

EVERERSON LECTURE IN BIOCHEMISTRY

Thursday, October 20, 2005, 12:00

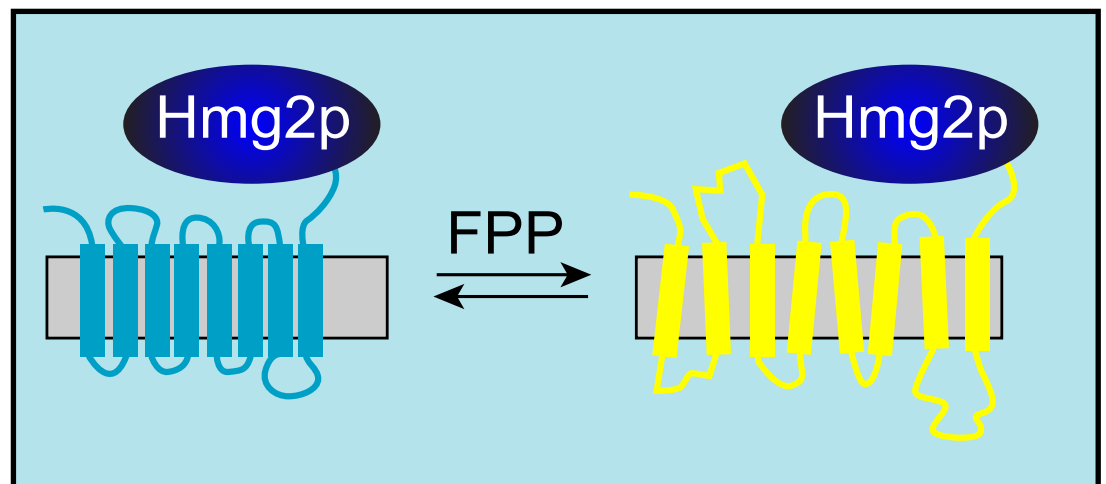
Room B1118 Biochemistry, 420 Henry Mall, UW-Madison

Dr. Randy Hampton

Professor, Department of Biology, University of California-San Diego

Randy Hampton received his PhD in Biochemistry from the University of Wisconsin-Madison, working in the laboratory of Chris Raetz. His thesis work focused on the internalization and clearance of lipopolysaccharide, the component of Gram-negative bacteria responsible for endotoxic shock. After a postdoctoral fellowship in Jasper Rine's laboratory at the University of California – Berkeley, where he began studies on the degradation of HMG-CoA reductase (HMGR), a key sterol pathway enzyme, he joined the faculty of the Department of Biology at the University of California – San Diego. Continuing his work on the degradation of HMGR, an integral membrane protein, Randy uncovered critical components of the machinery involved in degradation of many proteins of the endoplasmic reticulum. These pioneering investigations, of what is now known as the ER-associated protein degradation pathway (ERAD), led him into a broader area of study – how the ER manages the quality and quantity of molecules that are part of, or pass through, this essential organelle.

Regulated Protein Misfolding in the Control of Cell Function



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