



中国科学院生物物理研究所

## 贝时璋讲座

### Epigenetic studies in *Neurospora crassa*

报告人：Eric Ursell Selker

报告时间：2016年8月15日 上午10:00

报告地点：生物物理研究所9501会议室

主持人：朱冰研究员



#### 报告人简介

Dr. Eric Ursell Selker got his PhD degree from Stanford University in 1981. He is now a Professor of Biology and member of Institute of Molecular Biology, University of Oregon. In 2012, Dr. Selker was elected as a member of National Academy of Sciences, USA. His lab is interested in how the eukaryotic genome is structured, how it functions, and how it changes. Their current research concentrates on gene silencing in eukaryotes. They are particularly interested in mechanisms involving special states of chromatin (e.g. heterochromatin) and DNA methylation.

#### 代表成果

1. Selker, E. U., Tountas, N. A., Cross, S. H., Margolin, B. S., Murphy, J. G., Bird, A., & Freitag, M. (2003). The methylated component of the *Neurospora crassa* genome. *Nature*, 422(6934).
2. Honda, S., Lewis, Z. A., Huarte, M., Cho, L. Y., David, L. L., Shi, Y., & Selker, E. U. (2010). The DMM complex prevents spreading of DNA methylation from transposons to nearby genes in *Neurospora crassa*. *Genes & Development*, 24(5).