SESSION LECTURE

No. 1

Biological Consequences of Global Change

Room: 405

Co-Chairs: Zhibin Zhang

Nils Chr. Stenseth

Day 1 October 27th (Saturday) 13:30 – 17:00		
Time	**Speaker**	**Title**
13:30-14:00	**Nils Chr. Stenseth** *University of Oslo, Norway*	Evolution and ecology of plague: A disease of today which changed our history
14:00-14:30	**Rodolfo Dirzo** *Stanford University, USA*	Human impact on wildlife: A critical global change of the Anthropocene
14:30-15:00	**Alan Hastings** *University of California, Davis, USA*	Dynamics of species in response to movement of suitable habitat
15:00-15:30	**Tea Break**	
15:30-16:00	**Weiguo Du** *Institute of Zoology, Chinese Academy of Sciences, China*	Ecological responses of desert lizards to environmental change
16:00-16:30	**Qiyong Liu** *ICDC, Chinese Center for Disease Control and Prevention, China*	Global vector control response to vector borne diseases in the new era
16:30-17:00	**Zhibin Zhang** *Institute of Zoology, Chinese Academy of Sciences, China*	Impacts of global climate change on animals and diseases

Zhibin Zhang

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Dr. Zhibin Zhang is a professor of Institute of Zoology, Chinese Academy of Sciences, and a foreign member of Academy of Europe (Academia Europaea). His area of research expertise is studying the roles of global climatic factors and species interactions in population and community dynamics of animals as well as plants or microbes. He serves as President of International Society of Zoological Sciences.

Rodolfo Dirzo

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Professor at Stanford University. His research centers on the study of the ecological and evolutionary relationships between plants and animals and on the impact of human activities on natural ecosystems, including: evolution of plant defenses, tropical plant ecology, and animal extinction ("defaunation"), and how this affects ecosystem processes and services. Member of the Mexican Academy of Sciences, the US National Academy of Sciences, the American Academy of Arts and Sciences, and the California Academy of Sciences.

Weiguo Du

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Prof. Weiguo Du is a professor at the Institute of Zoology, Chinese Academy of Sciences, China. His research interests include thermal adaptation and phenotypic plasticity in reptiles. By integrating technologies from ecology, physiology and molecular biology, he aims to identify the behavioral and physiological strategies of reptiles in response to temperature variation, and thereby provide implications for how reptiles respond to climate change.

Nils Chr. Stenseth

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Faculty Professor at the Faculty of Mathematics and Natural Science & Research Professor at the Centre for Ecological and Evolutionary Synthesis (CEES) & past Chair of CEES – at the University of Oslo. Stenseth is an evolutionary biologist focusing on population biology (ecology and evolution); having work on topics such as large-scale ecological and evolutionary patterns; effects (ecology and evolution) of climate variation; terrestrial, marine and freshwater systems, including vector-borne infectious diseases (primarily plague) with environmental reservoirs. Stenseth is a member of the Norwegian Academy of Science and Letters, the French Academy of Sciences, the National Academy of Sciences (US) and the Russian Academy of Science.

Alan Hastings

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Professor at University of California, Davis. He works on a range of problems in theoretical ecology and mathematical biology. His work focuses on structured populations, management of ecological systems, and complex dynamics. He has served as the president of the Society for Mathematical Biology. Member of the US National Academy of Sciences.

Qiyong Liu

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Prof. & Director, WHO CC for Vector Surveillance and Management, National Institute for Communicable Diseases Control and Prevention, China CDC. He has been engaged in the researches on vector and vector borne diseases since 1985. He is striving for the Chinese strategy change from Integrated Vector Management (IVM) to Sustainable Vector Management (SVM) in China and is promoting it in line with the Global Vector Control Response 2017-2030.