



Li Yu

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**Migrasomes: Fundamental Biology and
Therapeutic Potential**

<Biography>

Yu Li is a Professor at the School of Life Sciences, Tsinghua University, where he also serves as the Director of the State Key Laboratory of Membrane Biology. He earned his Bachelor's degree in Microbiology from Sichuan University in 1994 and his Ph.D. from Peking University in 2000. He then conducted postdoctoral research at the National Institutes of Health (NIH) in the United States before joining Tsinghua University as a Professor in 2008. Professor Yu Li is the pioneering discoverer of a novel organelle, which he named the "migrasome." With over a decade of dedicated research in migrasome biology, he has systematically identified key regulatory genes and elucidated the mechanisms governing migrasome formation. His work has demonstrated that migrasomes act as carriers for the long-range, precise delivery of signaling molecules, thereby mediating intercellular communication. Based on these findings, he has proposed a new theory of systemic targeted cell communication. His research has been published in leading journals, including Science, Cell, Nature, and Nature Cell Biology. He also serves on the editorial board of Trends in Cell Biology, Journal of Cell Biology, eLife, and Cell Research.