




## Angelle Desiree LaBeaud

Professor of Pediatrics (Infectious Diseases), Senior Fellow at the Woods Institute for the Environment and Professor, by courtesy, of Epidemiology and Population Health and at the Stanford Doerr School of Sustainability

Pediatrics - Infectious Diseases

 NIH Biosketch available Online

 Curriculum Vitae available Online

### CLINICAL OFFICE (PRIMARY)

• **Stanford University Division of Pediatric Infectious Diseases** • **Administrative Contact**

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### ACADEMIC CONTACT INFORMATION

Creed Raftery - Program Manager

**Email** [craftery@stanford.edu](mailto:craftery@stanford.edu)

### Bio

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#### BIO

I have conducted human field epidemiologic research in infectious diseases for more than fifteen years and have developed the experience, expertise, and collaborative networks needed to manage and coordinate complex field epidemiology projects. I have a broad background in pediatric infectious disease, with specific training in key research areas such as climate change, child health, tropical medicine, epidemiology, virology, and advanced immunology. I have successfully supervised international projects, collaborated with foreign researchers, and organized the resulting collaborative publications in peer-reviewed journals. I am currently PI on a NIAID R01 award to determine the transmission dynamics of and human disease attributable to DENV and CHIKV in Kenya, incorporating climate as a key factor for virus transmission. I am also co-PI on an NIAID R01 award to redefine the clinical manifestations, epidemiology, immunology and virology of yellow fever virus infection in Brazil. I am co-I on a R01 award to create and field test a new platform for diagnosis of febrile illness in Grenada. Finally, I am PI of two philanthropy-funded awards in Grenada to monitor the neurodevelopmental impacts of ZIKV infection up to five years of age and to conduct a school-based health promotion intervention. As the fundamental project for this work, I am co-director of the Sean N. Parker Center Stanford Climate Health and Equity Task Force and am on the leadership team of the Stanford Healthy People Healthy Planet (Planetary Health) Group. My research and administrative projects provide rich opportunities for student involvement and enrichment. Currently we have students at all stages of education (undergraduates, masters, predoctoral, medical students, residents, fellows, postdocs, instructors) from the U.S., Kenya, Grenada, and Brazil involved in our studies. I have a long history of excellent mentorship for students in undergraduate, graduate, and postgraduate education, in particular, I have mentored many medical fellows on prior training grants and have helped them achieve their career aspirations. I am currently co-directing a T32 training grant for the development of Global infectious disease epidemiologists. In summary, I have a demonstrated record of successful and productive mentorship, and my expertise and experience, particularly in climate change research and teaching, will allow me to serve to develop a climate change curriculum in Eswatini and mentor projects integrating climate change.

#### CLINICAL FOCUS

- Pediatric Infectious Diseases

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pediatrics - Infectious Diseases
- Senior Fellow, Stanford Woods Institute for the Environment

- Professor - University Medical Line (By courtesy), Epidemiology and Population Health
- Professor - University Medical Line (By courtesy), Social Sciences Division
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

### **ADMINISTRATIVE APPOINTMENTS**

- Affiliated Faculty Member, Stanford King Center on Global Development, (2020- present)
- Co-Leader and Clinical Partner, Pediatrics Global Health Scholarly Concentration, (2018- present)
- Research Fellow, Windward Islands Research and Education Foundation (WINDREF), (2017- present)
- Affiliated Faculty Member, Institute for Immunity, Transplantation, and Infection, (2015- present)
- Affiliated Faculty Member, Stanford Woods Institute for the Environment, (2015- present)
- Affiliated Faculty Member, Emmett Interdisciplinary Program in Environment & Resources, (2015- present)
- Faculty Fellow, Center for Innovation in Global Health, (2015- present)

### **HONORS AND AWARDS**

- Fellow, American Society of Tropical Medicine and Hygiene (2021)
- Nominated and elected member, American Pediatric Society (2021)
- Board Member, American Society of Tropical Medicine and Hygiene (2019)
- Mosbacher Distinguished Packard Fellow, Stanford University (2018-2021)
- Postdoc Mentor Award, Stanford Department of Pediatrics (2018)
- Women in Science Award, International Society for Antiviral Research (ISAR) (2018)
- Bechtel Faculty Scholar Award, Stanford Child Health Research Institute (2015-2020)
- New Investigator in Global Health Scholarship, Global Health Council (2010)
- Fellowship in Infectious Diseases Award, Robert E. Shope (2008)
- Women Faculty of the School of Medicine Junior Faculty Award, Case Western Reserve University (2008)
- Loan Repayment Award (LRP), NIH Clinical Research (2004-2012)
- American Medical Woman Award, American Medical Women's Association (2000)
- Outstanding Academic Achievement, Merck Award (2000)
- Alpha Omega, Alpha Honor Society (1999)

### **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- County At-Large Community Representative, San Mateo Mosquito and Vector Control District, San Mateo County, CA (2022 - present)
- CEO and CO-Founder, Health and Environment Research Institute-Kenya (2021 - present)
- Invited External Advisory Committee Member, Physician-Scientist T32 "Training Physicians in Emerging Infectious Diseases Research at UTMB (2021 - present)
- Invited External Advisory Committee Member, Centers for Research in Emerging Infectious Diseases Network (CREID) (2021 - present)
- Member, Planetary Health Leadership Group, Stanford University (2021 - present)
- Member, Center for Innovation in Global Health Leadership Group, Stanford University (2021 - present)
- Member Board of Directors, The Caribbean Center for Child Neurodevelopment, St. George's University, Grenada, West Indies (2021 - present)
- Member PhD Admissions Committee, Stanford University Emmett Interdisciplinary Program in Environment and Resources (E-IPER) (2021 - present)
- Chair, ASTMH Green Task Force (2020 - present)
- Invited Member, ASTMH Standing Committee on Development (2020 - present)

- Invited Member, CEPI Rift Valley Fever Task Force (2020 - present)
- Member, WHO Zika Virus Exposures Working Group (2020 - present)
- Elected Board Member, Board of Directors - ASTMH (2019 - present)
- Member, Green Group - ASTMH (2019 - present)
- Member, Shope Fellowship Committee (2019 - 2020)
- Expert Member, GloPID-R Chikungunya working group (2018 - present)
- Member, American Academy of Pediatrics (2018 - present)
- Member, Pediatric Infectious Diseases Society (2018 - present)
- Member, Infectious Disease Society of America (2018 - present)
- Member, Inclusion/Respect Task Force - ASTMH (2018 - present)
- Core Member, Innovation & Integration of Ecosystem-Human Health Science & Tools (2018 - 2021)
- Invited Member, Strategic Blue Ribbon Planning Cmte, ASTMH (2018 - 2020)
- Invited Learner, Stanford Leadership Development Program (2018 - 2019)
- Editorial Advisory Board Member, American Journal of Tropical Medicine and Hygiene (2017 - present)
- Member, WHO ZIKV IPD Consortium, Geneva, Switzerland (2017 - present)
- Chair, American Committee on Arthropod-Borne Viruses (2017 - 2019)
- Chair, Ben Kean Travel Fellowship Award Committee, ASTMH (2016 - present)
- Chair- elect, American Committee on Arthropod-Borne Viruses (2016 - present)
- Chair-elect, American Committee on Arthropod-Borne Viruses (2016 - 2017)
- Affiliated Faculty Member, Emmett Interdisciplinary Program in Environment & Resources, Stanford University (2015 - present)
- Co-Chair, Integrative Program Committee, Stanford University (2015 - present)
- Member, Pediatric Infectious Disease Fellowship Program Evaluation Committee, Stanford University (2015 - present)
- Member, Institution Biosafety Committee, Stanford University (2015 - present)
- Councilor, American Committee on Arthropod-Borne Viruses (2015 - 2020)
- Affiliated Faculty Member, Woods Institute for the Environment, Stanford University (2015 - 2019)
- Member, Adult Infectious Disease Search Committee, Stanford University (2015 - 2016)
- Panelist, NIAID-WHO Gaps & Opportunities in Chikungunya Research: Expert Consultation (2015 - 2015)
- Member, Dual Use Research of Concern Committee, PLoS Journals (2013 - 2020)
- Chair, CTropMedExam Working Group, ASTMH (2013 - 2014)
- Co-Chair, Other Viruses Research Section Symposium, ASTMH Meeting, Washington, DC (2013 - 2013)
- Invited PLoS Representative, WHO Informal Consultation on Dual Use Research of Concern, Geneva, Switzerland (2013 - 2013)
- Director, Pediatric Resident's Research Seminar Series Hospital of Oakland (2012 - 2014)
- Member, Blue Ribbon Committee, ASTMH (2012 - 2014)
- Councilor, ASTMH (2012 - 2012)
- Member, Ben Kean Travel Fellowship Award Committee, ASTMH (2011 - 2016)
- Symposium Organizer / Chair, "Cultural Lessons Learned in Tropical Medicine: Pearls from the Pioneers" ASTMH Annual Meeting (2011 - 2011)
- Journal Editor Round Table Participant, National Science Advisory Board for Biosecurity (NSABB) (2010 - 2012)
- Member, American Academy of Pediatrics International Research Award Selection Committee (2009 - present)
- Member, ASTMH Travel Research Award Selection Ccommittee (2009 - 2017)

- Panelist, Nat. Ctr. for Foreign Animal & Zoonotic Disease Defense Advisory Group - RVF, Washington DC (2009 - 2009)
- Deputy Editor, PLoS NTDs (2008 - present)
- Member, American Society for Tropical Medicine and Hygiene / Courses Committee (2008 - 2017)

## **PROFESSIONAL EDUCATION**

- Medical Education: Medical College Of Wisconsin (2000) WI
- Fellowship: Rainbow Babies and Children's Hospital Pediatric Infectious Disease (2006) OH
- Residency: University Hospitals of Cleveland (2003) OH
- KL2 Scholar, National Institute of Health , Multidisciplinary Research (2009)
- MS, Case Western Reserve University , Clinical Research (2009)
- Board Certification: Pediatric Infectious Diseases, American Board of Pediatrics (2007)
- Fellowship, Rainbow Babies & Children's Hospital, Cleveland, Ohio , Pediatric Infectious Disease (2006)
- Pediatric Residency, Rainbow Babies & Children's Hospital, Cleveland, Ohio , International Health Track (2003)
- Board Certification: Pediatrics, American Board of Pediatrics (2003)
- Pediatric Internship, Rainbow Babies & Children's Hospital, Cleveland, Ohio , International Health Track (2001)
- BS, University of California at San Diego , General Biology (1996)

## **COMMUNITY AND INTERNATIONAL WORK**

- Epidemiology of Arboviruses in Mysore
- Stanford/Kenya Plastics and Health Art Project, Stanford University, Kenya
- Growing HIV/TB Research Knowledge for Growing Healthy Kids in Eswatini, Eswatini
- Neurodevelopment and Vector-borne Diseases: Building Research Capacity in the Tropics, Grenada
- Complex Data and Deep Learning for Disease Outbreak Prediction
- Assessment of Cognitive Functioning in Children Exposed to the Zika Virus
- Trash to Treasure: Collecting trash for profit to reduce vector breeding sites in Kwale County, Kenya, Kenya
- Characterizing the Effects of Antenatal Parasitic Infection on Fetal Immune System Development
- The Spectrum of Zika Disease in Grenada, Grenada
- Predicting dengue transmission in a changing climate to improve mosquito control, Kenya, Ecuador
- Integrated Vector Management as a Strategy for Reduced Disease Risk in Dengue Fever
- Characterization of Immune Factors of Severe and Chronic Chikungunya Disease, Grenada
- Miniaturized Automated Whole Blood Cellular Analysis System, Kenya
- Effects of Parasitic Infections on Vaccine Response, Kenya
- Burden of Chikungunya and Dengue in Kenya, Kenya

## **PATENTS**

- Desiree LaBeaud. "United States Patent ZL 2020 3 0793900.2 Flock of Fame Game", China National Intellectual Property Administration (CNIPA), Jan 1, 2020

## **LINKS**

- My Lab Website: <http://labeaudlab.wordpress.com>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Arthropod-borne viruses are emerging and re-emerging infections that are spreading throughout the world. Our laboratory investigates the epidemiology of arboviral infections, focusing on the burden of disease and the long-term complications on human health. In particular, Dr. LaBeaud investigates dengue, chikungunya, and Rift Valley fever viruses in Kenya, where outbreaks cause fever, arthritis, retinitis, encephalitis, and hemorrhagic fever. Our main research questions focus on the risk factors for arboviral infections, the development of diagnostic tests that can be administered in the field to quickly determine what kind of arboviral infection a person has, and the genetic and immunologic investigation of why different people respond differently to the same infection. Our long-term goals are to contribute to a deeper understanding of arboviral infections and their long-term health consequences and to optimize control strategies to prevent these emerging infections. Our laboratory also investigates the effects of antenatal and postnatal parasitic infections on vaccine responses, growth, and development of Kenyan children.

My lab at Stanford supports the field work that is ongoing in Kenya, but we also have several projects that are based locally. We strive to improve diagnostics of arboviral infections and are using Luminex technology to build a new screening assay. We also have created a Luminex based platform to assess vaccine responses against multiple pathogens.

### PROJECTS

- Characterizing the Effects of Antenatal Parasitic Infection on Fetal Immune System Development - Stanford University, Case Western Reserve University, Ministry of Health- Kenya (1/1/2016 - 1/1/2017)
- Burden of Chikungunya and Dengue in Kenya, Kenya - Stanford University (7/1/2013 - 6/30/2018)
- Integrated Vector Management as a Strategy for Reduced Disease Risk in a Newly Discovered Region of Dengue Fever in Africa - Stanford (9/1/2015 - 8/31/2020)
- Characterization of Immune Factors of Severe and Chronic Chikungunya Disease in Grenada, West Indies - Stanford (8/1/2015 - 7/31/2016)
- Miniaturized Automated Whole Blood Cellular Analysis System - Stanford (6/23/2015 - 6/22/2020)
- Complex Data and Deep Learning for Disease Outbreak Prediction - Stanford (1/1/2017 - 1/1/2018)
- Predicting dengue transmission in a changing climate to improve mosquito control - Stanford University (Depts of Biology and Pediatrics) (7/1/2016 - 6/30/2018)
- The Spectrum of Zika Virus Disease in Grenada - Stanford (1/1/2017 - 1/1/2018)
- Neurodevelopment and Vector-borne Diseases: Building Research Capacity in the Tropics - Stanford (September 1, 2016 - 8/31/2018)
- Trash to Treasure: Collecting trash for profit to reduce vector breeding sites in Kwale County - Bova Network (9/2018 - 8/2019)
- Assessment of cognitive functioning in children exposed to the Zika virus - USAID (4/2018 - December 2018)

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Mira Cheng

#### Postdoctoral Faculty Sponsor

Melanie Kiener, Andreza Parreiras Goncalves, Amna Tariq

#### Master's Program Advisor

Kalani Ratnasiri

#### Postdoctoral Research Mentor

Melanie Kiener

## Publications

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### PUBLICATIONS

- **Yellow Jack's Potential Return to the American South.** *The New England journal of medicine*  
Hotez, P. J., LaBeaud, A. D.  
2023
- **The Importance of Including Non-Household Environments in Dengue Vector Control Activities.** *Viruses*  
Peña-García, V. H., Mutuku, F. M., Ndenga, B. A., Mbakaya, J. O., Ndire, S. O., Agola, G. A., Mutuku, P. S., Malumbo, S. L., Ng'ang'a, C. M., Andrews, J. R., Mordecai, E. A., LaBeaud, A. D.  
2023; 15 (7)
- **OVIPOSITION PREFERENCES OF AEADES AEGYPTI IN MSAMBWENI, KWALE COUNTY, KENYA** *JOURNAL OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION*  
Musunzaji, P., Ndenga, B. A., Mzee, S., Abubakar, L. U., Kitron, U. D., Labeaud, A. D., Mutuku, F.  
2023; 39 (2): 85-95
- **Does Intra-Uterine Exposure to the Zika Virus Increase Risks of Cognitive Delay at Preschool Ages? Findings from a Zika-Exposed Cohort from Grenada, West Indies.** *Viruses*  
Fernandes, M., Evans, R., Cheng, M., Landon, B., Noël, T., Macpherson, C., Cudjoe, N., Burgen, K. S., Waechter, R., LaBeaud, A. D., Blackmon, K.  
2023; 15 (6)
- **Factors Associated with Chikungunya Infection among Pregnant Women in Grenada, West Indies.** *The American journal of tropical medicine and hygiene*  
Kiener, M., Cudjoe, N., Evans, R., Mapp-Alexander, V., Tariq, A., Macpherson, C., Noel, T., Gerardin, P., Waechter, R., LaBeaud, A. D.  
2023
- **Author Correction: Chikungunya fever.** *Nature reviews. Disease primers*  
Bartholomeeusen, K., Daniel, M., LaBeaud, D. A., Gasque, P., Peeling, R. W., Stephenson, K. E., Ng, L. F., Ariën, K. K.  
2023; 9 (1): 26
- **Characterization and investigation of risk factors for Late-relapsing hepatitis after yellow fever.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
de Rezende, I. M., McClure, M. A., Pereira, L. S., Fradico, J. R., Cenachi, A. R., Moura, A. S., Paladino, L. L., Dutra, M. R., Alves, P. A., Xavier, M. A., Said, R. F., Ramalho, D. B., Gama, et al  
2023
- **Chikungunya fever.** *Nature reviews. Disease primers*  
Bartholomeeusen, K., Daniel, M., LaBeaud, D. A., Gasque, P., Peeling, R. W., Stephenson, K. E., Ng, L. F., Ariën, K. K.  
2023; 9 (1): 17
- **Serum soluble mediators as prognostic biomarkers for morbidity, disease outcome, and late-relapsing hepatitis in yellow fever patients.** *Clinical immunology (Orlando, Fla.)*  
Fradico, J. R., Campi-Azevedo, A. C., Speziali, E., do Valle Antonelli, L. R., Peruhype-Magalhães, V., de Rezende, I. M., Alves, P. A., Pascoal-Xavier, M. A., Pereira, L. S., Dutra, M. R., Ramalho, D. B., Cenachi, A., de Paula, et al  
2023: 109321
- **Spatiotemporal overlapping of dengue, chikungunya, and malaria infections in children in Kenya.** *BMC infectious diseases*  
Khan, A., Bisanzio, D., Mutuku, F., Ndenga, B., Grossi-Soyster, E. N., Jembe, Z., Maina, P. W., Chebii, P. K., Ronga, C. O., Okuta, V., LaBeaud, A. D.  
2023; 23 (1): 183
- **Pupal productivity of larval habitats of Aedes aegypti in Msambweni, Kwale County, Kenya.** *Parasitology research*  
Mwikutwaa, A. S., Ngugi, H. N., Ndenga, B. A., Krystosik, A., Ngari, M., Abubakar, L. U., Yonge, S., Kitron, U., LaBeaud, A. D., Mutuku, F. M.  
2023
- **Exploring potential risk pathways with high risk groups for urban Rift Valley fever virus introduction, transmission, and persistence in two urban centers of Kenya.** *PLoS neglected tropical diseases*  
Gerken, K. N., Maluni, J., Mutuku, F. M., Ndenga, B. A., Mwashee, L., Ichura, C., Shaita, K., Mwaniki, M., Orwa, S., Seetah, K., LaBeaud, A. D.  
2023; 17 (1): e0010460

- **Detection of acute dengue virus infection, with and without concurrent malaria infection, in a cohort of febrile children in Kenya, 2014-2019, by clinicians or machine learning algorithms.** *PLOS global public health*  
Vu, D. M., Krystosik, A. R., Ndenga, B. A., Mutuku, F. M., Ripp, K., Liu, E., Bosire, C. M., Heath, C., Chebii, P., Maina, P. W., Jembe, Z., Malumbo, S. L., Amugongo, et al  
2023; 3 (7): e0001950
- **Leveraging livestock movements to urban slaughterhouses for wide-spread Rift Valley fever virus surveillance in Western Kenya** *ONE HEALTH*  
Gerken, K., Ndenga, B., Owuor, K., Winter, C., Seetah, K., LaBeaud, A.  
2022; 15: 100457
- **Characterization and regulation of microplastic pollution for protecting planetary and human health.** *Environmental pollution (Barking, Essex : 1987)*  
Jung, Y. S., Sampath, V., Prunicki, M., Aguilera, J., Allen, H., LaBeaud, D., Veidis, E., Barry, M., Erny, B., Patel, L., Akdis, C., Akdis, M., Nadeau, et al  
2022: 120442
- **How Should US Health Care Lead Global Change in Plastic Waste Disposal?** *AMA journal of ethics*  
Jain, N., LaBeaud, D.  
2022; 24 (10): E986-993
- **Yellow Fever Molecular Diagnosis Using Urine Specimens during Acute and Convalescent Phases of the Disease.** *Journal of clinical microbiology*  
de Rezende, I. M., Oliveira, G. F., Costa, T. A., Khan, A., Pereira, L. S., Santos, T. A., Alves, P. A., Calzavara-Silva, C. E., Martins-Filho, O. A., Teixeira-Carvalho, A., LaBeaud, A. D., Drumond, B. P.  
2022: e0025422
- **Why Climate Action Is Global Health Action.** *The American journal of tropical medicine and hygiene*  
2022
- **Urban risk factors for human Rift Valley fever virus exposure in Kenya.** *PLOS global public health*  
Gerken, K. N., Mutuku, F. M., Ndenga, B. A., Agola, G. A., Migliore, E., Fabre, E. P., Malumbo, S., Shaita, K. N., Rezende, I. M., LaBeaud, A. D.  
2022; 2 (7): e0000505
- **A Retrospective Study of the Seroprevalence of Dengue Virus and Chikungunya Virus Exposures in Nigeria, 2010-2018.** *Pathogens (Basel, Switzerland)*  
Ekong, P. S., Aworh, M. K., Grossi-Soyster, E. N., Wungak, Y. S., Maurice, N. A., Altamirano, J., Ekong, M. J., Olugasa, B. O., Nwosuh, C. I., Shamaki, D., Faburay, B., LaBeaud, D. A.  
2022; 11 (7)
- **Night Time Extension of Aedes aegypti Human Blood Seeking Activity.** *The American journal of tropical medicine and hygiene*  
Ndenga, B. A., Mutuku, F. M., Ngugi, H. N., Mbakaya, J. O., Mukoko, D., Kitron, U., LaBeaud, A. D.  
2022
- **Characterizing the Severity of SARS-CoV-2 Variants at a Single Pediatric Center** *FRONTIERS IN MEDICINE*  
Khan, A., Ichura, C., Wang, H., Rezende, I., Sahoo, M. K., Huang, C., Solis, D., Sibai, M., Yamamoto, F., Nyathi, S., Bayrau, B., Pinsky, B. A., LaBeaud, et al  
2022; 9: 896352
- **Majority of pediatric dengue virus infections in Kenya do not meet 2009 WHO criteria for dengue diagnosis.** *PLOS global public health*  
Khan, A., Ndenga, B., Mutuku, F., Bosire, C. M., Okuta, V., Ronga, C. O., Mutai, N. K., Musaki, S. K., Chebii, P. K., Maina, P. W., Jembe, Z., Amugongo, J. S., Malumbo, et al  
2022; 2 (4): e0000175
- **Larval source reduction with a purpose: Designing and evaluating a household- and school-based intervention in coastal Kenya.** *PLoS neglected tropical diseases*  
Forsyth, J. E., Kempinsky, A., Pitchik, H. O., Alberts, C. J., Mutuku, F. M., Kibe, L., Ardoin, N. M., LaBeaud, A. D.  
2022; 16 (4): e0010199
- **Uncovering the Burden of Dengue in Africa: Considerations on Magnitude, Misdiagnosis, and Ancestry.** *Viruses*  
Gainor, E. M., Harris, E., LaBeaud, A. D.  
2022; 14 (2)
- **Climate Change and Global Health: A Call to more Research and more Action.** *Allergy*  
Agache, I., Sampath, V., Aguilera, J., Akdis, C., Akdis, M., Barry, M., Bouagnon, A., Chinthrajah, S., Collins, W., Dulitzki, C., Erny, B., Gomez, J., Goshua, et al  
1800



- **Paving the way for human vaccination against Rift Valley fever virus: A systematic literature review of RVFV epidemiology from 1999 to 2021.** *PLoS neglected tropical diseases*  
Gerken, K. N., LaBeaud, A. D., Mandi, H., L'Azou Jackson, M., Breugelmanns, J. G., King, C. H.  
1800; 16 (1): e0009852
- **Dietary Intake and Pneumococcal Vaccine Response Among Children (5-7 Years) in Msambweni Division, Kwale County, Kenya.** *Frontiers in nutrition*  
Migliore, E., Amaita, V. K., Mutuku, F. M., Malhotra, I. J., Mukoko, D., Sharma, A., Kalva, P., Kang, A. S., King, C. H., LaBeaud, A. D.  
2022; 9: 830294
- **Wild-type Yellow fever virus in cerebrospinal fluid from fatal cases in Brazil, 2018.** *Frontiers in virology (Lausanne, Switzerland)*  
de Rezende, I. M., Cenachi, A. R., Costa, T. A., Oliveira, G. F., Rabelo, L., Menezes, L. M., Penido, I., Pereira, L. S., Arruda, M. S., Gonc Alves, A. P., Alves, P. A., Kroon, E. G., Calzavara-Silva, et al  
2022; 2
- **DENGUE VIRUS INFECTION LOWERED THE PERCENTAGE OF ATYPICAL MEMORY B CELLS IN KENYAN CHILDREN**  
Vu, D. M., Kowli, S., Mutuku, F. M., Krystosik, A. R., Amugongo, J. S., Malumbo, S. L., Chebii, P. K., Maina, P. W., Maecker, H. T., LaBeaud, A.  
AMER SOC TROP MED & HYGIENE.2021: 327-328
- **ABUNDANCE OF Aedes aegypti female mosquitoes in spaces surrounding residential and non-residential structures in western and coastal Kenya**  
Ndenga, B. A., Mutuku, F., Agola, G., Mbakaya, J., Ndire, S., Malumbo, S., Mutuku, P., LaBeaud, A. D.  
AMER SOC TROP MED & HYGIENE.2021: 322
- **SPATIOTEMPORAL OVERLAPPING OF DENGUE, CHIKUNGUNYA, AND MALARIA INFECTIONS IN CHILDREN IN KENYA**  
Khan, A., Bisanzio, D., Mutuku, F., Ndenga, B., Jembe, Z., Maina, P., Chebii, P., Ronga, C., Mwambingu, L., Okuta, V., LaBeaud, D.  
AMER SOC TROP MED & HYGIENE.2021: 44-45
- **USING MHEALTH SMS SURVEYS FOR ACTIVE SURVEILLANCE OF FEBRILE ILLNESS IN KENYA**  
Ivory, J., Khan, A., Mutuku, F., Ndenga, B., Ronga, C., Godana, O., Mwangosho, K., Wanjala, L., Okuta, V., Jembe, Z., Agola, G., Kang, A., LaBeaud, et al  
AMER SOC TROP MED & HYGIENE.2021: 31
- **MAJORITY OF PEDIATRIC DENGUE VIRUS INFECTIONS IN KENYA DO NOT MEET THE 2009 WHO CRITERIA FOR DENGUE DIAGNOSIS**  
Khan, A., Ndenga, B., Mutuku, F., Ronga, C., Mwambingu, L., Okuta, V., Jembe, Z., Maina, P., Chebii, P., LaBeaud, D.  
AMER SOC TROP MED & HYGIENE.2021: 185
- **EFFECT OF COVID-19 ON TREATMENT-SEEKING AMONG PEOPLE LIVING IN A MALARIA-ENDEMIC AREA OF COASTAL KENYA**  
Bisanzio, D., Mutuku, F., Ndenga, B., N'ang'a, C., Malumbo, S., Agola, G., LaBeaud, A.  
AMER SOC TROP MED & HYGIENE.2021: 65-66
- **SEROPREVALENCE OF RIFT VALLEY FEVER VIRUS IN URBAN KENYA: A POTENTIAL PUBLIC HEALTH BURDEN HIDING IN PLAIN SIGHT**  
Gerken, K. N., Migliore, E., Malumbo, S., Shaita, K. N., Agola, G., Fabre, E., Mutuku, F., Ndenga, B., LaBeaud, A.  
AMER SOC TROP MED & HYGIENE.2021: 57-58
- **DENGUE AND CHIKUNGUNYA VIRUS EXPOSURE AMONG URBAN POPULATIONS IN WESTERN AND COASTAL KENYA**  
Migliore, E., Mutuku, F. M., Ndenga, B. A., Agola, G., Sagina, J., Jembe, Z., Ng'ang'a, C., Godana, O., Kalva, P., Puntasecca, C. J., Sharma, A., Kang, A. S., LaBeaud, et al  
AMER SOC TROP MED & HYGIENE.2021: 46
- **DIETARY INTAKE AND PNEUMOCOCCAL VACCINE RESPONSE AMONG CHILDREN (5-7 YEARS) IN MSAMBWENI DIVISION, KWALE COUNTY, KENYA**  
Migliore, E., Amaita, V. K., Mutuku, F. M., Malhotra, I., Mukoko, D., Sharma, A., Kalva, P., Kang, A. S., King, C. H., LaBeaud, A.  
AMER SOC TROP MED & HYGIENE.2021: 429-430
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