



# 中国科学院生物物理研究所

## 贝时璋讲座

### Protein quality control: An old dog with a new trick

报告人：Yihong Ye, US National Institutes of Health

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主持人：胡俊杰 研究员

### Yihong Ye 教授简介

Dr. Ye is a Senior Investigator of National Institute of Diabetes & Digestive & Kidney Diseases, NIH, USA. His research focused on ERAD. His group identified a cytosolic ATPase called p97, which provides the driving force to move ERAD substrates into the cytosol during retro-translocation. They also discovered a membrane protein complex which interacts with p97 to mediate the transport of substrates into the cytosol. Currently his group investigates the molecular interplays between a chaperone holdase complex consisting of Bag6, Ubl4A, and Trc35 and a p97-associated deubiquitinating enzyme. Another project in this lab is to study how deubiquitinating enzymes are regulated and to identify endogenous ERAD substrates. His work has been published in prestigious journals including: *Nature*, *J. Cell Biol*, *Proc. Natl. Acad. Sci*, *Molecular Cell*, *EMBO J. et.al*.

