“Leveraging bloodmeals to target the transmission of mosquito-borne pathogens”

Reducing the transmission of mosquito-borne diseases typically relies upon insecticides sprayed into the environment, or applied to house walls or bednets. These methods have been successful, but have limited ability to control residual and outdoor transmission and can also be problematic for the environment. The advent of endectocidal drugs in the 1970s ushered in the era of controlling helminth and arthropod infestations on farm and companion animals using oral drugs. We are repurposing these drugs for the purpose of controlling mosquito-borne diseases that afflict humans.