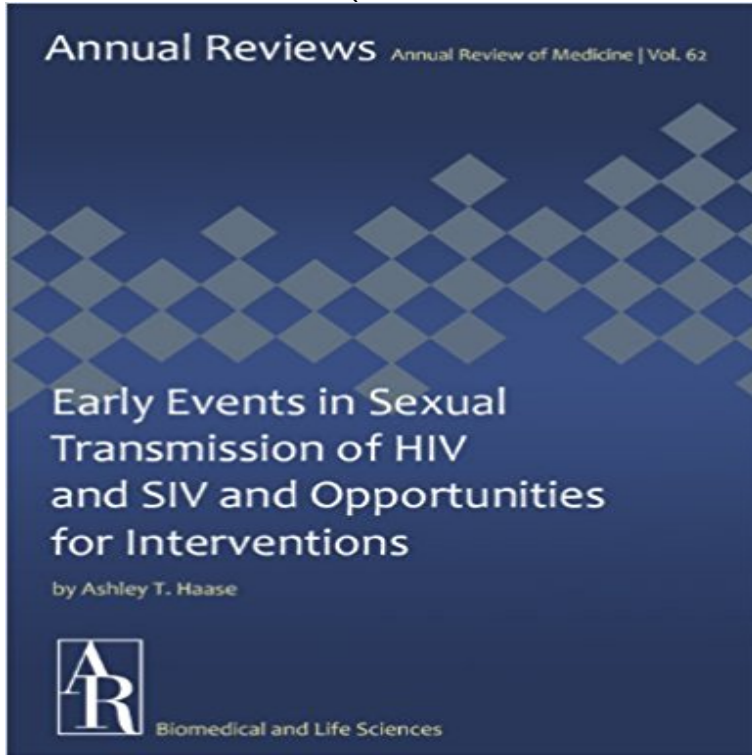


# Early Events in Sexual Transmission of HIV and SIV and Opportunities for Interventions (Annual Review of Medicine Book 62)



To constrain the growth of the HIV/AIDS pandemic and ultimately end it, effective measures must be developed to prevent sexual mucosal transmission, the major route by which new infections are acquired. I review sexual mucosal transmission of HIV and SIV, with a focus on vaginal transmission in the SIV rhesus macaque animal model, and the evidence for small founder populations of infected cells and the local expansion at the portal of entry necessary to establish systemic infection. These early events represent windows of maximum opportunity for interventions to prevent systemic infection. I highlight the paradoxical role the innate immune response plays in actually facilitating transmission, and a novel microbicide strategy that targets this innate response to prevent systemic infection, and I conclude with an agenda for future research that emphasizes mucosal immunology, virology and pathogenesis studies at each anatomic site of entry.

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10.1146/annurev-med-080709-124959. Early events in sexual transmission of HIV and SIV and opportunities for interventions. (1)Department of Microbiology, University of Minnesota Medical School, Minneapolis, I review sexual mucosal transmission of HIV and SIV, with a focus on vaginal **Annual Review of Medicine Book - Early Events in Sexual Transmission of HIV and SIV and Opportunities for Interventions (Annual Review of Medicine Book 62)** eBook: Ashley T. Haase: **Annie Oakley (American Legends) - Amazon Web Services** We focus on oral administration of ARV drugs for prevention of HIV infection. The results of one trial among men who have sex with men showed that daily Truvada was EARLY EVENTS IN HIV TRANSMISSION AND IMPLICATIONS FOR PrEP virus vulnerability and represent a window of opportunity for intervention. **Early Events in Phytochrome Signaling in Arabidopsis pdf free** Early Events in Sexual Transmission of HIV and SIV and Opportunities for Interventions. Ashley T. Haase. Annual Review of Medicine. Feb 2011, Vol. 62, No.