

CSCMi PUBLICATION LIST, 2011-2018

EPIDEMIOLOGY

Ref.1. Das A, Anvikar AR, Cator LJ, Dhiman RC, Eapen A, Mishra N, Nagpal BN, Nanda N, Raghavendra K, Read AF, Sharma SK, Singh OP, Singh V, Sinnis P, Srivastava HC, Sullivan SA, Sutton PL, Thomas MB, Carlton JM, Valecha N. **Malaria in India: the center for the study of complex malaria in India.** Acta Trop. 2012 Mar;121(3):267-73. PMID: PMC3294179.

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Ref.3. 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. **Malaria Molecular Epidemiology: Lessons from the International Centers of Excellence for Malaria Research Network.** Am J Trop Med Hyg. 2015 Sep;93(3 Suppl):79-86. PMID: PMC4574277.

Ref.4. Wilson ML, Krogstad DJ, Arinaitwe E, Arevalo-Herrera M, Chery L, Ferreira MU, Ndiaye D, Mathanga DP, Eapen A. **Urban Malaria: Understanding its Epidemiology, Ecology, and Transmission Across Seven Diverse ICEMR Network Sites.** Am J Trop Med Hyg. 2015 Sep;93(3 Suppl):110-23. PMID: PMC4574269.

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Ref.7. Anna Maria van Eijk, Patrick L. Sutton, Lalitha Ramanathapuram, Pavitra Rao, Nikunj Tandel, Ankita Patel, Nisha Desai, Sandhya Choubey, Syed Zeeshan Ali, Punam Barla, Rajashri Rani Oraon, Stuti Mohanty, Deena Kanagaraj, G Sri Lakshmi Priya, Sangamithra Ravishankaran, Aswin Asokan, V. Sangeetha, Nabamita Bandyopadhyay, Steven A. Sullivan, Samuel C. Wassmer, Om P. Singh, Neena Valecha, Ranveer Singh, K Pradhan, Harish C. Srivastava, Jane M. Carlton, Alex Eapen. **The epidemiology of submicroscopic and asymptomatic malaria infections at three sites in India.** Submitted.

Ref.8. Laishram DD, Sutton PL, Nanda N, Sharma VL, Sobti RC, Carlton JM, Joshi H: **The complexities of malaria disease manifestations with a focus on asymptomatic malaria.** Malar J 2012, 11:29. PMID: PMC3342920.

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TRANSMISSION

Ref.1. Paaijmans KP, Thomas MB. **The influence of mosquito resting behaviour and associated microclimate for malaria risk.** Malar J. 2011 Jul 7;10:183. PMID: PMC3146900.

Ref.2. Paaijmans KP, Blanford S, Chan BH, Thomas MB. **Warmer temperatures reduce the vectorial capacity of malaria mosquitoes.** Biology Letters 2012; 8: 465-468. PMID: PMC3367745.

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Ref.17. Quiñones ML, Norris DE, Conn JE, Moreno M, Burkot TR, Bugoro H, Keven JB, Cooper R, Yan G, Rosas A, Palomino M, Donnelly MJ, Mawejje HD, Eapen A, Montgomery J, Coulibaly MB, Beier JC, Kumar A. **Insecticide Resistance in Areas Under Investigation by the International Centers of Excellence for Malaria Research: A Challenge for Malaria Control and Elimination.** Am J Trop Med Hyg. 2015 Sep;93(3 Suppl):69-78. PMID: PMC4574276.

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GENOMICS AND DRUG RESISTANCE

Ref.1. Read AF, Day T, Huijben S. **The evolution of drug resistance and the curious orthodoxy of aggressive chemotherapy.** Proc Natl Acad Sci U S A. 2011 Jun 28;108 Suppl 2:10871-7. PMID: PMC3131826.

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Ref.3. Mideo N, Kennedy DA, Carlton JM, Bailey JA, Juliano JJ, Read AF. **Ahead of the curve: next generation estimators of drug resistance in malaria infections.** Trends Parasitol. 2013 Jul;29(7):321-8. PMID: PMC3694767.

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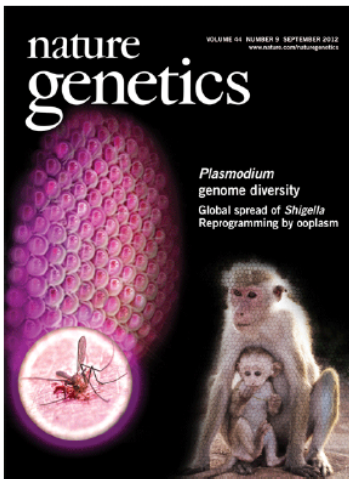
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International Centers of Excellence for Malaria Research. Am J Trop Med Hyg. 2015 Sep;93(3 Suppl):87-98. PMID: PMC4574278.

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Ref.12. Hupaló 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. **Population genomics studies identify signatures of global dispersal and drug resistance in Plasmodium vivax.** Nat Genet. 2016 Aug;48(8):953-8. PMID: PMC5347536. **Front cover article (at left).**

Ref.13. Plasmodium genomics and the art of sequencing malaria parasite genomes' Jane M. Carlton, Steven A. Sullivan and Karine G. Le Roch. In *Malaria Parasites: Comparative Genomics, Evolution and Molecular Biology* Editors **J. Carlton**, S. Perkins and K. Deitsch, Caister Academic Press, February 2013.

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PATHOGENESIS AND CEREBRAL MALARIA

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CSCMi DATA CORE

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Ref.2. Jie Zheng¹, Jashon Cade¹, Brian Brunk¹, David Roos¹, Chris Stoeckert¹, San James², Emmanuel Arinaitwe², Bryan Greenhouse³, Grant Dorsey³, Steven Sullivan⁴, Jane Carlton⁴, Gabriel Carrasco-Escobar⁵, Dionicia Gamboa⁵, Paula Maguina-Mercede⁶ and Joseph Vinetz⁶. **Malaria study data integration and information retrieval based on OBO Foundry ontologies.** Proceedings of 7th International Conference on Biomedical Ontologies (ICBO2016).