Dr. Ling Qi
Professor, Molecular & Integrative Physiology
Professor, Internal Medicine, Division of Metabolism,
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University of Michigan
Host: Dr. Shaodong Guo

"ER-Associated Degradation (ERAD) in Health and Disease"

Dr. Qi's laboratory aims to explore the physiological role of endoplasmic reticulum (ER) homeostasis (with a special focus on ER protein degradation) and inflammation in the context of human diseases including obesity and diabetes. They use genetic, immunological, molecular and cellular approaches to dissect the molecular processes of protein folding quality control and to produce new insights into disease pathogenesis. They have made significant contribution in the fields of physiological ER homeostasis and inflammation in health and disease while maintaining a high standard of excellence at the levels of both individual scientist and whole laboratory. In the last 12 years, they have published over 50 papers, including several seminal discoveries published in top journals such as Nat Cell Biol, Nat Immunol, Cell Metab, J Clin Invest, Dev Cell, PNAS, EMBO J, Cell Reports, Diabetes and J Biol Chem. They have discovered the importance of ERAD in health and disease.

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