SESSION LECTURE

No. 48

Genetic Diversity

Room: 306B

Co-Chairs: Yaping Zhang 

Nils Christian Stenseth 

Day 3 October 29th (Monday) 8:30 – 12:00		
Time	**Speaker**	**Title**
8:30-9:00	**Nils Christian Stenseth** *University of Oslo, Norway*	Evolution and ecology of plague: a disease of today which changed our history
9:00-9:30	**Chuan Qin** *Institute of Laboratory Animal Sciences, Chinese Academy of Medical Sciences, China*	Establishment and application of transgenic animal models for neurodegenerative diseases
9:30-10:00	**Olivier Hanotte** *The University of Nottingham, UK*	The importance of genomics in understanding the adaptation of livestock to the challenges of climatic changes
10:00-10:30	**Tea Break**	
10:30-11:00	**Edwards Scott** *Harvard University, USA*	The genomics of flightlessness in birds
11:00-11:30	**Guodong Wang** *Kunming institute of zoology, Chinese Academy of Sciences, China*	History, selection, and genomic basis of complex traits of dogs

Yaping Zhang

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Academician & Vice-President of Chinese Academy of Sciences. The director of the Academic Committee of the State Key Laboratory of Genetic Resources and Evolution of Kunming Institute of Zoology, and the head of the molecular evolution and genome diversity group; he is also the chairman of the Chinese Genetic Society and the vice chairman of the Chinese Zoological Society. He is an associate editor of Genome Biol Evol, and the editorial board of Anim Genet Sci Rep , and J Hered.

Chuan Qin

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Director of Institute of Laboratory Animal Science, President of Chinese Association for Laboratory Animal Sciences (CALAS), Vice- President of AFLAS, Board member of the ICLAS, Editor-in-Chief of Acta LaboratoriumAnimalis Scientia Sinica, Chinese Journal of Comparative Medicine and Animal Models and Experimental Medicine. Professor Qin Mainly engaged in experimental pathology research and developed the discipline of comparative medicine during long-term human disease animal model development and application research process. Professor Qin have created the largest human disease animal model resources and platform of comparative medical technology and national epidemic animal model technology.

Guodong Wang

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Guo-Dong Wang is a professor in the State Key Laboratory of Genetic Resources and Evolution at Kunming Institute of Zoology, Chinese Academy of Sciences (CAS). Guo-Dong received his PhD from Kunming Institute of Zoology, CAS, where he worked with Ya-Ping Zhang. He was a visit scholar at University of Oxford and Beijing Institute of Genomics CAS, where he worked with Greger Larson and Chung-I Wu, respectively. He is broadly interested in the origin of domestic dogs, artificial selection and natural selection, and the genomic basis of complex traits.

Nils Christian Stenseth

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Stenseth is a population biology having worked on a broad spectrum of biological systems, including vector-borne infectious diseases with an environmental reservoir – both empirically and theoretically. Until recently Stenseth was the chair of the Centre for Ecological and Evolutionary Synthesis (CEES) where he is still working, but now also as a key advisor to the Faculty of Natural Sciences of the University of Oslo. He is a member of many learned societies and academies, including the National Academy of Sciences in Washington (and has been the president of the Norwegian Academy of Science and Letters in Norway).

Scott V. Edwards

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Scott Edwards is Alexander Agassiz Professor of Zoology and Curator of Ornithology in the Museum of Comparative Zoology at Harvard University. Scott currently serves on the Council of the American Ornithological Society and has served as President of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Genetic Association, as well as on the Advisory Boards of the National Museum of Natural History (Smithsonian) and the Cornell Lab of Ornithology.

Olivier Hanotte

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Professor of Population and Conservation Genetics at School of Life Sciences at the University of Nottingham United Kingdom and Principal Scientist at International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia. The central theme of his research is the understanding at the genome level of the genetic adaptations of “tropical’’ livestock to their production environments. He aims to unravel the genetic controls of functional diversity for breeding improvement. His research models includes both livestock commercial population, selected intensively by human for productivity, as well as indigenous livestock population in the tropics, under natural selection (environmental challenges).