

CURRICULUM VITAE

Daniel M. Parker, Ph.D.

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EDUCATION

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

ACADEMIC APPOINTMENTS

March 2014 – June 2017

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

July 2017 – present

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

April 2019 – present

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

November 2020 - present

Visiting Professor in Epidemiology; Faculty of Tropical Medicine, Mahidol University; Bangkok, Thailand

GRANTS, CONTRACTS, AND RESEARCH AWARDS

External Funding

Completed

- 2014 Community Partners International Myanmar. Consultant. Mapping and GIS for malaria elimination.
- 2015 Save the Children Nepal (for the Global Fund to fight AIDS, Tuberculosis and Malaria). Consultant. Mapping and GIS for malaria health services and elimination
- 2014 - 2017 Bill and Melinda Gates Foundation. Co-Investigator. "Targeted malaria elimination in Karen State, Myanmar." Award: OPP1117507. PI: François Nosten. (\$6,326,573)
- 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)
- 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.
- 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)
- 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)
- 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; contract: MA-042-20011978. PI: Tim Bruckner (mPI Bernadette Boden-Albala). (\$1,700,000)
- 2020 – 2021 Federal Emergency Management Agency. Co-Investigator. "Seroprevalence Surveillance and Predictive Modeling for COVID-19 in Santa Ana, California." contract: A-2020-158-36. PI: Bernadette Boden-Albala). (\$2,960,145)
- 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)

Active

- 2020 – 2024 National Institutes of Health/Fogarty International Center. U.S. Mentor. Project title: “Population Biology of African Malaria Vectors.” D43 Training Grant; FAIN: TW001505; PI: Guiyun Yan (\$270,000 annual direct costs)
- 2021 - 2024 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: 6123-1247-12-D; Part of the Southeast Asian Center for Excellence in Malaria Research (\$294,324)

Internal Funding

- 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)
- 2009 IGERT Program in Evolutionary Modeling (IPEM) Fellowship, University of Washington, (declined)
- 2010 RGSO travel grant, Penn State University (\$400)
- 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)
- 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)
- 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)
- 2014 Shultz Family Graduate Fellowship, College of Liberal Arts, Pennsylvania State University (declined) (\$4,000)
- 2018 Faculty Research Grant, Council on Research, Computing, and Libraries (CORCL), University of California, Irvine (\$1,500)
- 2019 Faculty Seed Grant; Center for Population, Inequality, and Policy (CPIP); University of California, Irvine (\$4,442)
- 2019 Faculty Research Grant, Council on Research, Computing, and Libraries (CORCL), University of California, Irvine (\$1,500)
- 2020 Faculty Research Grant, Council on Research, Computing, and Libraries (CORCL), University of California, Irvine (\$2,000)
- 2021 Faculty Research Grant, Council on Research, Computing, and Libraries (CORCL), University of California, Irvine (\$2,000)

HONORS & AWARDS

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

PROFESSIONAL SERVICE

Service to the University

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

October 2018 – June 2019
Designed and established an undergraduate minor in Global Health

April 2019 - present
GHREAT-DITA Endowed Graduate Fellowship Committee

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

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

December 2019 – present
PhD admissions committee member (Department of Population Health and Disease Prevention)

December 2019 – present
Faculty affairs committee member (Department of Population Health and Disease Prevention)

April 2020 – present
Faculty workload committee member (Department of Population Health and Disease Prevention)

August 2020 – June 2021
Associate Dean of Research Search Committee (Program in Public Health)

May 2021 – present
School Wide Curriculum Committee (Program in Public Health)

Service to the field

May 2018 – present
Global Assessor (reviewer for small grants); Royal Society of Tropical Medicine and Hygiene

August 2018 – present
Editorial board: Spatial Demography

2019
Invited expert reviewer for: MRC UKRI Future Leaders Fellowships

2019
Invited expert reviewer for: European Research Council Consolidator Grants
Academy of Medical Sciences, United Kingdom, Springboard scheme

November 2020 – present:
Associated Editor of PLOS Neglected Tropical Diseases

July 2020

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

August 2020

Invited ad hoc peer reviewer for: National Institutes of Health/National Institute of Allergy and Infectious Disease

June 2021 – present:

Associate Editor of Discover Social Science and Health

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

University of California, Irvine (UGs = undergraduate students; Gs = graduate students)

2018 (Spring)	PH101: Introduction to Epidemiology (100%)	246 UGs
2018 (Fall)	PH213: International Epidemiology (100%)	13 Gs
2019 (Spring)	PH101: Introduction to Epidemiology (100%)	242 UGs
2019 (Fall)	PH213: International Epidemiology (100%)	8 Gs
2020 (Spring)	PH101: Introduction to Epidemiology (100%)	250 UGs
2020 (Spring)	PH289: Climate Change and Global Health (100%)	14 Gs
2020 (Fall)	PH213: Epidemiology in Global Health (100%)	25 Gs
2021 (Spring)	PH101: Introduction to Epidemiology (100%)	247 UGs

Mahidol University, Bangkok, Thailand

2021 (Fall) TMHG548: Research Methods in Health Informatics (20%)

Graduate Student Committee Member

Current PhD

12/2017 – 06/2018	Tamara Jimah, Member of committee for advancement to Doctoral Candidacy
08/2018 – 10/2020	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
09/2020 – present	Natasha Glendening, Pre-candidacy Doctoral Advisor

Completed PhD

- 05/2019 – 06/2021 Kasama Pooseesod, Doctoral Committee External Chair, Mahidol University, Thailand
- 08/2017 – 06/2019 Sayambhu Saita, Doctoral Committee External Chair; Mahidol University, Thailand

Completed MPH (Masters in Public Health)

- 09/2019 – 06/2021 Alexanhdter Luu Vo, MPH Faculty Mentor
- 09/2019 – 06/2021 Sasha Jahan Belaluddin, MPH Faculty Mentor

Undergraduate Research Advising

- 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)
- 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)
- 2020/2021 Chas P. Hurst: Examining Potential Associations between Landscape Attributes, Environmental Factors, Aedes Mosquito Abundance, and Human Exposure to Aedes Mosquitoes in Cambodia (awarded \$600)
- 2020/2021 Catthi Ly, Aisha Raheem, Nydia Gomez, Jasmine Quan, Thang Nguyen, Jihwan T. Kim, Govena Garewal, Chas P. Hurst, Katy X. Dang, Sarah Wang, Nayeli Inzunza, Manuel Sardaryan, Jayden Ware, Samuel D. Tincher, Ashley Park, Chisomam J. Agaranna: Community Based Participatory Research Project for Orange County amid the COVID-19 Pandemic (awarded \$2,500)

Workshops

- 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.

- 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.
- 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.
- 2017 Introduction to Quantum GIS (QGIS). Shoklo Malaria Research Unit, Mahidol Oxford Tropical Medicine Research Unit, Mae Sot, Thailand; June 17 – 18.
- 2020 Health Equity Contact Tracing. University of California, Irvine; July 20 – September 18.

PROFESSIONAL MEMBERSHIPS (*active)

American Association of Physical Anthropologists
 American Society for Rickettsiology*
 American Society of Tropical Medicine and Hygiene*
 International Society for Infectious Diseases*
 John Snow Society*
 Population Association of America
 Royal Society of Tropical Medicine and Hygiene

MEDIA & OTHER INTERVIEWS

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>

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>

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 2, 2020: Interviewed by Alicia Lee from CNN:

<https://www.cnn.com/2020/03/03/health/coronavirus-diy-hand-sanitizer-trnd/index.html>

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 20, 2020: Interviewed by Liz Scherer:

<https://www.everydayhealth.com/coronavirus/should-you-diy-hand-sanitizer-health-experts-weigh-in/>

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>

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 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 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>

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/>

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

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

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-campuses-this-fall/>

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 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>

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>

November 6, 2020: Interviewed by Spencer Custodio for an article about COVID-19, risk behaviors, and a potential second peak in the Voice of OC: <https://voiceofoc.org/2020/11/is-a-second-coronavirus-wave-hitting-orange-county/> and: <https://voiceofoc.org/2020/11/second-coronavirus-wave-hits-orange-county/>

December 9, 2020: Interviewed by Vera Castaneda for the LA Times Daily Pilot about our seroprevalence survey in Santa Ana, California: https://www.latimes.com/socal/daily-pilot/entertainment/story/2020-12-10/drive-through-and-walk-in-coronavirus-antibody-testing-launches-in-santa-ana?_amp=true

January 26, 2021: Quoted in USA Today about naming conventions for different variants of SARS-CoV-2: <https://www.usatoday.com/story/news/health/2021/01/26/new-covid-variants-brazil-uk-south-africa-explained/4257748001/>

March 18 and 19, 2021: Quoted in the Voice of OC with regard to community efforts to reduce COVID-19 transmission and to focus vaccinations on places with the heaviest COVID-19 burden: <https://voiceofoc.org/2021/03/community-efforts-to-bring-covid-vaccines-to-ocs-hardest-hit-neighborhoods-are-paying-off/> and <https://voiceofoc.org/2021/03/covid-19-year-one-ocs-doctors-nurses-community-organizations-stepped-up-to-curb-the-virus/>

May 19, 2021: Quoted in the Voice of OC with regard to the CDC's changing recommendations for masking after vaccination: <https://voiceofoc.org/2021/05/fully-vaccinated-orange-county-residents-still-required-to-wear-masks-indoors-for-another-month/>

June 7, 2021: Interviewed by Marilyn Larkin for Reuters with regard to co-infection by SARS-CoV-2 and Helminths: <https://dailydivafinds.com/covid-19-helminth-syndemic-may-curb-vaccine-efficacy-in-tropical-areas/>

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., Kiattitubtr 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 Anophelese 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]
32. ***Swe M.M.M., Win M.M., Cohen J., Phyo A.P., Parker D., Dance D., Ashley E., Smithuis F.** Mapping and geographic distribution of Burkholderia pseudomallei in Myanmar. *American Society of Tropical Medicine and Hygiene.* 946. 2020. [poster]
33. ***Oliveira F.L., Oristian J., Kong D., Parker D.M., Leon P.V., Jeang B., Man S., Sreng S., Suon S., Huy R., Leang R., Bohl J.A., Calvo E., Valenzuela J.G., Manning J.E.** Leveraging biomarkers of exposure identified in PAGODAS (Pediatric Assessment Group Of Dengue and Aedes Saliva) in Cambodia. *American Society of Tropical Medicine and Hygiene.* 496. 2020. [talk]
34. Yongchaitrakul S., ***Parker D.M.**, Singhasivanon P., Cui L., Sattabongkot J., Phuanukoonnon S. Understanding malaria preventive behaviors among the cross border population along the Thai-Myanmar border in Tak province, Thailand. *American Society of Tropical Medicine and Hygiene.* 757. 2020. [poster]

35. ***Parker D.M.**, Jeang B., Kong D., Man S., Sreng S., Huy R., Leang R., Bohl J.A., Valenzuela J.G., Oliveira F., Manning J.E. Individual, household, and environmental predictors of symptomatic dengue infection in a peri-urban area of Cambodia: a geostatistical analysis. *American Society of Tropical Medicine and Hygiene*. 609. 2020. [poster]

INVITED TALKS

1. 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.
2. 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.
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.
5. Multilevel effects of targeted mass drug administration for elimination of P. falciparum malaria on the Thailand-Myanmar border. Invited speaker for a session on: "Malaria parasite epidemiology and population dynamics during elimination" at the *Joint International Tropical Medicine Meeting*. Bangkok, Thailand (S3, virtual). 2020.
6. Reported acceptability and feasibility of mass administration of primaquine in field sites in Thailand and Myanmar. Invited speaker for a session on "Community and health system research for malaria elimination" at the *Joint International Tropical Medicine Meeting*. Bangkok, Thailand (S11, virtual). 2020.
7. Updates on a P. falciparum elimination campaign in Kayin State, Myanmar; a TB program on the Thai-Myanmar border; and spatial epidemiology of COVID-19 in Orange County, California (USA). Invited speaker: *Texas Biomedical Research Institute (virtual)*. 2021.

PUBLICATIONS (* indicates corresponding author; # indicates co-first authorship)

N = 67; Citations = 1,972 (1,216); H-index = 27 (21); 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 artemisinins. *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.
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- 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.
- 11 Miao M., Wang Z., Yang Z., Yuan L., **Parker D.M.**, Putaporntip C., Jongwutiwes S., Xangsayarath P., Pongvongsa T., Moji H., et al (2013). Genetic diversity and lack of artemisinin selection signature on the *Plasmodium falciparum* ATP6 in the Greater Mekong Subregion. *PLOS ONE*, 8(3): e59192.
- 12 Miao J., Fan Q., **Parker D.M.**, Li X., Li J., Cui L. (2013). Puf mediates translation repression of transmission-blocking vaccine candidates in malaria parasites. *PLOS Pathogens*, 9(4): e1003268.
- 13 Miao J., Lawrence M., Jeffers V., Zhao F., **Parker D.M.**, Ge Y., Sullivan W. J., Cui L. (2013). Extensive lysine acetylation occurs in evolutionarily conserved metabolic pathways and parasite-specific functions during *Plasmodium falciparum* intraerythrocytic development. *Molecular Microbiology*, 89(4): 660–675.

- 14 Miao J., Wang Z., Liu M., **Parker D.M.**, Li X., Chen X., Cui L. (2013). *Plasmodium falciparum*: Generation of pure gametocyte culture by heparin treatment. *Experimental Parasitology*, 135(3): 541–545.
- 15 Li N., **Parker D.M.**, Yang Z., Fan Q., Zhou G., Ai G., Duan J., Lee M.C., Yan G., Matthews S.A., et al. (2013). Risk factors associated with slide positivity among febrile patients in a conflict zone of north-eastern Myanmar along the China-Myanmar border. *Malaria Journal*, 12(1): 361.
- 16 ***Parker D.M.**, Wood J.W., Tomita S., DeWitte S., Jennings J., Cui L. (2014). Household ecology and out-migration among ethnic Karen along the Thai-Myanmar border. *Demographic Research*, 30(39): 1129–1156.
- 17 Wang Z., Liu M., Liang X., Siriwat S., Li X., Chen X., **Parker D.M.**, Miao J., Cui L. (2014). A flow cytometry-based quantitative drug sensitivity assay for all *Plasmodium falciparum* gametocyte stages. *PLOS ONE*, 9(4): e93825.
- 18 Li P., Zhao Z., Wang Y., Xing H., **Parker D.M.**, Yang Z., Baum E., Li W., Sattabongkot J., Sirichaisinthop J., et al. (2014). Nested PCR detection of malaria directly using blood filter paper samples from epidemiological surveys. *Malaria Journal*, 13(1): 175.
- 19 He X., Yan J., Zhu X., Wang Q., Pang W., Qi Z., Wang M., Luo E., **Parker D.M.**, Cantorna M.T., et al. (2014). Vitamin D inhibits the occurrence of experimental cerebral malaria in mice by suppressing the host inflammatory response. *The Journal of Immunology*, 193(3): 1314–1323.
- 20 Bancone G., Chu C.S., Somsakchaicharoen R., Chowwiwat N., **Parker D.M.**, Charunwatthana P., White N.J., Nosten F.H. (2014). Characterization of G6PD genotypes and phenotypes on the Northwestern Thailand-Myanmar border. *PLOS ONE*, 9(12): e116063.
- 21 Yuan L., Wang Y., **Parker D.M.**, Gupta B., Yang Z., Liu H., Fan Q., Cao Y., Xiao Y., Lee M.C., et al (2015). Therapeutic responses of *Plasmodium vivax* malaria to chloroquine and primaquine treatment in northeastern Myanmar. *Antimicrobial Agents and Chemotherapy*, 59(2): 1230–1235.
- 22 Tomita S., **Parker D.M.**, Jennings J., Wood J. (2014). Household demography and early childhood mortality in a rice-farming village in Northern Laos. *PLOS ONE*, 10(3): e0119191.
- 23 ***Parker D.M.**, Matthews S.A., Yan G., Zhou G., Lee M.C., Sirichaisinthop J., Kiattibutr K., Fan Q., Li P., Sattabongkot J., et al. (2015). Microgeography and molecular epidemiology of malaria at the Thailand-Myanmar border in the malaria pre-elimination phase. *Malaria Journal*, 14: 198.
- 24 Moss W.J., Dorsey G., Mueller I., Laufer M.K., Krogstad D.J., Vinetz J.M., Guzman M., Rosas-Aguirre A.M., Herrera S., Arevalo-Herrera M., Chery L., Kumar A., Mohapatra P., Ramanathapuram L., Srivastava H., Cui L., Zhou G., **Parker D.M.**, Nankabirwa J., Kazura J. (2015). Malaria epidemiology and control within the international centers of excellence for malaria research. *The American Journal of Tropical Medicine and Hygiene*, 93(3 Suppl): 5–15.

- 25 Wang Y., Yang Z., Yuan L., Zhou G., **Parker D.M.**, Lee M.C., Yan G., Fan Q., Xiao Y., Cao Y., et al. (2015). Clinical Efficacy of Dihydroartemisinin–Piperaquine for the Treatment of Uncomplicated *Plasmodium falciparum* Malaria at the China–Myanmar Border. *The American Journal of Tropical Medicine and Hygiene*, 93(3): 577–583.
- 26 ***Parker D.M.**, Carrara V.I., Pukrittayakamee S., McGready R., Nosten F.H. (2015). Malaria ecology along the Thailand–Myanmar border. *Malaria Journal*, 14: 388.
- 27 Kaji A., **Parker D.M.**, Chu C.S., Thayatkawin W., Suelaor J., Charatrueangrongkun R., Salathibuppha K., Nosten F.H., McGready R. (2016). Immunization Coverage in Migrant School Children Along the Thailand-Myanmar Border. *Journal of Immigrant and Minority Health*, 18(5): 1038–1045.
- 28 Landier J., **Parker D.M.**, Thu A.M., Carrara V.I., Lwin K.M., Bonnington C.A., Pukrittayakamee S., Delmas G., Nosten F.H. (2016). The role of early detection and treatment in malaria elimination. *Malaria Journal*, 15: 363.
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- 30 ***Parker D.M.**, Landier J., Seidlein L., Dondorp A., White L.J., Hanboonkunupakarn B., Maude R.J., Nosten F.H. (2016). Limitations of malaria reactive case detection in an area of low and unstable transmission on the Myanmar–Thailand border. *Malaria Journal*, 15: 571.
- 31 Ya-umphan P., Cerqueira D., **Parker D.M.**, Cottrell G., Poinsignon A., Remoue F., Brengues C., Chareonviriyaphap T., Nosten F., Corbel V. (2017). Use of an Anopheles salivary biomarker to assess malaria transmission risk along the Thailand-Myanmar border. *The Journal of Infectious Diseases*, 215(3): 396–404.
- 32 #Srikanok S., ***Parker D.M.**, Parker A.L., Lee T., Min A.M., Ontuwong P., Tan S.O., Sirinonthachai S., McGready R. (2017). Empirical lessons regarding contraception in a protracted refugee setting: A descriptive study from Maela camp on the Thai-Myanmar border 1996–2015. *PLOS ONE*, 12(2): e0172007.
- 33 #Thi S., ***Parker D.M.**, Swe L., Pukrittayakamee S., Ling C., Amornpaisarnloet K., Vincenti-Delmas M., Nosten F. (2017). Migration histories of multidrug-resistant tuberculosis patients from the Thailand-Myanmar border, 2012–2014. *The International Journal of Tuberculosis and Lung Disease*, 21(7): 753–758.
- 34 Thu A., Phyo A., Landier J., **Parker D.M.**, Nosten F. (2017). Combating multi-drug resistant *Plasmodium falciparum* malaria. *The FEBS Journal*, 284(16): 2569 – 2578.
- 35 Beckerman S., Lizarralde M., Peluso D., Yvinec C., Harris N., **Parker D.M.**, Walker R., Hill K. (2017). Partible paternity, the secondary sex ratio, and a possible Trivers-Willard effect. *Current Anthropology*, 58(4): 540 – 543.
- 36 Kajechiwa L., Thwin M.M., Nosten S., Tun S.W., **Parker D.M.**, von Seidlein L.,

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- 37 Landier J., Kajeewiwa L., Thwin M.M., **Parker D.M.**, Wiladphaingern J., Imwong M., Miotto O., Patumrat K., Duanguppama J., Cerqueira D., Malleret B., Rénia L., Nosten S., von Seidlein L., Ling C., Proux S., Corbel V., Simpson J.A., Dondorp A.M., White N.J., Nosten F.H. (2017). Safety and effectiveness of mass drug administration to accelerate elimination of artemisinin-resistant falciparum malaria: A pilot trial in four villages of Eastern Myanmar. Wellcome Open Res, 2:81
- 38 ***Parker D.M.**, Tripura R., Peto T.J., Maude R.J., Nguon C., Chalk J., Sirithiranont P., Imwong M., von Seidlein L., White N.J., Dondorp A.M. (2017). A multi-level spatial analysis of clinical malaria and subclinical Plasmodium infections in Pailin Province, Cambodia. Heliyon, 3: e00447.
- 39 Bonnington C.A., Phyo A.P., Ashley E., Imwong M., Sriprawat K., **Parker D.M.**, Proux S., White N.J., Nosten F. (2017). Plasmodium falciparum Kelch 13 mutations and treatment response in patients in Hpa-Pun District, Northern Kayin State, Myanmar. Malaria Journal, 16: 480.
- 40 Tun S.T.T., von Seidlein L., Pongvongsa T., Mayxay M., Saralamba S., Kyaw S., Chanthavilay P., Celhay O., Nguye T. D., Tran T. N., **Parker D.M.**, Boni M.F., Dondorp A.M., White L.J. (2017). Towards malaria elimination in Savannakhet, Lao PDR: mathematical modelling driven strategy design. Malaria Journal, 16: 483.
- 41 ****Parker, D.M.**, #Landier, J., Thu, A. M., Lwin, K. M., Delmas, G., Nosten, F. et al. (2018). Scale up of a Plasmodium falciparum elimination program and surveillance system in Kayin State, Myanmar. Wellcome Open Research, 2(98).
- 42 #Landier J., **#Parker D.M.**, Thu A.M., Lwin K.M., Delmas G., Nosten F. et al. (2018). Effect of generalized access to early diagnosis and treatment and targeted mass drug administration on Plasmodium falciparum malaria in Eastern Myanmar: an observational study of a regional elimination programme. The Lancet, 391: 1916 - 1926.
- 43 Ya-Umphun P., Cerqueria D., Cottrell G., **Parker D.M.**, Fowkes F., Nosten F., Corbel V. (2018). Anopheles salivary biomarker as a proxy for estimating Plasmodium falciparum malaria exposure on the Thailand-Myanmar border. American Journal of Tropical Medicine and Hygiene, 99(2): 350 – 356.
- 44 Parker A.L., ***Parker D.M.**, Zan B.N., Min A.M., Gilder M.E., Ringringulu M., Win E., Wiladphaingern J., Charunwatthana P., Nosten F., Lee S.J., McGready R. (2018). Trends and birth outcomes in adolescent refugees and migrants from the Thailand-Myanmar border, 1986 – 2016: an observational study. Wellcome Open Research, 3:62.
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- 47 Saita S., Pan-ngum W., Phuanukoonnon S., Sriwichai P., Silawan T., White L.J., ***Parker D.M.** (2019). Human population movement and behavioural patterns in malaria hotspots on the Thai-Myanmar border: implications for malaria elimination. Malaria Journal 18: 64.
- 48 ***Parker D.M.**, Tun S.T.T., White L.J., Kajeewiwa L., Thwin M.M., Landier J., Chaumeau V., Corbel V., Dondorp A.M., Seidlein L., White N.J., Maude R.J., Nosten F. (2019). Potential herd protection against *Plasmodium falciparum* infections conferred by mass antimalarial drug administrations. eLife. 8:e41023.
- 49 Adhikari B., Phommasone K., Pongvongsa T., Koummarasy P., Soundala X., Henriques G., Sirithiranont P., **Parker D.M.**, Seidlein L., White N.J., Day N.P.J., Dondorp A.M., Newton P.N., Cheah P.Y., Pell C., Mayxay M. (2019). Treatment-seeking behaviour for febrile illnesses and its implications for malaria control and elimination in Savannakhet Province, Lao PDR (Laos): a mixed method study. BMC Health Services Research 19:252.
- 50 Saita S., Silawan T., **Parker D.M.**, Sriwichai P., Phuanukoonnon S., Sudathip P., Maude R.J., White L.J., Pan-ngum W. (2019). Spatial heterogeneity and temporal trends in malaria on the Thai-Myanmar border (2012-2017): a retrospective observational study. Tropical Medicine and Infectious Disease 4(2): 62.
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- 52 Chu C.S., Carrara V.I., **Parker D.M.**, Proux S., Charunwatthana P., McGready R., Nosten F. (2020). Declining burden of *Plasmodium vivax* in a population in Northwestern Thailand from 1995 to 2016 before comprehensive primaquine prescription for radical cure. American Journal of Tropical Medicine and Hygiene. 102(1): 147-150.
- 53 Phommasone K., Leth F., Peto T.J., Landier J., Nguyen T.N., Tripura R., Pongvongsa T., Lwin K.M., Kajeewiwa L., Thwin M.M., **Parker D.M.**, et al. (2020). Mass drug administrations with dihydroartemisinin-piperaquine and single low dose primaquine to eliminate *Plasmodium falciparum* have only a transient impact on *Plasmodium vivax*: findings from a randomised controlled trial. PLOS ONE. 15(2):e0228190.
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- 56 Littman R.A., Fiorenza E.A., Wenger A.S., Berry K.L.E., van de Water J.A.J.M., Nguyen L., Aung S.T., **Parker D.M.**, Rader D.N., Harvell C.D., Lamb J.B. (2020) Coastal urbanization influences human pathogens and microdebris contamination in seafood. Science of the total environment. 736(2020): 139081.
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- 59 Bruckner T.A., **Parker D.M.**, Bartell S.M., Khan S., Noymer A., Drum E., Albala B., Zahn M., Boden-Albala B. (2021) Estimated seroprevalence of SARS-CoV-2 antibodies among adults in Orange County, California. Scientific Reports. 11(3081): 2021.
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Chapters

- 2016 ***Parker D.M.** Human migration and spatial synchrony: spatial patterns in temporal trends. Pp. 325-351, Chapter 16 in Recapturing space: new middle-range theory in spatial demography, edited by Frank M. Howell, Jeremy R. Porter, and Stephen A. Matthews. Springer, New York, NY.