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Short presentation

As head of the TARGETS team my focus is on a family of "sticky" proteins known as the *Plasmodium falciparum* erythrocyte membrane protein 1 (PfEMP1). *P. falciparum* is the most pathogenic malaria parasite and a major cause of morbidity and mortality among children in sub-Saharan Africa. The virulence of *P. falciparum* is linked to its expression of PfEMP1 on the surface of infected erythrocytes; these proteins enable the parasites to "stick" to capillaries of the host and are involved in pathogenesis as well of development of immunity to malaria. We have identified a subset of PfEMP1 proteins of importance in severe malaria and are currently investigating their involvement in the molecular mechanisms elicited in cerebral malaria. Read more about our latest discovery at the Advanced Science web site.

Research outputs

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