



中国科学院生物物理研究所

## 贝时璋讲座

Autophagy and SNAREs in two different terminations of the pathway, a Crouching Tiger Hidden Dragon story

报告人：Prof. Vojo Peter Deretic

报告时间：2017年3月21日（周二）10:00

报告地点：9501会议室

主持人：刘志华研究员



### 报告人简介

Vojo Deretic, Ph.D., Chair of the Department of Molecular Genetics & Microbiology at the University of New Mexico School of Medicine. His group is one of those that made the discovery that autophagic degradation is a major effector of innate and possibly adaptive immunity mechanisms for direct elimination of intracellular microbes (such as *Mycobacterium tuberculosis*).

### 代表成果

1. 2016 TRIMs and Galectins globally cooperate and TRIM16 and Galectin-3 co-direct autophagy in endomembrane damage homeostasis. *Developmental Cell*.
2. 2016 TRIM-Directed Selective Autophagy Regulates Immune Activation. *Autophagy*.
3. 2016 Mechanism of action of the tuberculosis and Crohn disease risk factor IRGM in autophagy. *Autophagy*.
4. 2016 Targeted pulmonary delivery of inducers of host macrophage autophagy as a potential host-directed chemotherapy of tuberculosis. *Adv Drug Deliv Rev*.
5. 2015 TRIM-mediated precision autophagy targets cytoplasmic regulators of innate immunity. *J Cell Biol*.
6. 2015 Pharmaceutical screen identifies novel target processes for activation of autophagy with a broad translational potential. *Nature communication*.