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RESEARCH ARTICLE

Uncovering the essential genes of the human malaria parasite *Plasmodium falciparum* by saturation mutagenesis

MIN ZHANG, CHENGQI WANG, THOMAS D. OTTO, JENNA OBERSTALLER, XIANGYUN LIAO, SWAMY R. ADAPA, KENNETH UDENZE, IRAAD F. BRONNER, DEBORAH CASANDRA, [...], AND JOHN H. ADAMS +6 authors Authors Info & Affiliations

Nucleic Acids Research

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Volume 51, Issue 8
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JOURNAL ARTICLE

Characterization of the dual role of *Plasmodium falciparum* DNA methyltransferase in regulating transcription and translation

Amuza B Lucky, Chengqi Wang, Xiaolian Li, Anongruk Chim-Ong, Swamy R Adapa, Eoin P Quinlivan, Rays Jiang, Liwang Cui, Jun Miao ✉ Author Notes

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Article

Cell

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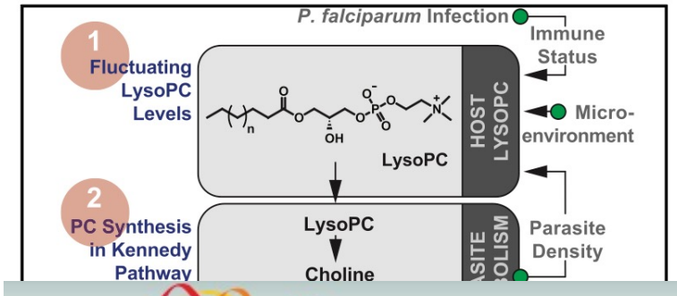
Graphical Abstract



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Min Zhang[1,6], Chengqi Wang[1,6], Jenna Oberstaller[1,6], Phaedra Thomas[1], Thomas D. Otto[2,3], Debora Casandra[1], Sandhya Boyapalle[1], Swamy R. Adapa[1], Shulin Xu[1], Katrina Button-Simons[4], Matthew Mayho[2], Julian C. Rayner[2,5], Michael T. Ferdig[5], Rays H. Y. Jiang[1] & John H. Adams[1✉]

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A type II protein arginine methyltransferase regulates merozoite invasion in *Plasmodium falciparum*

Amuza Byaruhanga Lucky[1,5], Chengqi Wang[2,5], Min Liu[1,3,5], Xiaoying Liang[1], Hui Min[1], Qi Fan[4], Faiza Amber Siddiqui[1], Swamy Rakesh Adapa[2], Xiaolian Li[1], Rays H. Y. Jiang[2], Xiaoguang Chen[3], Liwang Cui[1] & Jun Miao[1✉]