

2025

1. **Understanding *Plasmodium vivax* recurrent infections using an amplicon deep sequencing assay, PvAmpSeq, identity-by-descent and model-based classification**
Rosado J, Han J, Obadia T, Munro J, Traore Z, Schoffer K, Brewster J, Bourke C, Vinetz JM, White M, Bahlo M, **Gamboa D**, Mueller I, Ruybal-Pesántez S.
Citation: medRxiv [Preprint]. 2025 Jun 13:2025.05.26.25327775. doi: 10.1101/2025.05.26.25327775.
2. **Population genomics of *Anopheles darlingi*, the principal South American malaria vector mosquito**
Tenessen JA, Brosula R, Chabanol E, Bickersmith S, Early AM, Laws M, Kelley KA, Grillet ME, **Gamboa D**, Lucas ER, Duchemin JB, Quiñones ML, Sallum MAM, Bergo ES, Moreno JE, Nagi S, Arisco NJ, Sooklall M, Niles-Robin R, Castro MC, Cox H, Gendrin M, Conn JE, Neafsey DE.
Citation: bioRxiv [Preprint]. 2025 Mar 15:2025.03.13.643102. doi: 10.1101/2025.03.13.643102.
3. **Detecting imported malaria infections in endemic settings using molecular surveillance: current state and challenges**
Safarpour M, Cabrera-Sosa L, **Gamboa D**, Van Geertruyden JP, Delgado-Ratto C.
Citation: Front Epidemiol. 2025 Feb 26;5:1490141. doi: 10.3389/fepid.2025.1490141. eCollection 2025.
4. **Human mobility and malaria risk in peri-urban and rural communities in the Peruvian Amazon**
Gomez J, Grosso A, Guzman-Guzman M, Garcia Castillo S, Castro MC, Torres K, Vinetz JM, **Gamboa D**.
Citation: PLoS Negl Trop Dis. 2025 Jan 6;19(1):e0012058. doi: 10.1371/journal.pntd.0012058. eCollection 2025 Jan.

2024

5. **Comparing newly developed SNP barcode panels with microsatellites to explore population genetics of malaria parasites in the Peruvian Amazon**
Cabrera-Sosa L, Safarpour M, Kattenberg JH, Ramirez R, Vinetz JM, Rosanas-Urgell A, **Gamboa D**, Delgado-Ratto C.
Citation: Front Genet. 2024 Dec 19;15:1488109. doi: 10.3389/fgene.2024.1488109. eCollection 2024.
6. **Spatiotemporal dynamics of malaria and climate influence on its incidence in Condorcanqui Province, 2005-2022**
Saavedra-Samillán M, Burgos F, García Huamán F, Valdivia HO, **Gamboa D**, Chenet SM.
Citation: Malar J. 2024 Dec 18;23(1):380. doi: 10.1186/s12936-024-05193-6.

- 7. Recurrence patterns and evolution of submicroscopic and asymptomatic *Plasmodium vivax* infections in malaria-endemic areas of the Peruvian Amazon**
Garcia Castillo SS, Abanto Alvarez C, Rosas-Aguirre Á, Acosta C, Corder RM, Gómez J, Guzmán M, Speybroeck N, Llanos-Cuentas A, Castro MC, Rosanas-Urgell A, Ferreira MU, Vinetz JM, **Gamboa D**, Torres K.
Citation: PLoS Negl Trop Dis. 2024 Oct 31;18(10):e0012566. doi: 10.1371/journal.pntd.0012566. eCollection 2024 Oct.
- 8. Analytical Sensitivity Analysis and Clinical Impact Modeling of Rapigen Rapid Diagnostic Tests for Malaria**
Golden A, Slater HC, Jang IK, Walke S, Phan TT, Bizilj GT, Rashid A, Barney R, Das S, Rist MJ, McCarthy JS, Nosten F, Landier J, Imwong M, Hume JCC, Sagara I, Healy SA, Duffy PE, Ntuku H, Mumbengegwi D, Hsiang MS, Murphy SC, Rek J, Torres K, **Gamboa D**, Domingo GJ.
Citation: Am J Trop Med Hyg. 2024 Sep 3;111(5):956-966. doi: 10.4269/ajtmh.24-0003. Print 2024 Nov 6.
- 9. Genomic surveillance of malaria parasites in an indigenous community in the Peruvian Amazon**
Cabrera-Sosa L, Nolasco O, Kattenberg JH, Fernandez-Miño C, Valdivia HO, Barazorda K, Arévalo de Los Rios S, Rodriguez-Ferrucci H, Vinetz JM, Rosanas-Urgell A, Van Geertruyden JP, **Gamboa D**, Delgado-Ratto C.
Citation: Sci Rep. 2024 Jul 15;14(1):16291. doi: 10.1038/s41598-024-66925-x.
- 10. *Plasmodium vivax* genomic surveillance in the Peruvian Amazon with Pv AmpliSeq assay**
Kattenberg JH, Cabrera-Sosa L, Figueroa-Ildelfonso E, Mutsaers M, Monsieurs P, Guetens P, Infante B, Delgado-Ratto C, **Gamboa D**, Rosanas-Urgell A.
Citation: PLoS Negl Trop Dis. 2024 Jul 11;18(7):e0011879. doi: 10.1371/journal.pntd.0011879. eCollection 2024 Jul.
- 11. Effect of spatiotemporal variables on abundance, biting activity and parity of *Nyssorhynchus darlingi* (Diptera: Culicidae) in peri-Iquitos, Peru**
Bickersmith SA, Saavedra MP, Prussing C, Lange RE, Morales JA, Alava F, Vinetz JM, **Gamboa D**, Moreno M, Conn JE.
Citation: Malar J. 2024 Apr 19;23(1):112. doi: 10.1186/s12936-024-04940-z.
- 12. Population genomic evidence of structured and connected *Plasmodium vivax* populations under host selection in Latin America**
Kattenberg JH, Monsieurs P, De Meyer J, De Meulenaere K, Sauve E, de Oliveira TC, Ferreira MU, **Gamboa D**, Rosanas-Urgell A.
Citation: Ecol Evol. 2024 Mar 24;14(3):e11103. doi: 10.1002/ece3.11103. eCollection 2024 Mar.

2023

13. Development of WHO Recommendations for the Final Phase of Elimination and Prevention of Re-Establishment of Malaria

Marsh K, Akl E, Achan J, Alzahrani M, Baird JK, Bousema T, **Gamboa D**, Lacerda M, Mendis K, Penny M, Schapira A, Sovannaroeth S, Wongsrichanalai C, Tiffany A, Li X, Shutes E, Schellenberg D, Alonso P; WHO Malaria Elimination Steering Group; Lindblade KA.

Citation: Am J Trop Med Hyg. 2023 Dec 20;110(4_Suppl):3-10. doi: 10.4269/ajtmh.22-0768. Print 2024 Apr 2.

14. Mutations Linked to Insecticide Resistance Not Detected in the Ace-1 or VGSC Genes in *Nyssorhynchus darlingi* from Multiple Localities in Amazonian Brazil and Peru

Bickersmith SA, Jurczynski JD, Sallum MAM, Chaves LSM, Bergo ES, Rodriguez GAD, Morante CA, Rios CT, Saavedra MP, Alava F, **Gamboa D**, Vinetz JM, Conn JE.

Citation: Genes (Basel). 2023 Sep 29;14(10):1892. doi: 10.3390/genes14101892.

15. A new *Plasmodium vivax* reference genome for South American isolates

De Meulenaere K, Cuypers B, **Gamboa D**, Laukens K, Rosanas-Urgell A.

Citation: BMC Genomics. 2023 Oct 11;24(1):606. doi: 10.1186/s12864-023-09707-5.

16. Natural Infection of *Nyssorhynchus darlingi* and *Nyssorhynchus benarrochi* B with *Plasmodium* during the Dry Season in the Understudied Low-Transmission Setting of Datem del Marañon Province, Amazonian Peru

Conn JE, Bickersmith SA, Saavedra MP, Morales JA, Alava F, Diaz Rodriguez GA, Del Aguila Morante CR, Tong CG, Alvarez-Antonio C, Daza Huanahui JM, Vinetz JM, **Gamboa D**.

Citation: Am J Trop Med Hyg. 2023 Jun 26;109(2):288-295. doi: 10.4269/ajtmh.23-0058. Print 2023 Aug 2.

17. Molecular Surveillance of Malaria Using the PF AmpliSeq Custom Assay for *Plasmodium falciparum* Parasites from Dried Blood Spot DNA Isolates from Peru

Kattenberg JH, Van Dijk NJ, Fernández-Miñope CA, Guetens P, Mutsaers M, **Gamboa D**, Rosanas-Urgell A.

Citation: Bio Protoc. 2023 Mar 5;13(5):e4621. doi: 10.21769/BioProtoc.4621. eCollection 2023 Mar 5.

18. Pf7: an open dataset of *Plasmodium falciparum* genome variation in 20,000 worldwide samples

MalariaGEN; Abdel Hamid MM, Abdelraheem MH, Acheampong DO, Ahouidi A, Ali M, Almagro-Garcia J, Amambua-Ngwa A, Amaratunga C, Amenga-Etego L, Andagalu B, Anderson T, Andrianaranjaka V, Aniebo I, Aninagyei E, Ansah F, Ansah PO, Apinjoh T, Arnaldo P, Ashley E, Auburn S, Awandare GA, Ba H, Baraka V, Barry A, Bejon P, Bertin GI, Boni MF, Borrmann S, Bousema T, Bouyou-Akotet M, Branch O, Bull PC, Cheah H,

Chindavongsa K, Chookajorn T, Chotivanich K, Claessens A, Conway DJ, Corredor V, Courtier E, Craig A, D'Alessandro U, Dama S, Day N, Denis B, Dhorda M, Diakite M, Djimde A, Dolecek C, Dondorp A, Doumbia S, Drakeley C, Drury E, Duffy P, Echeverry DF, Egwang TG, Enosse SMM, Erko B, Fairhurst RM, Faiz A, Fanello CA, Fleharty M, Forbes M, Fukuda M, **Gamboa D**, Ghansah A, Golassa L, Goncalves S, Harrison GLA, Healy SA, Hendry JA, Hernandez-Koutoucheva A, Hien TT, Hill CA, Hombhanje F, Hott A, Htut Y, Hussein M, Imwong M, Ishengoma D, Jackson SA, Jacob CG, Jeans J, Johnson KJ, Kamaliddin C, Kamau E, Keatley J, Kochakarn T, Konate DS, Konaté A, Kone A, Kwiatkowski DP, Kyaw MP, Kyle D, Lawniczak M, Lee SK, Lemnge M, Lim P, Lon C, et al.

Citation: Wellcome Open Res. 2023 Jan 16;8:22. doi: 10.12688/wellcomeopenres.18681.1. eCollection 2023.

19. Malaria Molecular Surveillance in the Peruvian Amazon with a Novel Highly Multiplexed *Plasmodium falciparum* AmpliSeq Assay

Kattenberg JH, Fernandez-Miñope C, van Dijk NJ, Llacsahuanga Allcca L, Guetens P, Valdivia HO, Van Geertruyden JP, Rovira-Vallbona E, Monsieurs P, Delgado-Ratto C, **Gamboa D**, Rosanas-Urgell A.

Citation: Microbiol Spectr. 2023 Feb 22;11(2):e0096022. doi: 10.1128/spectrum.00960-22. Online ahead of print.

2022

20. Geographical distribution and genetic characterization of *pfhrp2* negative *Plasmodium falciparum* parasites in the Peruvian Amazon

Bendezu J, Torres K, Villasis E, Incardona S, Bell D, Vinetz J, **Gamboa D**.

Citation: PLoS One. 2022 Nov 22;17(11):e0273872. doi: 10.1371/journal.pone.0273872. eCollection 2022.

21. Effect of out-of-village working activities on recent malaria exposure in the Peruvian Amazon using parametric g-formula

Carrasco-Escobar G, Rosado J, Nolasco O, White MT, Mueller I, Castro MC, Rodriguez-Ferruci H, **Gamboa D**, Llanos-Cuentas A, Vinetz JM, Benmarhnia T.

Citation: Sci Rep. 2022 Nov 9;12(1):19144. doi: 10.1038/s41598-022-23528-8.

22. Band 3-mediated *Plasmodium vivax* invasion is associated with transcriptional variation in PvTRAg genes

De Meulenaere K, Prajapati SK, Villasis E, Cuypers B, Kattenberg JH, Kasian B, Laman M, Robinson LJ, **Gamboa D**, Laukens K, Rosanas-Urgell A.

Citation: Front Cell Infect Microbiol. 2022 Sep 30;12:1011692. doi: 10.3389/fcimb.2022.1011692. eCollection 2022.

23. Evidence-Based Malaria Control and Elimination in the Amazon: Input from the International Center of Excellence in Malaria Research Network in Peru and Brazil

Ferreira MU, **Gamboa D**, Torres K, Rodriguez-Ferrucci H, Soto-Calle VE, Pardo K, Fontoura PS, Tomko SS, Gazzinelli RT, Conn JE, Castro MC, Llanos-Cuentas A, Vinetz JM.

Citation: Am J Trop Med Hyg. 2022 Oct 11;107(4_Suppl):160-167. doi: 10.4269/ajtmh.21-1272. Print 2022 Oct 11.

24. Malaria Resilience in South America: Epidemiology, Vector Biology, and Immunology Insights from the Amazonian International Center of Excellence in Malaria Research Network in Peru and Brazil

Torres K, Ferreira MU, Castro MC, Escalante AA, Conn JE, Villasis E, da Silva Araujo M, Almeida G, Rodrigues PT, Corder RM, Fernandes ARJ, Calil PR, Ladeia WA, Garcia-Castillo SS, Gomez J, do Valle Antonelli LR, Gazzinelli RT, Golenbock DT, Llanos-Cuentas A, **Gamboa D**, Vinetz JM.

Citation: Am J Trop Med Hyg. 2022 Oct 11;107(4_Suppl):168-181. doi: 10.4269/ajtmh.22-0127. Print 2022 Oct 11.

25. Drug resistance and population structure of *Plasmodium falciparum* and *Plasmodium vivax* in the Peruvian Amazon

Villena FE, Sanchez JF, Nolasco O, Braga G, Ricopa L, Barazorda K, Salas CJ, Lucas C, Lizewski SE, Joya CA, **Gamboa D**, Delgado-Ratto C, Valdivia HO.

Citation: Sci Rep. 2022 Oct 1;12(1):16474. doi: 10.1038/s41598-022-21028-3.

26. Epidemiological characteristics of *P. vivax* asymptomatic infections in the Peruvian Amazon

Villasis E, Garcia Castillo SS, Guzman M, Torres J, Gomez J, Garro K, Cordova AM, Reategui C, Abanto C, Vinetz J, **Gamboa D**, Torres K.

Citation: Front Cell Infect Microbiol. 2022 Aug 31;12:901423. doi: 10.3389/fcimb.2022.901423. eCollection 2022.

27. Assessment of IgG3 as a serological exposure marker for *Plasmodium vivax* in areas with moderate-high malaria transmission intensity

Tayipto Y, Rosado J, **Gamboa D**, White MT, Kiniboro B, Healer J, Opi DH, Beeson JG, Takashima E, Tsuboi T, Harbers M, Robinson L, Mueller I, Longley RJ.

Citation: Front Cell Infect Microbiol. 2022 Aug 9;12:950909. doi: 10.3389/fcimb.2022.950909. eCollection 2022.

28. Insights into *Plasmodium vivax* Asymptomatic Malaria Infections and Direct Skin-Feeding Assays to Assess Onward Malaria Transmission in the Amazon

Moreno M, Torres K, Tong C, García Castillo SS, Carrasco-Escobar G, Guedez G, Torres L, Herrera-Varela M, Guerra L, Guzman-Guzman M, Wong D, Ramirez R, Llanos-Cuentas A, Conn JE, **Gamboa D**, Vinetz JM.

Citation: Am J Trop Med Hyg. 2022 Jun 13;107(1):154-161. doi: 10.4269/ajtmh.21-1217. Print 2022 Jul 13.

29. Relative contribution of low-density and asymptomatic infections to *Plasmodium vivax* transmission in the Amazon: pooled analysis of individual participant data from population-based cross-sectional surveys

Ferreira MU, Corder RM, Johansen IC, Kattenberg JH, Moreno M, Rosas-Aguirre A, Ladeia-Andrade S, Conn JE, Llanos-Cuentas A, **Gamboa D**, Rosanas-Urgell A, Vinetz JM.

Citation: Lancet Reg Health Am. 2022 May;9:100169. doi: 10.1016/j.lana.2021.100169. Epub 2022 Jan 5.

30. Malaria transmission structure in the Peruvian Amazon through antibody signatures to *Plasmodium vivax*

Rosado J, Carrasco-Escobar G, Nolasco O, Garro K, Rodriguez-Ferruci H, Guzman-Guzman M, Llanos-Cuentas A, Vinetz JM, Nekkab N, White MT, Mueller I, **Gamboa D**.

Citation: PLoS Negl Trop Dis. 2022 May 9;16(5):e0010415. doi: 10.1371/journal.pntd.0010415. eCollection 2022 May.

31. *Nyssorhynchus darlingi* genome-wide studies related to microgeographic dispersion and blood-seeking behavior

Alvarez MVN, Alonso DP, Kadri SM, Rufalco-Moutinho P, Bernardes IAF, de Mello ACF, Souto AC, Carrasco-Escobar G, Moreno M, **Gamboa D**, Vinetz JM, Conn JE, Ribolla PEM.

Citation: Parasit Vectors. 2022 Mar 28;15(1):106. doi: 10.1186/s13071-022-05219-5.

2021

32. An open dataset of *Plasmodium falciparum* genome variation in 7,000 worldwide samples

MalariaGEN; Ahouidi A, Ali M, Almagro-Garcia J, Amambua-Ngwa A, Amaratunga C, Amato R, Amenga-Etego L, Andagalu B, Anderson TJC, Andrianaranjaka V, Apinjoh T, Ariani C, Ashley EA, Auburn S, Awandare GA, Ba H, Baraka V, Barry AE, Bejon P, Bertin GI, Boni MF, Borrmann S, Bousema T, Branch O, Bull PC, Busby GBJ, Chookajorn T, Chotivanich K, Claessens A, Conway D, Craig A, D'Alessandro U, Dama S, Day NP, Denis B, Diakite M, Djimdé A, Dolecek C, Dondorp AM, Drakeley C, Drury E, Duffy P, Echeverry DF, Egwang TG, Erko B, Fairhurst RM, Faiz A, Fanello CA, Fukuda MM, **Gamboa D**, Ghansah A, Golassa L, Goncalves S, Hamilton WL, Harrison GLA, Hart L, Henrichs C, Hien TT, Hill CA, Hodgson A, Hubbard C, Imwong M, Ishengoma DS, Jackson SA, Jacob CG, Jeffery B, Jeffreys AE, Johnson KJ, Jyothi D, Kamaliddin C, Kamau E, Kekre M, Kluczynski K, Kochakarn T, Konaté A, Kwiatkowski DP, Kyaw MP, Lim P, Lon C, Loua KM, Maïga-Ascofaré O, Malangone C, Manske M, Marfurt J, Marsh K, Mayxay M, Miles A, Miotto O, Mobegi V, Mokuolu OA, Montgomery J, Mueller I, Newton PN, Nguyen T, Nguyen TN, Noedl H, Nosten F, Noviyanti R, Nzila A, et al.

Citation: Wellcome Open Res. 2021 Jul 13;6:42. doi: 10.12688/wellcomeopenres.16168.2. eCollection 2021.

33. Assessment of *Plasmodium* antigens and CRP in dried blood spots with multiplex malaria array

Jang IK, Aranda S, Barney R, Rashid A, Helwany M, Rek JC, Arinaitwe E, Adrama H, Murphy M, Imwong M, Proux S, Haohankhunnatham W, Ding XC, Nosten F, Greenhouse B, **Gamboa D**, Domingo GJ.

Citation: J Parasit Dis. 2021 Jun;45(2):479-489. doi: 10.1007/s12639-020-01325-2. Epub 2021 Jan 3.

34. Multicopy targets for *Plasmodium vivax* and *Plasmodium falciparum* detection by colorimetric LAMP

Nolasco O, Montoya J, Rosales Rosas AL, Barrientos S, Rosanas-Urgell A, **Gamboa D**.

Citation: Malar J. 2021 May 19;20(1):225. doi: 10.1186/s12936-021-03753-8.

35. Integrating Parasitological and Entomological Observations to Understand Malaria Transmission in Riverine Villages in the Peruvian Amazon

Rosas-Aguirre A, Moreno M, Moreno-Gutierrez D, Llanos-Cuentas A, Saavedra M, Contreras-Mancilla J, Barboza J, Alava F, Aguirre K, Carrasco G, Prussing C, Vinetz J, Conn JE, Speybroeck N, **Gamboa D**.

Citation: J Infect Dis. 2021 Apr 27;223(12 Suppl 2):S99-S110. doi: 10.1093/infdis/jiaa496.

36. Ecology and larval population dynamics of the primary malaria vector *Nyssorhynchus darlingi* in a high transmission setting dominated by fish farming in western Amazonian Brazil

Rufalco-Moutinho P, Moura Kadri S, Peres Alonso D, Moreno M, Carrasco-Escobar G, Prussing C, **Gamboa D**, Vinetz JM, Mureb Sallum MA, Conn JE, Martins Ribolla PE.

Citation: PLoS One. 2021 Apr 8;16(4):e0246215. doi: 10.1371/journal.pone.0246215. eCollection 2021.

37. PvMSP8 as a Novel *Plasmodium vivax* Malaria Sero-Marker for the Peruvian Amazon

Villasis E, Garro K, Rosas-Aguirre A, Rodriguez P, Rosado J, Gave A, Guzman-Guzman M, Manrique P, White M, Speybroeck N, Vinetz JM, Torres K, **Gamboa D**.

Citation: Pathogens. 2021 Mar 2;10(3):282. doi: 10.3390/pathogens10030282.

38. Performance of a fully-automated system on a WHO malaria microscopy evaluation slide set

Horning MP, Delahunt CB, Bachman CM, Luchavez J, Luna C, Hu L, Jaiswal MS, Thompson CM, Kulhare S, Janko S, Wilson BK, Ostbye T, Mehanian M, Gebrehiwot R, Yun G, Bell D, Proux S, Carter JY, Oyibo W, **Gamboa D**, Dhorda M, Vongprommek R, Chiodini PL, Ogutu B, Long EG, Tun K, Burkot TR, Lilley K, Mehanian C.

Citation: Malar J. 2021 Feb 25;20(1):110. doi: 10.1186/s12936-021-03631-3.

39. Towards one standard treatment for uncomplicated *Plasmodium falciparum* and *Plasmodium vivax* malaria: Perspectives from and for the Peruvian Amazon

Fernandez-Miño C, Delgado-Ratto C, Contreras-Mancilla J, Ferrucci HR, Llanos-Cuentas A, **Gamboa D**, Van Geertruyden JP.

Citation: Int J Infect Dis. 2021 Apr;105:293-297. doi: 10.1016/j.ijid.2021.02.042. Epub 2021 Feb 15.

40. Heterogeneity in response to serological exposure markers of recent *Plasmodium vivax* infections in contrasting epidemiological contexts

Rosado J, White MT, Longley RJ, Lacerda M, Monteiro W, Brewster J, Sattabongkot J, Guzman-Guzman M, Llanos-Cuentas A, Vinetz JM, **Gamboa D**, Mueller I.

Citation: PLoS Negl Trop Dis. 2021 Feb 16;15(2):e0009165. doi: 10.1371/journal.pntd.0009165. eCollection 2021 Feb.

41. Temporal and Microspatial Heterogeneity in Transmission Dynamics of Coendemic *Plasmodium vivax* and *Plasmodium falciparum* in Two Rural Cohort Populations in the Peruvian Amazon

Rosas-Aguirre A, Guzman-Guzman M, Chuquiyauri R, Moreno M, Manrique P, Ramirez R, Carrasco-Escobar G, Rodriguez H, Speybroeck N, Conn JE, **Gamboa D**, Vinetz JM, Llanos-Cuentas A.

Citation: J Infect Dis. 2021 Apr 23;223(8):1466-1477. doi: 10.1093/infdis/jiaa526.

2020

42. Open-Source 3D Printable GPS Tracker to Characterize the Role of Human Population Movement on Malaria Epidemiology in River Networks: A Proof-of-Concept Study in the Peruvian Amazon

Carrasco-Escobar G, Fornace K, Wong D, Padilla-Huamantínco PG, Saldaña-Lopez JA, Castillo-Meza OE, Caballero-Andrade AE, Manrique E, Ruiz-Cabrejos J, Barboza JL, Rodriguez H, Henostroza G, **Gamboa D**, Castro MC, Vinetz JM, Llanos-Cuentas A.

Citation: Front Public Health. 2020 Sep 24;8:526468. doi: 10.3389/fpubh.2020.526468. eCollection 2020.

43. Malaria Situation in the Peruvian Amazon during the COVID-19 Pandemic

Torres K, Alava F, Soto-Calle V, Llanos-Cuentas A, Rodriguez H, Llacsahuanga L, **Gamboa D**, Vinetz J.

Citation: Am J Trop Med Hyg. 2020 Nov;103(5):1773-1776. doi: 10.4269/ajtmh.20-0889.

44. Diagnosis of *Plasmodium vivax* by Loop-Mediated Isothermal Amplification in Febrile Patient Samples from Loreto, Perú

Nolasco O, Infante B, Contreras-Mancilla J, Incardona S, Ding XC, **Gamboa D**, Torres K.

Citation: Am J Trop Med Hyg. 2020 Oct;103(4):1549-1552. doi: 10.4269/ajtmh.20-0212.

45. Economic costs analysis of uncomplicated malaria case management in the Peruvian Amazon

Moreno-Gutierrez D, Rosas-Aguirre A, Llanos-Cuentas A, Bilcke J, Barboza JL, Hayette MP, Contreras-Mancilla J, Aguirre K, **Gamboa D**, Rodriguez H, Speybroeck N, Beutels P.

Citation: Malar J. 2020 Apr 21;19(1):161. doi: 10.1186/s12936-020-03233-5.

- 46. Multiplex Human Malaria Array: Quantifying Antigens for Malaria Rapid Diagnostics**
Jang IK, Tyler A, Lyman C, Rek JC, Arinaitwe E, Adrama H, Murphy M, Imwong M, Proux S, Haohankhunnatham W, Barney R, Rashid A, Kalnoky M, Kahn M, Golden A, Nosten F, Greenhouse B, **Gamboa D**, Domingo GJ.

Citation: Am J Trop Med Hyg. 2020 Jun;102(6):1366-1369. doi: 10.4269/ajtmh.19-0763.

- 47. Human *Plasmodium vivax* diversity, population structure and evolutionary origin**
Rougeron V, Elguero E, Arnathau C, Acuña Hidalgo B, Durand P, Houze S, Berry A, Zakeri S, Haque R, Shafiul Alam M, Nosten F, Severini C, Gebru Woldearegai T, Mordmüller B, Kreamsner PG, González-Cerón L, Fontecha G, **Gamboa D**, Musset L, Legrand E, Noya O, Pumpaibool T, Harnyuttanakorn P, Lekweiry KM, Mohamad Albsheer M, Mahdi Abdel Hamid M, Boukary AOMS, Trape JF, Renaud F, Prugnolle F.

Citation: PLoS Negl Trop Dis. 2020 Mar 9;14(3):e0008072. doi: 10.1371/journal.pntd.0008072. eCollection 2020 Mar.

- 48. Quantification of malaria antigens PfHRP2 and pLDH by quantitative suspension array technology in whole blood, dried blood spot and plasma**

Martíáñez-Vendrell X, Jiménez A, Vásquez A, Campillo A, Incardona S, González R, **Gamboa D**, Torres K, Oyibo W, Faye B, Macete E, Menéndez C, Ding XC, Mayor A.

Citation: Malar J. 2020 Jan 9;19(1):12. doi: 10.1186/s12936-019-3083-5.

- 49. Anti-MSP-10 IgG indicates recent exposure to *Plasmodium vivax* infection in the Peruvian Amazon**

Rosas-Aguirre A, Patra KP, Calderón M, Torres K, **Gamboa D**, Arocutipa E, Málaga E, Garro K, Fernández C, Trompeter G, Alnasser Y, Llanos-Cuentas A, Gilman RH, Vinetz JM.

Citation: JCI Insight. 2020 Jan 16;5(1):e130769. doi: 10.1172/jci.insight.130769.

2019

- 50. Microsatellite analysis reveals connectivity among geographically distant transmission zones of *Plasmodium vivax* in the Peruvian Amazon: A critical barrier to regional malaria elimination**

Manrique P, Miranda-Alban J, Alarcon-Baldeon J, Ramirez R, Carrasco-Escobar G, Herrera H, Guzman-Guzman M, Rosas-Aguirre A, Llanos-Cuentas A, Vinetz JM, Escalante AA, **Gamboa D**.

Citation: PLoS Negl Trop Dis. 2019 Nov 11;13(11):e0007876. doi: 10.1371/journal.pntd.0007876. eCollection 2019 Nov.

- 51. Evaluation of *Plasmodium falciparum* MSP10 and its development as a serological tool for the Peruvian Amazon region**

Bendezu J, Villasis E, Morales Ruiz S, Garro K, Infante B, Gutierrez-Loli R, Rodríguez P, Fernández-Díaz M, **Gamboa D**, Torres K.

Citation: Malar J. 2019 Sep 23;18(1):327. doi: 10.1186/s12936-019-2959-8.

52. A multiplex qPCR approach for detection of *pfhrp2* and *pfhrp3* gene deletions in multiple strain infections of *Plasmodium falciparum*

Schindler T, Deal AC, Fink M, Guirou E, Moser KA, Mwakasungula SM, Mihayo MG, Jongo SA, Chaki PP, Abdulla S, Valverde PCM, Torres K, Bijeri JR, Silva JC, Hoffman SL, **Gamboa D**, Tanner M, Daubenberger C.

Citation: Sci Rep. 2019 Sep 11;9(1):13107. doi: 10.1038/s41598-019-49389-2.

53. A pilot evaluation of alternative procedures to simplify LAMP-based malaria diagnosis in field conditions

Serra-Casas E, Guetens P, Chiheb D, **Gamboa D**, Rosanas-Urgell A.

Citation: Acta Trop. 2019 Dec;200:105125. doi: 10.1016/j.actatropica.2019.105125. Epub 2019 Aug 5.

54. Higher risk of malaria transmission outdoors than indoors by *Nyssorhynchus darlingi* in riverine communities in the Peruvian Amazon

Saavedra MP, Conn JE, Alava F, Carrasco-Escobar G, Prussing C, Bickersmith SA, Sangama JL, Fernandez-Miñope C, Guzman M, Tong C, Valderrama C, Vinetz JM, **Gamboa D**, Moreno M.

Citation: Parasit Vectors. 2019 Jul 29;12(1):374. doi: 10.1186/s13071-019-3619-0.

55. Complement Receptor 1 availability on red blood cell surface modulates *Plasmodium vivax* invasion of human reticulocytes

Prajapati SK, Borlon C, Rovira-Vallbona E, Gruszczyk J, Menant S, Tham WH, Kattenberg JH, Villasis E, De Meulenaere K, **Gamboa D**, Vinetz J, Fujita R, Xuan XN, Urbano Ferreira M, Niño CH, Patarroyo MA, Spanakos G, Kestens L, Abbeele JVD, Rosanas-Urgell A.

Citation: Sci Rep. 2019 Jun 20;9(1):8943. doi: 10.1038/s41598-019-45228-6.

56. Malaria vector species in Amazonian Peru co-occur in larval habitats but have distinct larval microbial communities

Prussing C, Saavedra MP, Bickersmith SA, Alava F, Guzmán M, Manrique E, Carrasco-Escobar G, Moreno M, **Gamboa D**, Vinetz JM, Conn JE.

Citation: PLoS Negl Trop Dis. 2019 May 15;13(5):e0007412. doi: 10.1371/journal.pntd.0007412. eCollection 2019 May.

57. Use of open mobile mapping tool to assess human mobility traceability in rural offline populations with contrasting malaria dynamics

Carrasco-Escobar G, Castro MC, Barboza JL, Ruiz-Cabrejos J, Llanos-Cuentas A, Vinetz JM, **Gamboa D**.

Citation: PeerJ. 2019 Jan 22;7:e6298. doi: 10.7717/peerj.6298. eCollection 2019.

58. High-accuracy detection of malaria vector larval habitats using drone-based multispectral imagery

Carrasco-Escobar G, Manrique E, Ruiz-Cabrejos J, Saavedra M, Alava F, Bickersmith S, Prussing C, Vinetz JM, Conn JE, Moreno M, **Gamboa D**.

Citation: PLoS Negl Trop Dis. 2019 Jan 17;13(1):e0007105. doi: 10.1371/journal.pntd.0007105. eCollection 2019 Jan.

2018

59. Nyssorhynchus dunhami: bionomics and natural infection by Plasmodium falciparum and P. vivax in the Peruvian Amazon

Prussing C, Bickersmith SA, Moreno M, Saavedra MP, Alava F, Sallum MAM, **Gamboa D**, Vinetz JM, Conn JE.

Citation: Mem Inst Oswaldo Cruz. 2018 Dec 3;113(12):e180380. doi: 10.1590/0074-02760180380.

60. Effectiveness of a Malaria Surveillance Strategy Based on Active Case Detection during High Transmission Season in the Peruvian Amazon

Moreno-Gutierrez D, Llanos-Cuentas A, Luis Barboza J, Contreras-Mancilla J, **Gamboa D**, Rodriguez H, Carrasco-Escobar G, Boreux R, Hayette MP, Beutels P, Speybroeck N, Rosas-Aguirre A.

Citation: Int J Environ Res Public Health. 2018 Nov 27;15(12):2670. doi: 10.3390/ijerph15122670.

61. Acceptability of a herd immunity-focused, transmission-blocking malaria vaccine in malaria-endemic communities in the Peruvian Amazon: an exploratory study

White SE, Harvey SA, Meza G, Llanos A, Guzman M, **Gamboa D**, Vinetz JM.

Citation: Malar J. 2018 Apr 27;17(1):179. doi: 10.1186/s12936-018-2328-z.

62. Decreasing proportion of Anopheles darlingi biting outdoors between long-lasting insecticidal net distributions in peri-Iquitos, Amazonian Peru

Prussing C, Moreno M, Saavedra MP, Bickersmith SA, **Gamboa D**, Alava F, Schlichting CD, Emerson KJ, Vinetz JM, Conn JE.

Citation: Malar J. 2018 Feb 20;17(1):86. doi: 10.1186/s12936-018-2234-4.

63. Continuous Supply of Plasmodium vivax Sporozoites from Colonized Anopheles darlingi in the Peruvian Amazon

Moreno M, Tong-Rios C, Orjuela-Sanchez P, Carrasco-Escobar G, Campo B, **Gamboa D**, Winzeler EA, Vinetz JM.

Citation: ACS Infect Dis. 2018 Apr 13;4(4):541-548. doi: 10.1021/acsinfecdis.7b00195. Epub 2018 Mar 15.

64. Automated microscopy for routine malaria diagnosis: a field comparison on Giemsa-stained blood films in Peru

Torres, K., Bachman, C. M., Delahunt, C. B., Alarcon Baldeon, J., Alava, F., **Gamboa Vilela, D.**, Proux, S., Mehanian, C., McGuire, S. K., Thompson, C. M., Ostbye, T., Hu, L., Jaiswal, M. S., Hunt, V. M., & Bell, D.

Citation: Malar J. 2018 Sep 25;17(1):339. doi: 10.1186/s12936-018-2493-0.

2017

65. Evolutionary structure of *Plasmodium falciparum* major variant surface antigen genes in South America: Implications for epidemic transmission and surveillance

Rougeron V, Tiedje KE, Chen DS, Rask TS, **Gamboa D**, Maestre A, Musset L, Legrand E, Noya O, Yalcindag E, Renaud F, Prugnolle F, Day KP.

Citation: Ecol Evol. 2017 Oct 8;7(22):9376-9390. doi: 10.1002/ece3.3425. eCollection 2017 Nov.

66. High prevalence of very-low *Plasmodium falciparum* and *Plasmodium vivax* parasitaemia carriers in the Peruvian Amazon: insights into local and occupational mobility-related transmission

Carrasco-Escobar G, Miranda-Alban J, Fernandez-Miñope C, Brouwer KC, Torres K, Calderon M, **Gamboa D**, Llanos-Cuentas A, Vinetz JM.

Citation: Malar J. 2017 Oct 16;16(1):415. doi: 10.1186/s12936-017-2063-x.

67. Loop-mediated isothermal DNA amplification for asymptomatic malaria detection in challenging field settings: Technical performance and pilot implementation in the Peruvian Amazon

Serra-Casas E, Manrique P, Ding XC, Carrasco-Escobar G, Alava F, Gave A, Rodriguez H, Contreras-Mancilla J, Rosas-Aguirre A, Speybroeck N, González IJ, Rosanas-Urgell A, **Gamboa D**.

Citation: PLoS One. 2017 Oct 5;12(10):e0185742. doi: 10.1371/journal.pone.0185742. eCollection 2017.

68. Micro-epidemiology and spatial heterogeneity of *P. vivax* parasitaemia in riverine communities of the Peruvian Amazon: A multilevel analysis

Carrasco-Escobar G, **Gamboa D**, Castro MC, Bangdiwala SI, Rodriguez H, Contreras-Mancilla J, Alava F, Speybroeck N, Lescano AG, Vinetz JM, Rosas-Aguirre A, Llanos-Cuentas A.

Citation: Sci Rep. 2017 Aug 14;7(1):8082. doi: 10.1038/s41598-017-07818-0.

69. Micro-heterogeneity of malaria transmission in the Peruvian Amazon: a baseline assessment underlying a population-based cohort study

Rosas-Aguirre A, Guzman-Guzman M, **Gamboa D**, Chuquiyauri R, Ramirez R, Manrique P, Carrasco-Escobar G, Puemape C, Llanos-Cuentas A, Vinetz JM.

Citation: Malar J. 2017 Aug 4;16(1):312. doi: 10.1186/s12936-017-1957-y.

70. Predominance of asymptomatic and sub-microscopic infections characterizes the *Plasmodium* gametocyte reservoir in the Peruvian Amazon

Rovira-Vallbona E, Contreras-Mancilla JJ, Ramirez R, Guzmán-Guzmán M, Carrasco-Escobar G, Llanos-Cuentas A, Vinetz JM, **Gamboa D**, Rosanas-Urgell A.

Citation: PLoS Negl Trop Dis. 2017 Jul 3;11(7):e0005674. doi: 10.1371/journal.pntd.0005674. eCollection 2017 Jul.

71. Defining the next generation of *Plasmodium vivax* diagnostic tests for control and elimination: Target product profiles

Ding XC, Ade MP, Baird JK, Cheng Q, Cunningham J, Dhorda M, Drakeley C, Felger I, **Gamboa D**, Harbers M, Herrera S, Lucchi N, Mayor A, Mueller I, Sattabongkot J, Ratsimbason A, Richards J, Tanner M, González IJ.

Citation: PLoS Negl Trop Dis. 2017 Apr 3;11(4):e0005516. doi: 10.1371/journal.pntd.0005516. eCollection 2017 Apr.

72. Analytical sensitivity of current best-in-class malaria rapid diagnostic tests

Jimenez A, Rees-Channer RR, Perera R, **Gamboa D**, Chiodini PL, González IJ, Mayor A, Ding XC.

Citation: Malar J. 2017 Mar 24;16(1):128. doi: 10.1186/s12936-017-1780-5.

73. Spatio-temporal analysis of malaria incidence in the Peruvian Amazon Region between 2002 and 2013

Soto-Calle V, Rosas-Aguirre A, Llanos-Cuentas A, Abatih E, DeDeken R, Rodriguez H, Rosanas-Urgell A, **Gamboa D**, D Alessandro U, Erhart A, Speybroeck N.

Citation: Sci Rep. 2017 Jan 16;7:40350. doi: 10.1038/srep40350.

2016

74. Correction: Colorimetric Detection of *Plasmodium vivax* in Urine Using MSP10 Oligonucleotides and Gold Nanoparticles

Alnasser Y, Ferradas C, Clark T, Calderon M, Gurbillon A, **Gamboa D**, McKakpo US, Quakyi IA, Bosompem KM, Sullivan DJ, Vinetz JM, Gilman RH.

Citation: PLoS Negl Trop Dis. 2016 Nov 9;10(11):e0005143. doi: 10.1371/journal.pntd.0005143. eCollection 2016 Nov.

75. Epidemiology of *Plasmodium vivax* Malaria in Peru

Rosas-Aguirre A, **Gamboa D**, Manrique P, Conn JE, Moreno M, Lescano AG, Sanchez JF, Rodriguez H, Silva H, Llanos-Cuentas A, Vinetz JM.

Citation: Am J Trop Med Hyg. 2016 Dec 28;95(6 Suppl):133-144. doi: 10.4269/ajtmh.16-0268. Epub 2016 Oct 31.

76. Colorimetric Detection of *Plasmodium vivax* in Urine Using MSP10 Oligonucleotides and Gold Nanoparticles

Alnasser Y, Ferradas C, Clark T, Calderon M, Gurbillon A, **Gamboa D**, McKakpo US, Quakyi IA, Bosompem KM, Sullivan DJ, Vinetz JM, Gilman RH.

Citation: PLoS Negl Trop Dis. 2016 Oct 5;10(10):e0005029. doi: 10.1371/journal.pntd.0005029. eCollection 2016 Oct.

77. Population genomics studies identify signatures of global dispersal and drug resistance in *Plasmodium vivax*

Hupalo DN, Luo Z, Melnikov A, Sutton PL, Rogov P, Escalante A, Vallejo AF, Herrera S, Arévalo-Herrera M, Fan Q, Wang Y, Cui L, Lucas CM, Durand S, Sanchez JF, Baldeviano GC, Lescano AG, Laman M, Barnadas C, Barry A, Mueller I, Kazura JW, Eapen A, Kanagaraj D, Valecha N, Ferreira MU, Roobsoong W, Nguitragool W, Sattabonkot J, **Gamboa D**, Kosek M, Vinetz JM, González-Cerón L, Birren BW, Neafsey DE, Carlton JM.

Citation: Nat Genet. 2016 Aug;48(8):953-8. doi: 10.1038/ng.3588. Epub 2016 Jun 27.

78. Population Genetics of *Plasmodium vivax* in the Peruvian Amazon

Delgado-Ratto C, **Gamboa D**, Soto-Calle VE, Van den Eede P, Torres E, Sánchez-Martínez L, Contreras-Mancilla J, Rosanas-Urgell A, Rodríguez Ferrucci H, Llanos-Cuentas A, Erhart A, Van Geertruyden JP, D'Alessandro U.

Citation: PLoS Negl Trop Dis. 2016 Jan 14;10(1):e0004376. doi: 10.1371/journal.pntd.0004376. eCollection 2016 Jan.

2015

79. Hotspots of Malaria Transmission in the Peruvian Amazon: Rapid Assessment through a Parasitological and Serological Survey

Rosas-Aguirre A, Speybroeck N, Llanos-Cuentas A, Rosanas-Urgell A, Carrasco-Escobar G, Rodríguez H, **Gamboa D**, Contreras-Mancilla J, Alava F, Soares IS, Remarque E, D'Alessandro U, Erhart A.

Citation: PLoS One. 2015 Sep 10;10(9):e0137458. doi: 10.1371/journal.pone.0137458. eCollection 2015.

80. Assessment of an automated capillary system for *Plasmodium vivax* microsatellite genotyping

Manrique P, Hoshi M, Fasabi M, Nolasco O, Yori P, Calderón M, Gilman RH, Kosek MN, Vinetz JM, **Gamboa D**.

Citation: Malar J. 2015 Aug 21;14:326. doi: 10.1186/s12936-015-0842-9.

81. Malaria Diagnosis Across the International Centers of Excellence for Malaria Research: Platforms, Performance, and Standardization

Kobayashi T, **Gamboa D**, Ndiaye D, Cui L, Sutton PL, Vinetz JM.

Citation: Am J Trop Med Hyg. 2015 Sep;93(3 Suppl):99-109. doi: 10.4269/ajtmh.15-0004. Epub 2015 Aug 10.

82. Malaria Molecular Epidemiology: Lessons from the International Centers of Excellence for Malaria Research Network

Escalante AA, Ferreira MU, Vinetz JM, Volkman SK, Cui L, **Gamboa D**, Krogstad DJ, Barry AE, Carlton JM, van Eijk AM, Pradhan K, Mueller I, Greenhouse B, Pacheco MA, Vallejo AF, Herrera S, Felger I.

Citation: Am J Trop Med Hyg. 2015 Sep;93(3 Suppl):79-86. doi: 10.4269/ajtmh.15-0005. Epub 2015 Aug 10.

83. *Plasmodium vivax* Diversity and Population Structure across Four Continents

Koepfli C, Rodrigues PT, Antao T, Orjuela-Sánchez P, Van den Eede P, **Gamboa D**, van Hong N, Bendezu J, Erhart A, Barnadas C, Ratsimbaoa A, Menard D, Severini C, Menegon M, Nour BY, Karunaweera N, Mueller I, Ferreira MU, Felger I.

Citation: PLoS Negl Trop Dis. 2015 Jun 30;9(6):e0003872. doi: 10.1371/journal.pntd.0003872. eCollection 2015.

84. Modelling the potential of focal screening and treatment as elimination strategy for *Plasmodium falciparum* malaria in the Peruvian Amazon Region

Rosas-Aguirre A, Erhart A, Llanos-Cuentas A, Branch O, Berkvens D, Abatih E, Lambert P, Frasso G, Rodriguez H, **Gamboa D**, Sihuinchu M, Rosanas-Urgell A, D'Alessandro U, Speybroeck N.

Citation: Parasit Vectors. 2015 May 7;8:261. doi: 10.1186/s13071-015-0868-4.

85. *Plasmodium vivax* malaria at households: spatial clustering and risk factors in a low endemicity urban area of the northwestern Peruvian coast

Rosas-Aguirre A, Ponce OJ, Carrasco-Escobar G, Speybroeck N, Contreras-Mancilla J, **Gamboa D**, Pozo E, Herrera S, Llanos-Cuentas A.

Citation: Malar J. 2015 Apr 24;14:176. doi: 10.1186/s12936-015-0670-y.

86. Molecular Epidemiology of *Plasmodium falciparum* Malaria Outbreak, Tumbes, Peru, 2010-2012

Baldeviano GC, Okoth SA, Arrospide N, Gonzalez RV, Sánchez JF, Macedo S, Conde S, Tapia LL, Salas C, **Gamboa D**, Herrera Y, Edgel KA, Udhayakumar V, Lescano AG.

Citation: Emerg Infect Dis. 2015 May;21(5):797-803. doi: 10.3201/eid2105.141427.

87. Genome-level determination of *Plasmodium falciparum* blood-stage targets of malarial clinical immunity in the Peruvian Amazon

Torres KJ, Castrillon CE, Moss EL, Saito M, Tenorio R, Molina DM, Davies H, Neafsey DE, Felgner P, Vinetz JM, **Gamboa D**.

Citation: J Infect Dis. 2015 Apr 15;211(8):1342-51. doi: 10.1093/infdis/jiu614. Epub 2014 Nov 7.

2014

88. Patterns of selection on *Plasmodium falciparum* erythrocyte-binding antigens after the colonization of the New World

Yalcindag E, Rougeron V, Elguero E, Amathau C, Durand P, Brisse S, Diancourt L, Aubouy A, Becquart P, D'Alessandro U, Fontenille D, **Gamboa D**, Maestre A, Ménard D, Musset L, Noya O, Veron V, Wide A, Carme B, Legrand E, Chevillon C, Ayala FJ, Renaud F, Prugnolle F.

Citation: Mol Ecol. 2014 Apr;23(8):1979-93. doi: 10.1111/mec.12696.

89. Genetic diversity of VAR2CSA ID1-DBL2Xb in worldwide *Plasmodium falciparum* populations: impact on vaccine design for placental malaria

Bordbar B, Tuikue Ndam N, Renard E, Jafari-Guemouri S, Tavul L, Jennison C, Gnidehou S, Tahar R, **Gamboa D**, Bendezu J, Menard D, Barry AE, Deloron P, Sabbagh A.

Citation: Infect Genet Evol. 2014 Jul;25:81-92. doi: 10.1016/j.meegid.2014.04.010. Epub 2014 Apr 21.

90. Relationship of regulatory T cells to *Plasmodium falciparum* malaria symptomatology in a hypoendemic region

Torres KJ, Villasis E, Bendezú J, Chauca J, Vinetz JM, **Gamboa D**.

Citation: Malar J. 2014 Mar 19;13:108. doi: 10.1186/1475-2875-13-108.

91. Infection of laboratory-colonized *Anopheles darlingi* mosquitoes by *Plasmodium vivax*

Moreno M, Tong C, Guzmán M, Chuquiyauri R, Llanos-Cuentas A, Rodriguez H, **Gamboa D**, Meister S, Winzeler EA, Maguina P, Conn JE, Vinetz JM.

Citation: Am J Trop Med Hyg. 2014 Apr;90(4):612-616. doi: 10.4269/ajtmh.13-0708. Epub 2014 Feb 17.

92. Population structure and spatio-temporal transmission dynamics of *Plasmodium vivax* after radical cure treatment in a rural village of the Peruvian Amazon

Delgado-Ratto C, Soto-Calle VE, Van den Eede P, **Gamboa D**, Rosas A, Abatih EN, Rodriguez Ferrucci H, Llanos-Cuentas A, Van Geertruyden JP, Erhart A, D'Alessandro U.

Citation: Malar J. 2014 Jan 6;13:8. doi: 10.1186/1475-2875-13-8.

2013

93. Multiple genetic origins of histidine-rich protein 2 gene deletion in *Plasmodium falciparum* parasites from Peru

Akinyi S, Hayden T, **Gamboa D**, Torres K, Bendezu J, Abdallah JF, Griffing SM, Quezada WM, Arrospide N, De Oliveira AM, Lucas C, Magill AJ, Bacon DJ, Barnwell JW, Udhayakumar V.

Citation: Sci Rep. 2013 Sep 30;3:2797. doi: 10.1038/srep02797.

94. Assessing malaria transmission in a low endemicity area of north-western Peru

Rosas-Aguirre A, Llanos-Cuentas A, Speybroeck N, Cook J, Contreras-Mancilla J, Soto V, **Gamboa D**, Pozo E, Ponce OJ, Pereira MO, Soares IS, Theisen M, D'Alessandro U, Erhart A.

Citation: Malar J. 2013 Sep 22;12:339. doi: 10.1186/1475-2875-12-339.

95. The history of 20th century malaria control in Peru

Griffing SM, **Gamboa D**, Udhayakumar V.

Citation: Malar J. 2013 Aug 30;12:303. doi: 10.1186/1475-2875-12-303.

96. Traditional nets interfere with the uptake of long-lasting insecticidal nets in the Peruvian Amazon: the relevance of net preference for achieving high coverage and use

Grietens KP, Muela Ribera J, Soto V, Tenorio A, Hoibak S, Aguirre AR, Toomer E, Rodriguez H, Llanos Cuentas A, D'Alessandro U, **Gamboa D**, Erhart A.

Citation: PLoS One. 2013;8(1):e50294. doi: 10.1371/journal.pone.0050294. Epub 2013 Jan 2.

2012

97. *Plasmodium falciparum* field isolates from South America use an atypical red blood cell invasion pathway associated with invasion ligand polymorphisms

Lopez-Perez M, Villasis E, Machado RL, Póvoa MM, Vinetz JM, Blair S, **Gamboa D**, Lustigman S.

Citation: PLoS One. 2012;7(10):e47913. doi: 10.1371/journal.pone.0047913. Epub 2012 Oct 31.

98. Anti-*Plasmodium falciparum* invasion ligand antibodies in a low malaria transmission region, Loreto, Peru

Villasis E, Lopez-Perez M, Torres K, **Gamboa D**, Neyra V, Bendezu J, Tricoche N, Lobo C, Vinetz JM, Lustigman S.

Citation: Malar J. 2012 Oct 30;11:361. doi: 10.1186/1475-2875-11-361.

99. Rapid diagnostic tests for malaria diagnosis in the Peruvian Amazon: impact of *pfhrp2* gene deletions and cross-reactions

Maltha J, **Gamboa D**, Bendezu J, Sanchez L, Cnops L, Gillet P, Jacobs J.

Citation: PLoS One. 2012;7(8):e43094. doi: 10.1371/journal.pone.0043094. Epub 2012 Aug 28.

100. Multiple independent introductions of *Plasmodium falciparum* in South America

Yalcindag E, Elguero E, Arnathau C, Durand P, Akiana J, Anderson TJ, Aubouy A, Balloux F, Besnard P, Bogreau H, Carnevale P, D'Alessandro U, Fontenille D, **Gamboa D**, Jombart T, Le Mire J, Leroy E, Maestre A, Mayxay M, Ménard D, Musset L, Newton PN, Nkoghé D, Noya O, Ollomo B, Rogier C, Veron V, Wide A, Zakeri S, Carme B, Legrand E, Chevillon C, Ayala FJ, Renaud F, Prugnolle F.

Citation: Proc Natl Acad Sci U S A. 2012 Jan 10;109(2):511-6. doi: 10.1073/pnas.1119058109. Epub 2011 Dec 27.

101. Amazonian malaria: asymptomatic human reservoirs, diagnostic challenges, environmentally driven changes in mosquito vector populations, and the mandate for sustainable control strategies

da Silva-Nunes M, Moreno M, Conn JE, **Gamboa D**, Abeles S, Vinetz JM, Ferreira MU.

Citation: Acta Trop. 2012 Mar;121(3):281-91. doi: 10.1016/j.actatropica.2011.10.001. Epub 2011 Oct 12.

2011

102. ***Plasmodium vivax* sub-patent infections after radical treatment are common in Peruvian patients: results of a 1-year prospective cohort study**
Van den Eede P, Soto-Calle VE, Delgado C, **Gamboa D**, Grande T, Rodriguez H, Llanos-Cuentas A, Anné J, D'Alessandro U, Erhart A.
Citation: PLoS One. 2011 Jan 28;6(1):e16257. doi: 10.1371/journal.pone.0016257.

2010

103. **Use of standardized blood smear slide sets for competency assessment in the malaria microscopic diagnosis in the Peruvian Amazon**
Rosas-Aguirre Á, **Gamboa D**, Rodriguez H, Llanos-Zavalaga F, Aguirre K, Llanos-Cuentas A.
Citation: Rev Peru Med Exp Salud Publica. 2010 Oct-Dec;27(4):540-7. doi: 10.1590/s1726-46342010000400008.
104. **Placental histopathologic changes associated with subclinical malaria infection and its impact on the fetal environment**
Parekh FK, Davison BB, **Gamboa D**, Hernandez J, Branch OH.
Citation: Am J Trop Med Hyg. 2010 Nov;83(5):973-80. doi: 10.4269/ajtmh.2010.09-0445.
105. **Field evaluation of a rapid diagnostic test (Parascreen) for malaria diagnosis in the Peruvian Amazon**
Bendezu J, Rosas A, Grande T, Rodriguez H, Llanos-Cuentas A, Escobedo J, **Gamboa D**.
Citation: Malar J. 2010 Jun 7;9:154. doi: 10.1186/1475-2875-9-154.
106. **Multilocus genotyping reveals high heterogeneity and strong local population structure of the *Plasmodium vivax* population in the Peruvian Amazon**
Van den Eede P, Van der Auwera G, Delgado C, Huyse T, Soto-Calle VE, **Gamboa D**, Grande T, Rodriguez H, Llanos A, Anné J, Erhart A, D'Alessandro U.
Citation: Malar J. 2010 Jun 3;9:151. doi: 10.1186/1475-2875-9-151.
107. **Adherence to 7-day primaquine treatment for the radical cure of *P. vivax* in the Peruvian Amazon**
Grietens KP, Soto V, Erhart A, Ribera JM, Toomer E, Tenorio A, Montalvo TG, Rodriguez H, Cuentas AL, D'Alessandro U, **Gamboa D**.
Citation: Am J Trop Med Hyg. 2010 Jun;82(6):1017-23. doi: 10.4269/ajtmh.2010.09-0521.
108. **Global sequence variation in the histidine-rich proteins 2 and 3 of *Plasmodium falciparum*: implications for the performance of malaria rapid diagnostic tests**

Baker J, Ho MF, Pelecanos A, Gatton M, Chen N, Abdullah S, Albertini A, Arie F, Barnwell J, Bell D, Cunningham J, Djalle D, Echeverry DF, **Gamboa D**, Hii J, Kyaw MP, Luchavez J, Membi C, Menard D, Murillo C, Nhem S, Ogutu B, Onyor P, Oyibo W, Wang SQ, McCarthy J, Cheng Q.

Citation: Malar J. 2010 May 17;9:129. doi: 10.1186/1475-2875-9-129.

109. A large proportion of *P. falciparum* isolates in the Amazon region of Peru lack *pfhrp2* and *pfhrp3*: implications for malaria rapid diagnostic tests

Gamboa D, Ho MF, Bendezu J, Torres K, Chiodini PL, Barnwell JW, Incardona S, Perkins M, Bell D, McCarthy J, Cheng Q.

Citation: PLoS One. 2010 Jan 25;5(1):e8091. doi: 10.1371/journal.pone.0008091.

2009

110. Medicinal plants from the Yanesha (Peru): evaluation of the leishmanicidal and antimalarial activity of selected extracts

Valadeau C, Pabon A, Deharo E, Albán-Castillo J, Estevez Y, Lores FA, Rojas R, **Gamboa D**, Sauvain M, Castillo D, Bourdy G.

Citation: J Ethnopharmacol. 2009 Jun 25;123(3):413-22. doi: 10.1016/j.jep.2009.03.041.

2008

111. Antibody response dynamics to the *Plasmodium falciparum* conserved vaccine candidate antigen, merozoite surface protein-1 C-terminal 19kD (MSP-19kD), in Peruvians exposed to hypoendemic malaria transmission

Torres KJ, Clark EH, Hernandez JN, Soto-Cornejo KE, **Gamboa D**, Branch OH.

Citation: Malar J. 2008 Sep 9;7:173. doi: 10.1186/1475-2875-7-173.

112. Evaluation of an in vitro and in vivo model for experimental infection with *Leishmania (Viannia) braziliensis* and *L. (V.) peruviana*

Gamboa, D., Torres, K., De Doncker, S., Zimic, M., Arevalo, J., & Dujardin, J. C.

Citation: Parasitology. 2008 Mar;135(3):319-26. doi: 10.1017/S0031182007003848.

2007

113. Isolation and molecular identification of *Leishmania (Viannia) peruviana* from naturally infected *Lutzomyia peruensis* (Diptera: Psychodidae) in the Peruvian Andes

Perez JE, Veland N, Espinosa D, Torres K, Ogusuku E, Llanos-Cuentas A, **Gamboa D**, Arévalo J.

Citation: Mem Inst Oswaldo Cruz. 2007 Aug;102(5):655-8. doi: 10.1590/s0074-02762007005000077.

114. Putative markers of infective life stages in *Leishmania (Viannia) braziliensis*

Gamboa, D., Van Eys, G., Victoir, K., Torres, K., Adaui, V., Arevalo, J., & Dujardin, J. C.

Citation: Parasitology. 2007 Nov;134(Pt 12):1689-98. doi: 10.1017/S003118200700306X. Epub 2007 Sep 26.

2005

115. **Clustered local transmission and asymptomatic *Plasmodium falciparum* and *Plasmodium vivax* malaria infections in a recently emerged, hypoendemic Peruvian Amazon community**

Branch O, Casapia WM, **Gamboa DV**, Hernandez JN, Alava FF, Roncal N, Alvarez E, Perez EJ, Gotuzzo E.

Citation: Malar J. 2005 Jun 23;4:27. doi: 10.1186/1475-2875-4-27.