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“Malaria model and optimal use of sulfadoxine-pyrimethamine as a temporary malaria vaccine in Mali”

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Thursday, November 18, 2010
2 p.m., Room 403, Blount Hall, 1534 White Ave.

Join Dr. Abdul-Aziz Yakubu as he discusses the results of his study on the use of sulfadoxine-pyrimethamine as a temporary malaria vaccine. The study includes a deterministic malaria model for determining the drug administration protocol that led to the smallest first malaria episodes during the wet season in Mali. In exploring the effects of administering the malaria drug overdose, the study defined 40 drug administration protocols. The results of the study fit the clinical studies of Coulibaly et al. at a site in Mali. In fact, the study provided protocols that led to a smaller number of first malaria episodes during the wet season than the protocol of Coulibay et al.