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Research Interests

My major research interest is to understand the role of hemoglobin S and other variant hemoglobins in malaria chemotherapy. My research focus has been to elucidate the mechanism of action of antimalarials, such as artemisinin and new lipophilic iron chelators in sickle cell malaria. Other areas of interest include neurophysiology, electrophysiology, the patch clamp, neurodegenerative diseases, neurogenetics, neuropharmacology, and ion channels.

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