

August 29, 2020

CURRICULUM VITAE

Daniel M. Parker, Ph.D.

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EDUCATION

2014 Ph.D.; Pennsylvania State University; (*Anthropology and Demography*)
2011 M.A.; Pennsylvania State University; (*Anthropology and Demography*)
2009 B.A. (Cum Laude); University of Washington; (*Anthropology, certificate in Medical Anthropology and Global Health, minor in African Studies*)

ACADEMIC APPOINTMENTS

July 2017 – current

Assistant Professor: Program in Public Health; Department of Population Health & Disease Prevention; University of California, Irvine

April 2019 – current

Assistant Professor (courtesy appointment): Department of Epidemiology; School of Medicine; University of California, Irvine

March 2014 – June 2017

Postdoctoral researcher and GeoUnit Supervisor: Shoklo Malaria Research Unit, Mahidol Oxford Tropical Medicine Research Unit, Mae Sot, Tak Province, Thailand

GRANTS, CONTRACTS, AND RESEARCH AWARDS

EXTERNAL FUNDING

- 2020 - 2021 Federal Emergency Management Agency. Principal Investigator. “*Health Equity Contact Tracing*.” In collaboration with Orange County Health Care Agency; contract: MA-042-21010038. (\$217,045)
- 2020 – 2021 Federal Emergency Management Agency. Co-Investigator. “*Population-Wide Surveillance of COVID-19 Antibodies in Orange County*.” In collaboration with Orange County Health Care Agency. PI: Tim Bruckner (mPI Bernadette Boden-Albala). (\$1,700,000)
- 2020 – 2024 National Institutes of Health/Fogarty International Center. Mentor. Project title: “*Population Biology of African Malaria Vectors*.” D43 Training Grant; FAIN: TW001505; PI: Guiyun Yan (\$270,000 annual direct costs)
- 2019 - 2021 National Institute of Allergy and Infectious Disease. Subrecipient Principal Investigator. Project title: “*Assessing the acceptability of malaria interventions: a mixed methods approach*.” U19 Clinical Trial Option; FAIN: U19AI089672; Subaward number: 6123-1247-00-D; Part of the Southeast Asian Center for Excellence in Malaria Research (\$198,000)
- 2019 - 2021 Bill and Melinda Gates Foundation. Co-Principal Investigator. Project title: “*Identification and characterization of vector-borne pathogens and vector exposures to define regional biomonitoring strategies and vector control efforts in Cambodia*.” Award: OPP1211806. PI: Jessica Manning. (\$100,000)
- 2018 - 2020 Division of Intramural Research, Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Disease. Associate Investigator. “*Investigating vector-borne determinants of disease in Aedes-transmitted illnesses*.” Protocol 18-I-N100. PI: Jessica Manning.
- 2017 - 2018 Thailand Regional Artemisinin Initiative, through the Global Fund to fight AIDS, Tuberculosis and Malaria. Co-Investigator. “*GPS tracking of at-risk population movement in the Thai-Myanmar border region*.” PI: François Nosten. (\$20,000)
- 2014 - 2017 Bill and Melinda Gates Foundation. Co-Investigator. “*Targeted malaria elimination in Karen State, Myanmar*.” Award: OPP1117507. PI: François Nosten. (\$6,326,573)
- 2015 Save the Children Nepal. Consultant. Mapping and GIS for malaria health services and elimination
- 2014 Community Partners International Myanmar. Consultant. Mapping and GIS for malaria elimination.

INTERNAL FUNDING

2019	Faculty Seed Grant; Center for Population, Inequality, and Policy; University of California, Irvine (\$4,442)
2019	Faculty Research Grant, Council on Research, Computing, and Libraries (CORCL), University of California, Irvine (\$1,500)
2018	Faculty Research Grant, Council on Research, Computing, and Libraries (CORCL), University of California, Irvine (\$1,500)
2014	Shultz Family Graduate Fellowship, College of Liberal Arts, Pennsylvania State University (<i>declined</i>) (\$4,000)
2013	Donald E. Harvey Graduate Scholarship, College of Liberal Arts, Pennsylvania State University (\$2,000)
2013	Matson Museum Ceramics Award, Department of Anthropology, Pennsylvania State University (\$4,600)
2013	Hill Fellowship Post-Comprehensive Examination Award, Department of Anthropology, Pennsylvania State University (\$6,120)
2013	William T. Sanders award in Anthropology, Pennsylvania State University (\$1,000)
2013	Research and Graduate Studies (RGSO) travel grant, Pennsylvania State University (\$457)
2013	Demography Program Travel Grant, Pennsylvania State University (\$500)
2012	Paul T. Baker Research Travel Fund in Human Biology and Anthropology, Department of Anthropology, Pennsylvania State University (\$416)
2012	RGSO travel grant, Pennsylvania State University (\$500)
2012	Hill Fellowship Post-Comprehensive Examination Award, Department of Anthropology, Pennsylvania State University (\$2,854)
2011	Paul T. Baker Research Travel Fund in Human Biology and Anthropology, Department of Anthropology, Pennsylvania State University (\$2,000)
2011	RGSO travel grant, Pennsylvania State University (\$400)
2011	Tag Along Fund, College of Agricultural Sciences, Pennsylvania State University (\$750)
2010	RGSO travel grant, Penn State University (\$400)
2009	IGERT Program in Evolutionary Modeling (IPEM) Fellowship, University of Washington, (<i>declined</i>)

- 2008 Fritz Grant for International Study, University of Washington
- 2008 Stewart Alva Nereim Scholarship (\$1000)
- 2008 Myra A. and Suzanne Johnson Hansen Memorial Scholarship (\$4,332)

HONORS & AWARDS

- 2020 Distinguished panelist for “The Future of the COVID Curve” at the Orange County Forum
- 2020 Inducted into UCI’s Delta Rho chapter of the Delta Omega Honorary Society in Public Health
- 2020 Dean’s Honoree for Public Health Celebration of Teaching, University of California, Irvine
- 2012 William S. Pollitzer Travel Award, American Association of Physical Anthropologists
- 2011 William S. Pollitzer Travel Award, American Association of Physical Anthropologists
- 2010 Juan Comas Award for best student paper, American Association of Physical Anthropologists Annual Meeting, Albuquerque, NM
- 2009 Curtis Wienker award for Best Biocultural Anthropology Essay, University of Washington

PROFESSIONAL SERVICE

Service to the University

April 2020 – present
Faculty workload committee member

December 2019 – present
PhD admissions committee member

December 2019 – present
Faculty affairs committee member

May 2019 – present
Faculty advisory board member for the UCI Infectious Diseases Initiative

May 2019
UCI Public Health Diverse Educational Community and Doctoral Experience Program (DECADE) Student Council, Invited Panelist, Careers Panel

April 2019 - present
GHREAT-DITA Endowed Graduate Fellowship Committee

October 2018 – June 2019

Designed and established an undergraduate minor in Global Health

August 2017 – present

Steering committee member GloCal Health Fellowship Program

August 2017 – present

Director of GHREAT (Global Health Research, Education and Translation); Department of Population Health and Disease Prevention; Program in Public Health

Service to the field

July 2020

Epidemiological investigation of Orange County Jails with regard to the COVID-19 outbreak, at request of ACLU of Southern California

May 2018 – present

Global Assessor (reviewer for small grants); Royal Society of Tropical Medicine and Hygiene

August 2018 – present

Editorial board: Spatial Demography

Invited expert reviewer for:

MRC UKRI Future Leaders Fellowships (2019)

European Research Council Consolidator Grants

Academy of Medical Sciences, United Kingdom, Springboard scheme (2019)

National Institutes of Health/National Institute of Allergy and Infectious Disease (2020)

Manuscript review for peer-reviewed journals

American Journal of Physical Anthropology, Asian Pacific Journal of Tropical Disease, BMC Infectious Diseases, BMC Medicine, BMC Public Health, Demography, Demographic Research, Emerging Infectious Diseases, Environmental Monitoring and Assessment, Expert Review of Molecular Diagnostics, Health and Place, Infectious Diseases of Poverty, International Journal of Molecular Sciences, Journal of the Association for Information Science and Technology, Journal of Mountain Science, Journal of Youth Studies, Lancet Infectious Diseases, Lancet Planetary Health, Malaria Journal, PLoS One, PLoS Medicine, Population and Environment, Scientific Reports, Social Science & Medicine, Spatial Demography

TEACHING/ADVISING

2018 (Spring)	PH101: Introduction to Epidemiology,	246 undergraduates
2018 (Fall)	PH213: International Epidemiology,	13 graduates
2019 (Spring)	PH101: Introduction to Epidemiology,	242 undergraduates
2019 (Fall)	PH213: International Epidemiology,	8 graduates
2020 (Spring)	PH101: Introduction to Epidemiology	250 undergraduates

2020 (Spring) PH289: Climate Change and Global Health 14 graduates

Graduate Student Committee Member

Current PhD

12/2017 – 06/2018 Tamara Jimah, Member of committee for advancement to Doctoral Candidacy
08/2018 – present Brook Jeang, Pre-candidacy Doctoral Advisor
01/2019 – 06/2020 Sara Goodman, Pre-candidacy Doctoral Advisor
04/2019 – present Lauren Bradley, Doctoral Committee; Biological Sciences
12/2019 – 01/2020 Alfonso Shin, Member of committee for advancement to Doctoral Candidacy; Biomedical Engineering

Completed PhD

08/2017 – 06/2019 Sayambhu Saita, Doctoral Committee Chair; Mahidol University, Thailand

Undergraduate Research Advising

2019/2020 Hector M. Garcia: Vaccines: Role of a UCI student's living situation in vaccine barriers (awarded \$350 for research on access to the influenza vaccine among UCI students)
2019/2020 Chas P. Hurst, Nydia I. Gomez, Aqsa Khalil: Exploring food insecurity and its effect on academics and wellbeing among college students (awarded \$400 for research on food security among UCI students)
2018/2019 Stephanie Nguyen and Nhu Do: Psychosociocultural investigation of smoking cessation of previous Vietnamese male smokers in Orange County (awarded \$400 for research; presented at UROP symposium Spring 2019)
2018/2019 Elizabeth Savin, Jessica Oshiro, Noor Elbershawi, Rita L. Karaian and Mahima Avanti: Flu vaccine perceptions among University of California, Irvine (UCI) students (awarded \$648 for research; presented at UROP symposium Spring 2019)
2017/2018 Samar Arshad and Catherine Chiou: Assessing the knowledge of and access to contraceptives among female undergraduate students at the University of California, Irvine (awarded \$500 for research; presented at UROP symposium Spring 2018)

Workshops

2020 Health Equity Contact Tracing. University of California, Irvine; July 20 – September 18.
2017 Introduction to Quantum GIS (QGIS). Shoklo Malaria Research Unit, Mahidol Oxford Tropical Medicine Research Unit, Mae Sot, Thailand; June 17 – 18.
2016 Introduction to ArcMap and GIS for malaria elimination. Save the Children Nepal and Epidemiology and Disease Control Division, Department of Health Services, Kathmandu, Nepal; June 16.

- 2016 Introduction to Quantum GIS (QGIS). Lao-Oxford-Mahosot Hospital Wellcome Trust Research Unit, Vientiane, Laos; May 23 – 25.
- 2016 Mapping health services in Eastern Burma Workshop. Burmese Medical Association and Karen Department of Health and Welfare, Mae Sot, Thailand; March 30 – April 1 (with Saw Poe Wah and Saw Myo Chit Min).
- 2016 Mass drug administration in low-income countries. University of Copenhagen, School of Global Health; July 25 – August 26. *Contributed five short videos on mass drug administration for malaria.*
- 2015 Introduction to global positioning systems and geographic information systems for malaria elimination. Save the Children Nepal and Epidemiology and Disease Control Division, Department of Health Services, Hetauda and Chitwan, Nepal; December 8 – 9; Kathmandu, Nepal; December 11.
- 2014 Workshop on mapping health structures for malaria elimination. Community Partners International, Karen Department of Health and Welfare, Karen Baptist Convention, Dawei, Myanmar; October 27 – 29.

PROFESSIONAL MEMBERSHIPS

American Society of Tropical Medicine and Hygiene
 International Society for Infectious Diseases
 Royal Society of Tropical Medicine and Hygiene
 John Snow Society

MEDIA & OTHER INTERVIEWS

August 15, 2020: Interviewed by Tammy Webber for an article on fear of contact tracing among immigrants in the Associated Press:

<https://apnews.com/67d8c0778472c9c06bb5b1a0622375c2>

July 28, 2020: Interviewed by Tyler Kingkade regarding contact tracing for COVID-19 in California:

<https://www.nbcnews.com/news/us-news/california-coronavirus-cases-spike-contact-tracing-stalled-fear-embarrassment-n1235345>

July 22, 2020: Interviewed by Jessica De Nova for ABC7 regarding geographic spread of COVID-19 in OC: <https://abc7.com/orange-county-coronavirus-oc-covid-19-santa-ana/6329876/>

July 16, 2020: Presentation to the Anaheim Unified High School District and the Anaheim Elementary School District Boards on whether or not school should be in-person (both voted unanimously to open the school year remotely)

<https://www.ocregister.com/2020/07/16/two-anaheim-school-districts-wont-reopen-campus-this-fall/>

July 9, 2020: Panelist on OC Forum: The Future of: The COVID Curve:

<https://www.youtube.com/watch?v=DY34AukTnII>

July 8, 2020: Town hall discussion with Senator Ling Ling Chang on contact tracing for COVID-19 (Senator for the 29th District of California): <https://voiceofoc.org/2020/06/oc-partners-with-community-group-to-reduce-coronavirus-impacts-on-anaheim-santa-ana/>

May 18, 2020: Interviewed by Ashley Ludwig regarding COVID-19 in Orange County <https://patch.com/california/orange-county/nearly-4-500-cases-coronavirus-orange-county>

May 15, 2020: Interview with Paul Anderson of the City News Service regarding COVID-19 in Orange County: <https://www.nbclosangeles.com/news/coronavirus/orange-county-reports-155-more-cases-of-covid-19/2364155/>

May 4, 2020: Interviewed by Katie Murar for OC Business Journal regarding COVID-19 in Orange County: <https://www.ocbj.com/news/2020/may/04/covid-19-first-coast-now-inland/>

May 1, 2020: My expert opinion was referenced by ACLU of Southern California regarding COVID-19 in jails: <https://www.latimes.com/california/story/2020-05-01/warning-coronavirus-could-quadruple-in-orange-county-jails-aclu-sues-oc-sheriff-to-free-inmates>

March 20, 2020: Interviewed by Liz Scherer: <https://www.everydayhealth.com/coronavirus/should-you-diy-hand-sanitizer-health-experts-weigh-in/>

March 3, 2020: Interviewed by Patrice Apodaca of Daily Pilot: <https://www.latimes.com/socal/daily-pilot/opinion/story/2020-03-10/coronavirus-one-reason-to-stop-shaking-hands>

March 2, 2020: Interviewed by Alicia Lee from CNN: <https://www.cnn.com/2020/03/03/health/coronavirus-diy-hand-sanitizer-trnd/index.html>

December 2019: Interview with Lilibeth Garcia about my malaria work for UCI's webpage: <https://news.uci.edu/2020/01/13/on-a-mission-to-mitigate-malaria/>

March 2016: Interviewed by Sarika Bansal for article titled "The Unrelenting Specter of Drug-Resistant Malaria" on "The Development Set": <https://medium.com/the-development-set/the-unrelenting-specter-of-drug-resistant-malaria-da11f736c973#.oypacg437>

April 2015: Interviewed by Alexa C. Kurzius for article titled "Mapping Malaria in Myanmar" on the Johns Hopkins Bloomberg School of Public Health "Global Health Now" blog: available at: <https://www.globalhealthnow.org/2015-04/mapping-malaria-myanmar>

CONFERENCE PRESENTATIONS (* indicates presenter)

1. ***Parker D.**, Medina C. Comparison of chiroptera and arthropod diversity in the Amazon Basin and the Andean Cloud Forest. *Centro de Educacion, Ciencia, y Conservacion Tambopata (CECCOT), Puerto Maldonado, Peru*. 2008. [talk]

2. ***Parker D.** A survey of the arthropod populations within the phytotelmata of tank bromeliads in the cloud forests of the Andes. *UW Undergraduate Research Symposium*. 2009. [poster]
3. ***Parker D.**, Curran S. The meanings of destination enclaves in origin communities and their consequences for migrant networks between origin and destination communities. *Population Association of America, Dallas, TX. P3-58*. 2010. [poster]
4. ***Parker D.**, Holman D. An event history analysis of dengue fever outbreaks in eight different endemic regions. *American Association of Physical Anthropologists, Albuquerque, NM. 141(S50):pp. 184-185*. 2010. [poster]
5. ***Parker D.**, Jennings J. Wood J. Sex and age-specific trends in the loss of life from tuberculosis in Sanday and Westray, Northern Orkney (Scotland), 1861-1961. *American Association of Physical Anthropologists, Minneapolis, MN. 144(S52):p. 234*. 2011. [poster]
6. ***Parker D.**, Lerdprom R., Srisatjarak W., Yan G., Prachumsri J., Cui L., Sirichaisinthop J. Antimalarial drug resistance surveillance in Thailand: 1994 – 2010. *American Society of Tropical Medicine and Hygiene, Philadelphia, PA. 85(6 Suppl): LB-2286*. 2011. [poster]
7. ***Parker D.**, Jennings J. Wood J. Transitions in mortality and documented causes of death: North Orkney (1855 – 1955). *American Association of Physical Anthropologists, Portland, OR. 147(S54):pp. 232-233*. 2012. [poster]
8. *Jennings J., **Parker, D.**, Wood J. The influence of environmental and household factors on mortality in North Orkney, 1851 – 1961. *Population Association of America, San Francisco, CA. P2-32*. 2012. [poster]
9. ***Parker D.**, Matthews S., Srisatjarak W., Boonpan P., Lerdprom R., Lee M., Yan G., Sattabongkot J., Cui L., Sirichaisinthop J. A spatio-temporal analysis of *Plasmodium falciparum* and *P. vivax* infections and treatment seeking behavior in Tha Song Yang District, Tak Province, Thailand: 2008 - 2011. *American Society of Tropical Medicine and Hygiene, Atlanta, GA. 877*. 2012. [poster]
10. ***Parker D.M.**, Wood J.W., Tomita S., DeWitte S., Sirichaisinthop J., Cui L. Household level predictors and migration: a micro-demographic study of Karen villages along the Thai-Myanmar border. *Population Association of America, New Orleans, LA. P3-76*. 2013. [poster]
11. ***Parker D.M.**, Wood J.W., Tomita S., DeWitte S., Sirichaisinthop J., Cui L. A sensitivity analysis of the impact of household consumer-producer ratios on the hazard of out-migration among the Karen. *American Association of Physical Anthropologists, Knoxville, TN. 150(S56): pp. 216-217*. 2013. [talk]
12. **Parker D.M.**, Matthews S.A., *Sattabongkot J., Sirichaisinthop J., Kiattibutr K., Yan G., Zhou G., Lee M., Fan Q., Li P., Cui L. Malaria in borderlands: A case study from the Thailand-Myanmar border. *American Society of Tropical Medicine and Hygiene, New Orleans, LA. 941*. 2014. [poster]

13. *Ya-umphan P., **Parker D.M.**, Cerqueira D., Cottrell G., Poinsignon A., Remoue F., Charoenviriyaphap T., Nosten, F., Corbel V. Human antibody response to Anopheles salivary peptide as a biomarker to assess the risk of malaria transmission in the Thai-Myanmar border. *Joint International Tropical Medicine Meeting, Bangkok, Thailand.* 2015. [poster]
14. ***Parker D.M.**, Landier J., Wiladpaingern J., Kereecharoen L., Maelankiri L., Thwin M.M., Nosten F.H. Complex spatial patterns in Southeast Asian falciparum malaria transmission mean that reactive case detection is unlikely to halt transmission. *Joint International Tropical Medicine Meeting, Bangkok, Thailand.* 2015. [talk]
15. Thi S.S., ***Parker D.M.**, Swe L.L., Ling C., Nosten F.H. Migrants with multi-drug resistant tuberculosis. *XXV SMRU Border Meeting: Border Health, Malaria and Infectious Disease Forum, Mae Sot, Thailand.* 2015. [talk]
16. *Bonnington C., **Parker D.M.**, Landier J., Nosten, F. Practicalities of malaria elimination in Eastern Burma. *Oxford Tropical Network Conference, Siem Reap, Cambodia.* 2015. [poster]
17. ***Parker D.M.** Spatial analysis of the re-emergence of clinical and asymptomatic Plasmodium falciparum in a low-uptake targeted chemo-elimination study site. *Oxford Tropical Network Conference, Siem Reap, Cambodia.* 2015. [talk]
18. *Swe Lei Lei, **Parker D.M.**, Nosten S., Charunwatthana P., Vincenti-Delmas M. Putting life on hold: A clinic becomes a community for tuberculosis patients. *Joint International Tropical Medicine Meeting, Bangkok, Thailand.* 2015. [poster]
19. *Taylor A., Cerqueira G.C., Nkhoma S.C., Nair S., Cheeseman I.H., McDew-White M., Phyo A.P., **Parker D.M.**, Nosten F., Anderson T.J.C., Wesolowski A., Engø-Monsen K., Neafsey D.E., Buckee C. Malaria parasite population structure and implied human mobility in Northwest Thailand. *American Society of Tropical Medicine and Hygiene, Atlanta, GA. 1580.* 2016. [poster]
20. ***Parker D.M.**, Landier J., Thu A.M., Kajeewiwa L., Twin M.M., Soe T.N., Proux S., Tun S.W., Min M.C., Moo K.L., Lwin K.M., Khin S.D., Marta E., Delmas G., Nosten F. Geographic distribution and spatial clustering of submicroscopic malaria in Kayin State, Myanmar. *American Society of Tropical Medicine and Hygiene, Atlanta, GA. 922.* 2016. [poster]
21. Landier J., ***Parker D.M.**, Thu A.M., Kajeewiwa L., Twin M.M., Soe T.N., Proux S., Tun S.W., Min M.C., Moo K.L., Lwin K.M., Khin S.D., Marta E., Delmas G., Nosten F. Relative contribution of generalized early diagnosis and treatment and of targeted mass treatment to elimination of Plasmodium falciparum malaria in Eastern Myanmar. *American Society of Tropical Medicine and Hygiene, Atlanta, GA. 1217.* 2016. [talk]
22. *Landier J., Santirad A., Wanachaloemlap C., B'let S., Kittitawee K., Konghahong K., Christensen P., Haohankhunnatham W., Archasuksan L., Wongaeka M., Raksuansak J., Das S., Jang I.K., Wiladphaingern J., **Parker D.M.**, Thu A.M., Ling C., Proux S., Domingo G.J., Delmas G., Nosten F. A new high sensitivity rapid diagnostic test for Plasmodium falciparum detection in an elimination setting: individual diagnosis of

- infection and measurement of prevalence. *American Society of Tropical Medicine and Hygiene, Baltimore, MD*. 967. 2017. [poster]
23. *Tomita S., **Parker D.M.** Household demography and land-use in a rice-farming village in Laos from 1971 to 2013. *American Association of Physical Anthropologists, New Orleans, LA*. S56. 2017. [poster]
 24. *Pan-ngum W., Boondam J., White L.J., **Parker D.M.** Cross-border malaria and new challenges to Thai national malaria control programme. *British Society for Parasitology, City of Dundee, UK*. A12865. 2017. [talk]
 25. *Roberts T., Rattanavong S., Elliot I., Phommasone K., Mayxay M., Chansamouth V., Homsana A., Robinson M., Blacksell S., **Parker D.M.**, Newton P.N. Come rain or come shine. Differential spatiotemporal dynamics of scrub typhus and murine typhus in the Lao PDR. *American Society of Tropical Medicine and Hygiene, New Orleans, LA*. 754. 2018. [talk]
 26. Rattanavong S., Dubot-Pérès A., Mayxay M., Vongsouvath M., Lee S.J. Cappelle J., Newton P.N., ***Parker D.M.** A spatial analysis of central nervous system infections in Lao PDR. *American Society of Tropical Medicine and Hygiene, New Orleans, LA*. LB-5125. 2018. [poster]
 27. *Bipin Adhikari B., Phommasone K., Pongvosa T., Koummarasy P., Soundala X., Henriques G., Sirithiranont P., **Parker D.M.**, von Seidlein L., White N.J., Day N.P.J., Dondorp A.M., Newton P.N., Cheah P.Y., Pell C., Mayxay M. A mixed method study of health seeking behavior for febrile illnesses and its implications for malaria control and elimination in Savannakhet Province, Lao PDR. *American Society of Tropical Medicine and Hygiene, New Orleans, LA*. 400. 2018. [poster]
 28. Leang R., **Parker D.M.**, Kong D., Man S., Sreng S., Lay S., Nang K., Kamhawi S., Fay M., Amaro-Carambot E., Whitehead S., Suon S., Huch C., Huy R., Wellems T.E., Valenzuela J.G., *Manning J.E. Update from PAGODAS: Pediatric Assessment Group Of Dengue and Aedes Saliva to investigate vector-borne determinants of Aedes-transmitted arboviral infections in Cambodia. *American Society of Tropical Medicine and Hygiene, National Harbor, MD*. 9. 2019. [talk]
 29. *Li X, Arya GA, Reyes A, Thu AM, Delmas G, **Parker DM**, Lwin KM, Sriprawat K, Nosten F, Anderson T. Spatial analysis of parasite population genomics during malaria elimination efforts in Eastern Myanmar. *American Society of Tropical Medicine and Hygiene, National Harbor, MD*. 1938. 2019. [talk]
 30. *Roberts T, **Parker DM**, Butlerys P, Phommasone K, Chansamouth V, Vongsouvath M, Rattanavong S, Elliot I, Robinson M, Blacksell S, Mayxay M, Newton PN. Differential spatiotemporal dynamics of scrub typhus and murine typhus in the Lao PDR. *Asia-Pacific Rickettsia Conference, Chiang Rai, Thailand*. 37. 2019. [talk]
 31. *Kong D., Lay S., Man S., **Parker D.M.**, Sreng S. Chea S., Suon S., Huch C., Huy R., Oliveira F., Leang R., Ayhong V., Tato C., DeRisi J., Bohl J., Manning J.E. Transmission dynamics of 2019 dengue outbreak in Cambodia via next generation sequencing. *U.S.-Japan Cooperative Medical Sciences Program's 22nd International Conference On Emerging Infectious Diseases In The Pacific Rim, Bangkok, Thailand*. 2020. [poster]

INVITED TALKS

1. Scale up and preliminary results from a P. falciparum malaria elimination program in Eastern Kayin State, Myanmar. Invited speaker: Center for Malaria Research at Penn State, Pennsylvania State University, University Park, PA. 2017.
2. The importance of human population movement: Scale and frequency in infectious diseases dynamics. Invited speaker: *Infectious Routes: Epidemics and migration in Asia*. Hong Kong University, Hong Kong. 2017.
3. Who benefits from new technology? Perspectives from the Thai-Myanmar border. Invited speaker: *Phones, drones and diseases*. Hong Kong University, Hong Kong. 2018.
4. Geospatial co-variation in entomological indices in malaria and dengue systems within the Mekong. Invited speaker: *Defining vector research priorities in the Greater Mekong Sub-Region*. Phnom Penh, Cambodia. 2019.

PUBLICATIONS (+ indicates corresponding author; # indicates co-first authorship)
N = 57; Citations = 1,599 (960); H-index = 25 (20); Google Scholar (Web of Science)

Peer reviewed papers:

- 1 Cui L., Yan G., Sattabongkot J., Chen B., Cao Y., Fan Q., **Parker D.M.**, Sirichaisinthop J., Su X.Z., Yang H., et al. (2012). Challenges and prospects for malaria elimination in the Greater Mekong Subregion. Acta Tropica, 121(3): 240–245.
- 2 Cui L., Yan G., Sattabongkot J., Cao Y., Chen B., Chen X., Fan Q., Fang Q., Jongwutiwes S., **Parker D.M.**, others (2012). Malaria in the Greater Mekong Subregion: heterogeneity and complexity. Acta Tropica, 121(3): 227–239.
- 3 Cui L., Wang Z., Jiang H., **Parker D.M.**, Wang H., Su X.Z., Cui L. (2012). Lack of association of the S769N mutation in Plasmodium falciparum SERCA (PfATP6) with resistance to artemisinin. Antimicrobial Agents and Chemotherapy, 56(5): 2546–2552.
- 4 #Wang Z., #**Parker D.M.**, Meng H., Wu L., Li J., Zhao Z., Zhang R., Fan Q., Wang H., Cui L., et al. (2012). In vitro sensitivity of Plasmodium falciparum from China-Myanmar border area to major ACT drugs and polymorphisms in potential target genes. PLOS ONE, 7(5): e30927.
- 5 +**Parker D.M.**, Zavortink T.J., Billo T.J., Valdez U., Edwards J.S. (2012). Mosquitoes and other arthropod macro fauna associated with tank bromeliads in a Peruvian cloud forest. Journal of the American Mosquito Control Association, 28(1): 45–46.
- 6 +**Parker D.M.**, Holman D. (2012). Event history analysis of dengue fever epidemic and inter-epidemic spells in Barbados, Brazil, and Thailand. International Journal of Infectious Diseases, 16(11): e793–e798.

- 7 ***Parker D.M.**, Lerdprom R., Srisatjarak W., Yan G., Sattabongkot J., Wood J., Sirichaisinthop J., Cui L. (2012). Longitudinal in vitro surveillance of *Plasmodium falciparum* sensitivity to common anti-malarials in Thailand between 1994 and 2010. *Malaria Journal*, 11(1): 290.
- 8 Weiss K.M., **Parker D.M.** (2013). Will you stop bugging me? Malaria and the evolutionary challenge that won't go away. *Evolutionary Anthropology*, 22(2): 46–51.
- 9 Matthews S.A., **Parker D.M.** (2013). Progress in Spatial Demography. *Demographic Research*, 28: 271–312.
- 10 Yuan L., Zhao H., Wu L., Li X., **Parker D.M.**, Xu S., Zhao Y., Feng G., Wang Y., Yan G., et al. (2013). *Plasmodium falciparum* populations from northeastern Myanmar display high levels of genetic diversity at multiple antigenic loci. *Acta Tropica*, 125(1): 53–59.
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