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Research Interests:

I have spent the last three decades trying to understand the role of zinc in the brain. Even though zinc's role in the structure and function of proteins has been known for almost a century, its role as a neurosecretory product or cofactor in the central nervous system is a relatively new finding. I am one of the first to report the pivotal finding that zinc translocation from the presynaptic to the postsynaptic terminal contributes significantly to neuronal injury or neurogenesis after global ischemia, brain trauma, seizure and hypoglycemia.