Bio

STANFORD ADVISORS

• Justin Sonnenburg, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

• Revisiting the malaria hypothesis: accounting for polygenicity and pleiotropy. *Trends in parasitology*
  Ebel, E. R., Uricchio, L. H., Petrov, D. A., Egan, E. S.
  1800

• Common host variation drives malaria parasite fitness in healthy human red cells. *eLife*
  Ebel, E. R., Kuypers, F. A., Lin, C., Petrov, D. A., Egan, E. S.
  2021; 10

• Historical trends and new surveillance of Plasmodium falciparum drug resistance markers in Angola. *Malaria journal*
  Ebel, E. R., Reis, F., Petrov, D. A., Beleza, S.
  2021; 20 (1): 175

• A common polymorphism in the mechanosensitive ion channel PIEZO1 is associated with protection from severe malaria in humans. *Proceedings of the National Academy of Sciences of the United States of America*
  2020

• High rate of adaptation of mammalian proteins that interact with Plasmodium and related parasites *PLOS GENETICS*
  2017; 13 (9): e1007023

• Development of a Comprehensive Genotype-to-Fitness Map of Adaptation-Driving Mutations in Yeast. *Cell*
  2016; 166 (6): 1585-1596 e22

• Intrinsic differences between males and females determine sex-specific consequences of inbreeding *BMC EVOLUTIONARY BIOLOGY*
  Ebel, E. R., Phillips, P. C.
  2016; 16

• Rapid diversification associated with ecological specialization in Neotropical Adelpha butterflies *MOLECULAR ECOLOGY*
  2015; 24 (10): 2392-2405

• Commentary: Portuguese crypto-Jews: the genetic heritage of a complex history. *Frontiers in genetics*