

# BIOLS SEMINAR SERIES

## 北京生命科学研究院精品讲座

报告时间：2013年8月23日（星期五）上午10:00

报告地点：中国科学院动物研究所C101会议室

报告题目：Academic Advancement of Biomedical Trainees and Faculty in the US.

报告人：Martin E. Feder. Professor, Department of Organismal Biology and Anatomy, The University of Chicago.

### 欢迎广大科研人员和研究生光临！



Dr. Feder is now the Elise and Jack Lipsey Professor in The University of Chicago, the Faculty Dean in the Division of Biological Sciences and the Pritzker School of Medicine, and the fellow for the American Association for the Advancement of Science. Prof. Feder received his B.A. from Cornell University in 1973, and his Ph.D. from University of California, Berkeley in 1977. He has published about 150 papers on peer-reviewed journals. His research focuses at the intersection of the four disciplinary domains, i.e., evolutionary and ecological functional genomics. His emphasis is on ecological and evolutionary physiology of the stress response. Particularly he studied the heat-shock proteins, and their regulation in *Drosophila* as a model system for understanding evolutionary adaptation.

During this seminar, Prof. Feder will discuss topics such as: The training of academic faculty: How it works, and its pitfalls; The interaction of academic tenure and academic quality control; The impact of funding and impact factor.

#### Key Publications:

- 2012. Ecological and evolutionary functional genomics-how can it contribute to the risk assessment of chemicals? *Environmental Science and Technology* 46: 3-9.
- 2010. Physiology and global climate change. *Annual Review of Physiology* 72: 123-12
- 2010. Locomotion in response to shifting climatic zones: not so fast. *Annual Review of Physiology* 72: 167-190.
- 2006. Heat-shock promoters: targets for evolution by P transposable elements in *Drosophila*. *PLoS Genetics* 2: e165.
- 2005. Ecological, evolutionary, and comparative physiology. *Annual Review of Physiology* 67: 175-176.
- 2005. Naturally occurring transposable elements disrupt hsp70 promoter function in *Drosophila melanogaster*. *Molecular Biology & Evolution* 22:776-783.
- 2003. Evolutionary and ecological functional genomics..*Nature Reviews Genetics* 4: 649-655.
- 2001. Genetic evidence for adaptation-driven incipient speciation of *Drosophila melanogaster* along a microclimatic contrast in 'Evolution Canyon', Israel. *Proceedings of the National Academy of Science USA* 98: 13195-13200.
- 1999. Heat-shock proteins, molecular chaperones, and the stress response: evolutionary and ecological physiology. *Annual Review of Physiology* 61: 243-282.
- 1992. A perspective on environmental physiology of the amphibians. In: *Environmental Physiology of the Amphibians*, Chicago: Univ. Chicago Press, pp. 1-6.