **Andersen KG**, MacCannell D, Paden CR, Li Y, Zhang J, Tong S, Armstrong G, Morrow S, Willis M, Matyas BT, Mase S, Kasirye O, Park M, Masinde G, Chan C, Yu AT, Chai SJ, Villarino E, Bonin B, Wadford DA, Chiu CY
Genomic Surveillance Reveals Multiple Introductions of SARS-CoV-2 Into Northern California
Science 369(6503):582-587 (2020).

Klitting R, Mehta SB, Oguzie JU, Oluniyi PE, Pauthner MG, Siddle KJ, **Andersen KG^o**, Happi CT, Sabeti PC^o
Lassa Virus Genetics
Current Topics in Microbiology and Immunology [Epub ahead of print] (^oco-corresponding author).

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The Proximal Origin of SARS-CoV-2
Nature Medicine 26(4):450-452 (2020) (^ocorresponding author; Altmetric top article of all time).

Sakabe S, Hartnett JN, Ngo N, Goba A, Momoh M, Demby Sandi J, Kanneh L, Cubitt B, Garcia SD, Ware BC, Kotliar D, Robles-Sikisaka R, Gangavarapu K, Branco LM, Eromon P, Odia I, Ogbaini-Emovon E, Folarin O, Okogbenin S, Okokhere PO, Happi C, Sabeti PC, **Andersen KG**, Garry RF, de la Torre JC, Grant DS, Schieffelin JS, Oldstone MBA, Sullivan BM
Identification of Common CD8+ T cell Epitopes from Lassa Fever Survivors in Nigeria and Sierra Leone
Journal of Virology 94(12):e00153-20 (2020).

Sullivan BM, Sakabe S, Hartnett JN, Ngo N, Goba A, Momoh M, Demby Sandi J, Kanneh L, Cubitt B, Garcia SD, Ware BC, Kotliar D, Robles-Sikisaka R, Gangavarapu K, Branco L, Eromon P, Odia I, Ogbaini-Emovon E, Folarin O, Okogbenin S, Okokhere PO, Happi C, de la Torre JC, Sabeti PC, **Andersen KG**, Garry RF, Grant DS, Schieffelin JS, Oldstone MBA
High Crossreactivity of Human T Cell Responses Between Lassa virus Lineages
PLOS Pathogens 16(3):e1008352 (2020).

Lin AE, Diehl WE, Cai Y, Finch CL, Akusobi C, Kirchdoerfer RN, Bollinger L, Schaffner SF, Brown EA, Saphire EO, **Andersen KG**, Kuhn JH, Luban J, Sabeti PC
Reporter Assays for Ebola virus Nucleoprotein Oligomerization, Virion-Like Particle Budding, and Minigenome Activity Reveal the Importance of Nucleoprotein Amino Acid Position 111
Viruses 15;12(1). pii: E105 (2020).

Gunn BM, Roy V, Karim MM, Hartnett JN, Suscovich TJ, Goba A, Momoh M, Sandi JD, Kanneh L, **Andersen KG**, Shaffer JG, Schieffelin JS, Garry RF, Grant DS, Alter G
Survivors of Ebola virus Disease Develop Polyfunctional Antibody Responses
The Journal of Infectious Diseases 221(1):156-161 (2020).

Hadfield J, Brito AF, Swetnam DM, Vogels CBF, Tokarz RE, **Andersen KG**, Smith RC, Bedford T, Grubaugh ND
Twenty Years of West Nile Virus Spread and Evolution in the Americas Visualized by Nextstrain
PLOS Pathogens 31;15(10):e1008042 (2019).

Grubaugh ND^a, Saraf S, Gangavarapu K, Watts A, Tan AL, Oidtman RJ, Ladner JT, Oliveira G, Matteson NL, Kraemer MUG, Vogels CBF, Hentoff A, Bhatia D, Stanek D, Scott B, Landis V, Stryker I, Cone MR, Kopp EW 4th, Cannons AC, Heberlein-Larson L, White S, Gillis LD, Ricciardi MJ, Kwal J, Lichtenberger PK, Magnani DM, Watkins DI, Palacios G, Hamer DH; GeoSentinel Surveillance Network, Gardner LM, Perkins TA, Baele G, Khan K, Morrison A^o, Isern S^o, Michael SF^{oa}, **Andersen KG^{oa}**
Travel Surveillance and Genomics Uncover a Hidden Zika Outbreak during the Waning Epidemic
Cell 178(5):1057-1071 (2019) (^oco-senior author; ^aco-corresponding author; cover).

Ladner JT, Grubaugh ND, Pybus OG, **Andersen KG**
Precision Epidemiology for Infectious Disease Control
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