



**IBS 2016**  
May 4-8  
Beijing · China

## THE BIOGEOGRAPHY OF ECOLOGY

**IBS Special Meeting - Beijing 2016**

May 4-8 2016 - Beijing 2016

# CONGRESS PROGRAM

Co-Organizers:



Organizer:



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## Welcome to IBS 2016

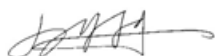
It is our great honour and pleasure to invite you to the International Biogeography Society (IBS) Special Meeting 2016 (<http://www.IBS2016-China.org>). The IBS, founded in 2001, is the world's leading scientific society of biogeography and provides the primary forum for biogeographers worldwide by hosting biannual conferences or spatial meetings. IBS2016-China will be the first IBS meeting held in Asia.

Biogeography is a dynamic and burgeoning field that seeks to understand the mechanisms of spatial and temporal biodiversity patterns, to develop predictive capacities for gauging how biodiversity will respond to our rapidly changing world, and to enhance biodiversity conservation. To enhance communication between different fields, the theme of the IBS2016-China is "the Biogeography of Ecology" and will include seven symposia: 1) Biodiversity patterns and maintenance; 2) Phylogeography; 3) Species distribution under global change; 4) Community phylogenetics; 5) Biological invasion; 6) Conservation biogeography; 7) Functional biogeography.

As the capital of China, Beijing has a history dated back to three millennia. The city is known for its imperial palaces, gardens, temples and tombs. Beijing has over 50 universities and many museums, which make it a center of education and culture in China. IBS2016-China will provide an opportunity not only to improve academic exchanges between Asian biogeographers and those from the rest of the world, but also to facilitate communications between eastern and western cultures.

IBS2016-China will be hosted by Peking University (<http://www.pku.edu.cn>), and Institute of Botany (<http://www.ibcas.ac.cn/>) and Institute of Zoology (<http://www.ioz.ac.cn/>) of Chinese Academy of Sciences. Peking University, founded in 1898, is a major Chinese research university. The campus, known as "Yan Yuan", stands near to the Yuanmingyuan Garden and the Summer Palace. Institute of Botany and Institute of Zoology, both with a long history over 80 years, are two leading institutes of organism biology and biogeography in China.

We believe that IBS2016-China will provide a platform to communicate new findings and technologies and the future development of biogeography.



**Jingyun Fang**  
Professor of Ecology  
Department of Ecology, Peking Univ.,  
director Institute of Botany,  
Chinese Academy of Sciences



**Fumin Lei**  
Professor of Evolutionary Biology  
Institute of Zoology,  
Chinese Academy of Sciences



**Zhiheng Wang**  
Assistant Professor of Ecology  
Department of Ecology,  
Peking University

**On behalf of the Organizing Committee**

### Steering Committee

#### Honorable Chairman

**Prof. Yiyu Chen**, National Nature Science Foundation of China

#### Chairman

**Prof. Yaping Zhang**, Professor, Vice president of Chinese Academy of Sciences

**Prof. Carsten Rahbek**, Professor, Center for Macroecology, Evolution and Climate, University of Copenhagen, Denmark

#### Members

**Prof. Bojie Fu**, Peking University and Research Center for Eco-Environmental Sciences, CAS

**Prof. Jianping Ge**, Beijing Normal University

**Prof. Le Kang**, Institute of Zoology, CAS

**Prof. Qing Liu**, Chengdu Institute of Botany, CAS

**Prof. Shirong Liu**, Chinese Academy of Forestry and International Center for Bamboo and Rattan

**Prof. Keping Ma**, Institute of Botany, CAS

**Prof. Gexia Qiao**, Institute of Zoology, CAS

**Prof. Weibo Song**, Institute of Oceanology, CAS

**Prof. Hang Sun**, Kunming Institute of Botany, CAS

**Prof. Guirui Yu**, Institute of Geographic Sciences and Natural Resources Research, CAS

### Organizing Committee

#### Chairman

**Prof. Jingyun Fang**, Department of Ecology, Peking University, and Institute of Botany, CAS

#### Vice Chairmen

**Prof. Fumin Lei**, Institute of Zoology, CAS

**Prof. Zhiheng Wang**, Peking University

#### Members

**Yifeng Chen**, Institute of Hydrobiology, Chinese Academy of Sciences

**Ping Ding**, Zhejiang University

**Shunping He**, Institute of Hydrobiology, Chinese Academy of Sciences

**Jihong Huang**, Chinese Academy of Forestry

**Xiaolei Huang**, Fujian Agriculture and Forestry University

**Alice Hughes**, XiShuangBanNa Tropical Botanical Garden, Chinese Academy of Sciences

**Jianping Jiang**, Chengdu Institute of Botany, Chinese Academy of Science

**Bo Li**, Fudan University

**Yiming Li**, Institute of Zoology, Chinese Academy of Sciences

**Hongyan Liu**, Peking University

**Xiaojuan Liu**, Institute of Botany, Chinese Academy of Sciences

**Keping Ma**, Institute of Botany, Chinese Academy of Sciences

**Yingxiong Qiu**, Zhejiang University

**Haihua Shen**, Institute of Botany, Chinese Academy of Sciences

**Zehao Shen**, Peking University

**Jianghua Sun**, Institute of Zoology, Chinese Academy of Sciences

**Zhiyao Tang**, Peking University

**Jian Zhang**, East China Normal University

**Yunpeng Zhao**, Zhejiang University

## Technical program committee

### Secretary General

**Fumin Lei**, Institute of Zoology, Chinese Academy of Sciences

**Zhiheng Wang**, Peking University

### Members

**Jing Chen**, Institute of Zoology, Chinese Academy of Sciences

**Xiaoqing Geng**, Institute of Botany, Chinese Academy of Sciences

**Xuan Liu**, Institute of Zoology, Chinese Academy of Sciences

**Gang Song**, Institute of Zoology, Chinese Academy of Sciences

**Qinggang Wang**, Peking University

**Siyang Wang**, Peking University

**Xiaoting Xu**, Peking University

## Local Organization



**Peking University**



**Institute of Zoology, Chinese Academy of Sciences**



**Institute of Botany, Chinese Academy of Sciences**



**Beijing Institutes of Life Science, Chinese Academy of Sciences**

## 1. Congress Venue

### China National Convention Center (CNCC)

**Address:** No.7 Tianchen East Road, Chaoyang District, Beijing 100105 China

**Tel:** +86 10 8437 3300

**Website:** [www.cnccchina.com/en/Contact/Default.aspx](http://www.cnccchina.com/en/Contact/Default.aspx)

## 2. Registration

**Venue:** Foyer of Auditorium (3F)

**Time:** 12:30 ~18:00, May 4, 2016

8:00~16:00, May 5-6, 2016

*Upon registration, you will receive your congress materials and a name badge, which should be worn at ALL times during the congress functions.*

### All registered congress participants are entitled to:

- Attendance to all congress sessions
- Congress materials
- Coffee break [South Foyer of 3 Floor]
- Welcome Reception [Function Room A (1F), 18:00, May 5, 2016]
- Opening Ceremony [Auditorium (3F), May 5, 2016]
- Closing Ceremony [Auditorium (3F), May 6, 2016]
- Poster Session [08:30-18:30, May 5-6, 2016]

## 3. Secretariat Room

The IBS 2016 Secretariat Room will be operated at VIP Room 3-1 on the 3th floor of the venue during the congress.

## 4. Preview Area

The organizing committee will operate a Preview Area at the Secretariat during the congress. All speakers need to stop by this area to preview their presentation materials and hand in the file to the staff.

## 5. Poster Session

In conjunction with the congress, the poster session will be held in the South Foyer on the 3th floor of the venue. The poster session is open to all congress participants. Poster session opening hours are from 08:30 to 18:30, May 5-6, 2016.

## 8. Coffee Break

Coffee will be served during breaks in the South Foyer (3F) .

## 10. Liability

The congress organizer is not liable for personal accidents or loss/damage of private properties of registered participants during the congress. Participants are encouraged to make their own arrangement for personal insurance.

## 11. Disclaimer

Whilst every attempt will be made to ensure that all aspects of the congress mentioned will be as scheduled, the congress organizer reserves the right to make changes should the need arises. The congress organizer is not responsible for any personal expenses incurred or any loss suffered by any delegate or his guest in connection with the congress.

## 12. Emergency

**Police** 110

**Doctor / Ambulance**

Beijing International SOS Clinic

Daily 24 hours, Pharmacy Mon-Fri 8am-8pm, Sat-Sun 8am-6pm. Suite 105, Wing 1, Kunsha Bldg, 16 Xin-yuan-li, Chaoyang District. (6462 9112, 24 hr 6462 9100)

[www.internationalsos.com](http://www.internationalsos.com)

国际 SOS, 朝阳区新源里 16 号琨莎中心 1 座 105 室



Date	Time	May 4 Wednesday	May 5 Thursday	May 6 Friday
08:00			Registration	
08:30			Opening Ceremony	Parallel Sessions
09:00			Plenary Talks	
09:30			Coffee / Tea Break	Parallel Sessions
10:00				
10:30			Plenary Talks	
11:00			Lunch Break	Lunch Break
11:30				
12:00		Registration	Poster Sessions	Poster Sessions
12:30				
13:00		Workshop	Parallel Sessions	Plenary Talks
14:30			Coffee / Tea Break	Coffee / Tea Break
15:00			Parallel Sessions	Closing Session
15:30				
16:00			Poster Sessions	
16:30			Welcome Reception	
17:00				
17:30				
18:00				
18:30				
20:30				





### Yaping Zhang

*Professor and elected member of Chinese Academy of Sciences (CAS), Kunming Institute of Zoology of CAS, China*

Dr. Yaping Zhang is the Vice-President of the Chinese Academy of Sciences (CAS) and Professor of Kunming Institute of Zoology of (CAS). Dr. Zhang has been focusing his research on molecular evolution and genome biodiversity. His investigations involve five correlated areas: molecular phylogenetics; molecular ecology and conservation genetics; human genetics and evolution; origin of domestic animals and artificial selection; genome diversity and evolution. Dr. ZHANG has published more than 300 publications in SCI journals and is the author and co-author of five books. In 2004 he won the Ho Leung Ho Lee Prize for Science and Technology by Ho Leung Ho Lee Foundation. He was elected member of Chinese Academy of Sciences in 2003 and fellow of Third World Academy of Sciences (TWAS) in 2007. From 2005 to 2012, he was Director of KIZ and director of State Key Laboratory of Genetic Resources and Evolution, KIZ. He was nominated Vice-President of Chinese Academy of Sciences in 2012.



### Stephen P. Hubbell

*Distinguished Professor, Univ. of California, Los Angeles and Smithsonian Tropical Research Institute*

Dr. Hubbell currently is a Distinguished Professor of Ecology and Evolutionary Biology at the University of California, Los Angeles (UCLA). He is also a senior staff scientist at the Smithsonian Tropical Research Institute in Balboa, Panama. Dr. Hubbell's principal research concerns the ecology and management of tropical rain forests. His work focuses on long-term dynamics of tropical rain forests in the new and old world tropics, as well as the implications of global change for the conservation and management of forests. He has published more than 200 scientific papers on tropical plant ecology, theoretical ecology, plant-animal interactions and animal behavior and is author of four books — including "Neutral Theory of biodiversity and Biogeography", which seeks to explain the diversity and relative abundance of species in ecological communities.



### Carsten Rahbek

*Professor and elected member of Royal Danish Academy of Sciences and Letters, University of Copenhagen, Denmark*

Dr. Rahbek is a professor and the director of Center for Macroecology, Evolution and Climate (CMEC) in University of Copenhagen, which is a Center of Excellence. He is also the elected member of the Royal Danish Academy of Sciences and Letters. His main research interests are patterns of species distribution, species range sizes, species assemblages, species richness and what determines such patterns (contemporary and historical factors or perhaps also just a bit of chance). His recent focus has been on the role of scale and conceptual formulation and practical design of null- and predictive models that allow direct testing of hypotheses related to patterns of diversity. The natural "other side" of his research relates how evolutionary and ecological principles can be used to identify robust priorities for conservation of biodiversity.



### Jingyun Fang

*Professor and elected member of Chinese Academy of Sciences (CAS), Peking University and Institute of Botany of CAS, China*

His research is focused on vegetation ecology, terrestrial carbon cycle, biodiversity and biogeography of plants, and ecological remote sensing. Dr. Fang got his Ph.D. from Osaka City University, Japan in 1989, and then joined the CAS as an Assistant Professor. In 1997, he was appointed full Professor in Peking University. In 2010, he was nominated Director of the Institute of Botany of CAS. He has published about 300 scientific papers and Because of his excellent studies on terrestrial carbon cycle and plant biogeography, he has won the National Natural Science Award of China (the second class, 2004), Ho Leung Ho Lee Prize for Science and Technology by Ho Leung Ho Lee Foundation (2007), and Natural Science Award of the China Ministry of Education (the first class, 2003, 2014). He was elected CAS member in 2005, the member of Academy of Sciences for the Developing World in 2008 and the member of International Eurasian Academy of Sciences in 2012.



### David Currie

*Professor, Biology Department, University of Ottawa, Canada*

Dr. David Currie is a macroecologist / biogeographer / dilettante philosopher, visiting UQ on sabbatical until early July 2016. He did his PhD in freshwater ecology at McGill University in Montréal, Canada, where he was influenced by the Popperian, predictive approach advocated by Rob Peters. He then spends a post-doc in biostatistics with Pierre Legendre at the Université de Montréal. He moved to the University of Ottawa in 1985, where he teaches (a fun) introductory ecology course and (an unsatisfying) third-year ecosystem ecology (both en français). He also teaches a field course in tropical ecosystems in Costa Rica, and the forest ecology module of an environmental science field course in the Canadian boreal forest. He has just stepped down from an excessively consuming 12-year stint as Editor-in-Chief of *Global Ecology and Biogeography*, whose ISI impact factor rose from 1.5 to over 7 during that time.

"My early limnological interests mostly dried up under the pressure of uninteresting methodological disputes." Since then, his main research interest has been broad-scale (continental to global), coarse-grained variation in species richness: why are there dramatically more species in some places than others? A main goal of his sabbatical is to develop a continental theory of biogeography, analogous to that of MacArthur and Wilson: a minimalist model that predicts continental variation in species richness, range size, and composition turnover.



### Robert E. Ricklefs

*Curators' Professor of Biology and elected member of National Academy of Sciences, University of Missouri at St. Louis, USA*

## IBS 2016 Official Social Program

### 1. Welcome Reception

**Time & Date:** 18:30 - 21:00, May 5 (Thu), 2016

**Venue:** Function Room A (1F)

### 2. Workshop

*Spatial ecology and Biogeography*

**Time & Date:** 13:30-17:00, May 4 (Wed), 2016

**Venue:** Institute of Zoology/ Peking University

### 3. Opening Ceremony

**Time & Date:** 08:30-09:00, May 5 (Thu), 2016

**Venue:** Auditorium (3F)

### 4. Closing Ceremony

**Time & Date:** 17:00-17:30, May 6 (Fri), 2016

**Venue:** Auditorium (3F)

**DAY 1 THURSDAY, MAY 5, 2016****Auditorium (3F)****08:30 - 09:00****Opening ceremony****Salutory Speech****Yaping Zhang***Professor, elected member and Vice President of Chinese Academy of Sciences***Jie Wang***Professor, Vice president of Peking University***Bojie Fu***Professor, Dean of the College of Urban and Environmental Sciences, Peking University; Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, elected member of Chinese Academy of Sciences***Carsten Rahbek***Professor, President of the International Biogeography Society (IBS)***Jingyun Fang***Chair of the Organizing Committee; Director General of Institute of Botany, Chinese Academy of Sciences and Vice Dean of the Faculty of Sciences, Peking University; elected member of Chinese Academy of Sciences***Auditorium (3F)****09:00 - 12:10****Plenary Talks:**

09:00 - 09:40

**Yaping Zhang***Professor, elected member and Vice President of Chinese Academy of Sciences*

09:40 - 10:20

**Stephen P. Hubbell***Distinguished Professor of Ecology and Evolutionary Biology at the University of California, Los Angeles (UCLA)*

10:20 - 10:50

Coffee / Tea Break

10:50 - 11:30

**Carsten Rahbek***Professor and elected member of Royal Academy of Sciences and Letters of Denmark, University of Copenhagen*

11:30 - 12:10

**Jingyun Fang***Professor and elected member of Chinese Academy of Sciences; Director General of Institute of Botany, Chinese Academy of Sciences and Vice Dean of the Faculty of Sciences, Peking University***South Foyer of 3 Floor****12:10 - 14:00****Lunch Break & Poster Session**

12:10 - 13:10

Lunch Break ( Lunch Box)

13:10 - 14:00

Poster Session

**302 AB / 3F**  
**14:00 - 17:30**

**Parallel Session 1**  
**Biodiversity Patterns and Maintenance**

**Co-chair:**

Xiaolei Huang, Fujian Agriculture and Forestry University (huangxl@fafu.edu.cn)  
 Jian Zhang, East China Normal University (jzhang1982@gmail.com)  
 Alice Hughes, XiShuangBanNa Tropical Botanical Garden, Chinese Academy of Sciences  
 (ach\_conservation@hotmail.com)

**Keynote No. 113**

**The East Asian flora is an ancient flora, or not ?**

14:00 - 14:25 *Hang Sun<sup>1</sup>, Tao Deng<sup>1</sup>, Zhuo Zhou<sup>1</sup>, Yongsheng Chen<sup>1</sup>, Zhimin Li<sup>2</sup>*  
 1. Key Laboratory for Plant Diversity and Biogeography of East Asia, Kunming Institute of Botany, Chinese Academy of Sciences  
 2. Life Science School, Yunnan Normal University

**No. 118**

**Flora of Siberia: boreal signs and trends**

14:25 - 14:40 *Konstantin Baikov<sup>1</sup>, Denis Sandanov<sup>2\*</sup>*  
 1. Central Siberian Botanical Garden of SB RAS  
 2. Institute of General and Experimental Biology of SB RAS

**No. 25**

**An estimate of the number of tropical tree species**

14:40 - 14:55 *Anton Shiryayev*  
 Institute of Plant and Animal Ecology, Russian Academy of Science. 620144 Russia, Ekaterinburg, 8 March str., 202

**No.120**

**Latitudinal diversity gradient and taxonomic bias**

14:55 - 15:10 *Julien Troudet\*, Régine Vignes-Lebbe, Frédéric Legendre*  
 Muséum national d'Histoire naturelle, Institut de Systématique, Évolution, Biodiversité - UMR 7205 MNHN CNRS UPMC EPHE, Sorbonnes Université

**No. 108**

**Diversification and speciation**

15:10 - 15:25 *Alice Hughes*  
 XTBG-CAS

15:30 - 16:00

**Coffee / Tea Break**

**No. 23**

**Experimental evolution for understanding macroevolution questions**

16:00 - 16:15 *Quan-Guo Zhang*  
 Beijing Normal University

**No. 73**

**Rapid climate change drives pronounced changes in species' genetic diversity**

16:15 - 16:30 *Ditte M. Truelsen<sup>1</sup>, Alexander Flórez-Rodríguez<sup>1</sup>, Konstantinos Giamvoudakis<sup>1</sup>,  
 Raquel A. García<sup>2</sup>, Joy Singarayer<sup>3</sup>, Paul Valdes<sup>4</sup>, Katharine A. Marske<sup>1</sup>, David Nogués-Bravo<sup>1</sup>*  
 1. Center for Macroecology, Evolution and Climate, Natural History Museum of Denmark, University of Copenhagen  
 2. Centre for Invasion Biology, Department of Botany and Zoology, Stellenbosch University  
 3. Department of Meteorology, University of Reading  
 4. School of Geographical Sciences, University of Bristol

**No. 151**

**Adaptive or geographic radiation? An evaluation based on the most diverse clade of Neotropical mammals.**

16:30 - 16:45 *Jorge Avaria-Llautureo<sup>1,1\*</sup>, Enrique Rodríguez-Serrano<sup>2</sup>, Oscar Inostroza-Michael<sup>1</sup>, Cristián E. Hernández<sup>1</sup>*  
 1. Laboratorio de Ecología Evolutiva y Filoinformática, Departamento de Zoología, Facultad de Ciencias Naturales y Oceanográficas, Universidad de Concepción, Casilla 160-C, Concepción, Postal Code: 4070386, Chile  
 2. Laboratorio de Mastozoología, Departamento de Zoología, Facultad de Ciencias Naturales y Oceanográficas, Universidad de Concepción, Casilla 160-C, Concepción, Postal Code: 4070386, Chile

**No. 20****Phylofloristics: a case study from Yunnan, China**

16:45 - 17:00

*Rong Li, Hang Sun**Key Laboratory for Plant Diversity and Biogeography of East Asia, Kunming Institute of Botany, Chinese Academy of Sciences***No. 191****Geographic variation in wing size and shape in the grasshopper *Trilophidia annulata* (Orthoptera: Oedipodidae): more than Bergmann's rule**

17:00 - 17:15

*Shengquan X, Yi Bai**Shaanxi Normal University, College of Life Science***No. 232****Multiple lines of evidence suggest a mixture of postglacial long-distance migration and local spread from glacial refugia for the Chinese pine in north China**

17:15 - 17:30

*Qian Hao<sup>1</sup>, Guillaume de Lafontaine<sup>2,3</sup>, Dongshu Guo<sup>4</sup>, Hongya Gu<sup>4</sup>, Feng Sheng Hu<sup>2</sup>, Yue Han<sup>1</sup>, and Hongyan Liu<sup>1\*</sup>**1. College of Urban and Environmental Sciences and MOE Laboratory for Earth Surface Processes, Peking University, Beijing, 100871, China**2. Department of Plant Biology, University of Illinois, Urbana, IL 61801, USA**3. Canada Research Chair in Forest and Environmental Genomics, Centre for Forest Research, Institute for Systems and Integrative Biology, Université Laval, Québec City, QC, G1V 0A6, Canada**4. State Key Laboratory for Protein and Plant Gene Research, College of Life Sciences, Peking University, Beijing 100871***303 A / 3F  
14:00 - 17:30****Parallel Session 2  
Phylogeography****Co-chair:***Yingxiong Qiu, College of Life Sciences, Zhejiang University (qyxhero@zju.edu.cn)**Yunpeng Zhao, College of Life Sciences, Zhejiang University (ypzhao@zju.edu.cn)***Keynote****Phylogeographic analyses of the wild and domestic yaks based on genomic evidence**

14:00 - 14:25

*Jianquan Liu**College of Life Sciences, Sichuan University***Keynote****Phylogeographic studies of amphibians and reptiles on the Qinghai-Tibetan Plateau**

14:25 - 14:50

*Jing Che**Kunming Institute of Zoology, Chinese Academy of Sciences, China***Keynote****Phylogeographical history and homoploid hybrid speciation of *Taxus* species in the Himalaya-Hengduan Mountains region**

14:50 - 15:15

*Lianming Gao**Kunming Institute of Botany, Chinese Academy of Sciences***No. 97****Tropical conservatism hypothesis rejected for plant families along a tropical – subarctic gradient**

15:15 - 15:30

*Ole R. Vetaas<sup>1\*</sup>, Jianmeng Feng<sup>2</sup>**1. University of Bergen**2. Dali University*

15:30 - 16:00

**Coffee / Tea Break**

**No. 33****Phylogeographic pattern in the China seas***Lijun He, Jing Zhang**State Key Laboratory of Estuarine and Coastal Research, East China Normal University, Shanghai, 200062, China*

16:00 - 16:15

**No. 183****Diversity and biogeography of magnetotactic bacteria shed light on the global iron cycle***Wei Lin<sup>1,2</sup>, Yongxin Pan<sup>1,2</sup>**1. Biogeomagnetism Group, Paleomagnetism and Geochronology Laboratory, Key Laboratory of Earth and Planetary Physics, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing 100029, China**2. France-China Bio-Mineralization and Nano-Structures Laboratory, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing 100029, China*

16:15 - 16:30

**No. 70****A cryptic mitochondrial DNA link between North European and West African dogs***Adeniyi Adeola**Kunming Institute of Zoology, Chinese Academy of Sciences*

16:30 - 16:45

**No. 139****Integrative phylogeography indicates cryptic diversification and in situ persistence of low latitude montane biodiversity: a case from the Asiatic shrew moles (*Uropsilus*, Talpidae)***Tao Wan<sup>1</sup>, Kai He<sup>1</sup>, Shaoying Liu<sup>2</sup>, Wei Jin<sup>2</sup>, Zhongzheng Chen<sup>1</sup>, Bin Zhang<sup>1</sup>, Xuelong Jiang<sup>1</sup>**1. Kunming Institute of Zoology, Chinese Academy of Sciences**2. Sichuan Academy of Forestry*

16:45 - 17:00

**No. 167****Evolution of East Asia's Arcto-Tertiary relict *Euptelea* (Eupteleaceae) shaped by Late Neogene vicariance and Quaternary climate change***Ya-Nan Cao, Lu-Yao Chen, Lu-Xian Liu, Ying-Xiong Qiu\***Zhejiang University*

17:00 - 17:15

**No. 198****Biogeography of a near-cosmopolitan Monocot family: Smilacaceae (Lilales) - understanding patterns of disjunction distributions and processes of diversification***Zhe-Chen Qi<sup>1,2</sup>, Pan Li<sup>1</sup>, Yun-Peng Zhao<sup>1</sup>, Ying-Xiong Qiu<sup>1</sup>, Cameron Kenneth<sup>3</sup>, Cheng-Xin Fu<sup>1</sup>**1. The Key Laboratory of Conservation Biology for Endangered Wildlife of the Ministry of Education, and Laboratory of Systematic & Evolutionary Botany and Biodiversity, College of Life Sciences, Zhejiang University, Hangzhou 310058, China**2. Zhejiang Province Key Laboratory of Plant Secondary Metabolism and Regulation, College of Life Sciences, Zhejiang Sci-Tech University, Hangzhou 310018, China.**3. Wisconsin State Herbarium, Department of Botany, University of Wisconsin, Madison, WI, 53706, USA*

17:15 - 17:30

**303 B / 3F  
14:00 - 17:15****Parallel Session 3****Species distribution under global Change****Co-chair:***Yiming Li, Institute of Zoology, Chinese Academy of Sciences (liym@ioz.ac.cn)**Zehao Shen, College of Urban and Environmental Sciences, Peking University (shzh@urban.pku.edu.cn)***No. 172****Born Migrants: historical biogeography of cosmopolitan family Cannabaceae***Ting-Shuang Yi, Jian-Jun Jin**Kunming Institute of Botany, Chinese Academy of Science*

14:00 - 14:15

**No. 206****Geographical distribution of monocotyledonous plant diversity in China: the scales of endemism and the roles of contemporary environment versus climate change***Zehao Shen**Peking University*

14:15 - 14:30

**No. 155****Phylogenetic endemism in angiosperm trees is jointly shaped by modern climate and glacial-interglacial climate change across the Northern Hemisphere**

14:30 - 14:45

Ziyu Ma<sup>1</sup>, Brody Sandel<sup>1</sup>, Gang Feng<sup>2</sup>, Lingfeng Mao<sup>3</sup>, Signe Normand<sup>1</sup>, Alejandro Ordonez<sup>1</sup>, Jens-Christian Svenning<sup>1</sup>

1. Aarhus University, Ny Munkegade 114, DK-8000 Aarhus C, Denmark

2. Inner Mongolia University, 010021, Hohhot, China

3. Michigan State University, East Lansing, Michigan, 48824, USA

**No. 219****Incorporating climate adaptation into biogeographical models of species responses to climate change**

14:45 - 15:00

Matthew Fitzpatrick<sup>1\*</sup>, Stephen Keller<sup>2</sup>, Vikram Chhatre<sup>2</sup>

1. University of Maryland Center for Environmental Science

2. University of Vermont

**No. 156****Evaluating climatic threats to habitat types based on co-occurrence patterns of characteristic species**

15:00 - 15:15

Undrakh-Od Baatar<sup>1\*</sup>, Thomas Dirnboeck<sup>2</sup>, Franz Essl<sup>2</sup>, Dietmar Moser<sup>2</sup>, Wolfgang Willner<sup>3</sup>, Stefan Dullinger<sup>1</sup>

1. Division of Conservation Biology, Vegetation- and Landscape Ecology, University of Vienna, Rennweg 14, 1030 Vienna, AUSTRIA

2. Environmental Agency Austria, Spittelauer Laende 5, 1090 Vienna, AUSTRIA

3. Vienna Institute For Nature Conservation &amp; Analyses, Gießergasse 6/7, 1090 Vienna, AUSTRIA

**No. 77****Geographic patterns of species, phylogenetic and trait diversity of European mammals: the effect of climate and human impacts**

15:15 - 15:30

Ana M. C. Santos<sup>1,2\*</sup>, Marcus V. Cianciaruso<sup>2</sup>, A. Márcia Barbosa<sup>3</sup>, L. Mauricio Bini<sup>2</sup>, J. Alexandre F. Diniz-Filho<sup>2</sup>, Frederico V. Faleiro<sup>2</sup>, Sidney F. Gouveia<sup>4</sup>, Jorge M. Lobo<sup>1</sup>, Rafael D. Loyola<sup>2</sup>, Nagore G. Medina<sup>1,5</sup>, Thiago F. Rangel<sup>2</sup>, Geiziane Tessarolo<sup>2</sup>, Joaquin Hortal<sup>1</sup>

1. Dept. Biogeography and Global Change, Museo Nacional de Ciencias Naturales (CSIC), Spain Museo Nacional de Ciencias Naturales (CSIC)

2. Dept. Ecologia, Instituto de Ciências Biológicas, Universidade Federal de Goiás, Brazil

3. CIBIO/InBIO - Universidade de Évora, Portugal

4. Dept. Ecologia, Universidade Federal de Sergipe, Brazil

5. Dept. Biología. Universidad Autónoma de Madrid, Spain

**Coffee / Tea Break**

15:30 - 16:00

**No. 61****NicheA: creating virtual species and ecological niches in multivariate environmental scenarios**

16:00 - 16:15

Huijie Qiao<sup>1</sup>, A. Townsend Peterson<sup>2</sup>, Lindsay P. Campbell<sup>2</sup>, Jorge Soberón<sup>2</sup>, Luis E. Escobar<sup>3</sup>

1. Key Laboratory of Animal Ecology and Conservation Biology, Institute of Zoology, Chinese Academy of Sciences

2. Biodiversity Institute, University of Kansas

3. Department of Veterinary Population Medicine, University of Minnesota

**No. 194****Impacts of climate change on distributions and diversity of ungulates on the Tibetan Plateau**

16:15 - 16:30

Zhenhua Luo<sup>1,2</sup>, Zhigang Jiang<sup>1</sup>, Songhua Tang<sup>1</sup>

1. Key Laboratory of Animal Ecology and Conservation Biology, Institute of Zoology, Chinese Academy of Sciences

2. School of Life Sciences, Central China Normal University

**No. 143****Mobile hotspots and refugium of bird species richness in the mountains of southwest China under past and contemporary global climate change**

16:30 - 16:45

Yongjie Wu<sup>1,2</sup>, Shane G. DuBay<sup>3,4</sup>, Robert K. Colwell<sup>5,6</sup>, Jianghong Ran<sup>1</sup>, Fumin Lei<sup>2</sup>

1. Key Laboratory of Bio-resources and Eco-environment (Ministry of Education), College of Life Sciences, Sichuan University, Chengdu, 610065, China

2. Key Laboratory of Zoological Systematics and Evolution, Institute of Zoology, Chinese Academy of Sciences, Beijing 100101, China

3. Committee on Evolutionary Biology, University of Chicago, Chicago, IL 60637, USA

4. Life Sciences Section, Integrative Research Center, Field Museum of Natural History, Chicago, IL 60605, USA

5. Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs, CT 06269, USA

6. University of Colorado Museum of Natural History, Boulder, CO 80309, USA

- 16:45 - 17:00  
**No. 48**  
**Species distributions and community assembly of breeding birds on subtropical inundated land-bridge islands**  
*Xingfeng Si, Ping Ding*  
*College of Life Sciences, Zhejiang University, Hangzhou, Zhejiang 310058, China*
- 17:00 - 17:15  
**No. 86**  
**Can incomplete knowledge of the ecological niche facilitate ecological niche modeling? A case study with virtual species**  
*Xiao Feng, Monica Papeş\**  
*Department of Integrative Biology, Oklahoma State University*
- 17:15 - 17:30  
**No. 94**  
**Scale dependency of two endangered charismatic species as biodiversity surrogates**  
*Motoki Higa<sup>1\*</sup>, Yuichi Yamaura<sup>2</sup>, Masayuki Senzaki<sup>3</sup>, Itsuro Koizumi<sup>3</sup>, Takeshi Takenaka<sup>4</sup>, Yoshiyuki Masatomi<sup>5</sup>, Kunikazu Momose<sup>5</sup>*  
*1. Kochi University*  
*2. Forestry and Forest Products Research Institute*  
*3. Hokkaido University*  
*4. Fish owl Institute*  
*5. Red-crowned Crane Conservancy*

**305 / 3F**  
**14:00 - 17:15**

**Parallel Session 4**  
**Community phylogenetics**

**Co-chair:**

Zhiyao Tang, College of Urban and Environmental Sciences, Peking University (zytang@urban.pku.edu.cn)  
 Douglas Chester, Institute of Zoology, Chinese Academy of Sciences (dc.1984@yahoo.co.uk)

**Keynote**

- 14:00 - 14:30  
**Testing Darwin's Naturalization Hypothesis**  
*Lin Jiang*  
*School of Biology, Georgia Institute of Technology*

**No. 185**

- 14:30 - 14:45  
**Niche differences and indirect effects of climate change**  
*Chengjin Chu*  
*Sun Yat-sen University*

**No. 160**

- 14:45 - 15:00  
**Quantifying spatial phylogenetic structures of fully stem-mapped plant communities**  
*Guochun Shen<sup>1,2,3</sup>, Thorsten Wiegand<sup>3</sup>, Xiangcheng Mi<sup>4</sup>, Fangliang He<sup>2,5</sup>*  
*1. Tiantong National Field Observation Station for Forest Ecosystem, East China Normal University, Shanghai 200241*  
*2. State Key Lab of Biological Control and School of Life Sciences, Guangdong Key Lab of Plant Resources, SYSU-Alberta Joint Lab for Biodiversity Conservation, Sun Yat-sen University, Guangzhou, Guangdong 510275*  
*3. Department of Ecological Modelling, UFZ Helmholtz Centre for Environmental Research-UFZ, PF500136, D-04301 Leipzig, Germany*  
*4. State Key Laboratory of Vegetation and Environmental Change, Institute of Botany, The Chinese Academy of Sciences, Beijing 100093*  
*5. Department of Renewable Resources, University of Alberta, 751 General Service Building, Edmonton, AB T6G 2H1, Canada*

**No. 124**

- 15:00 - 15:15  
**Closely-related taxa influence woody species discrimination via DNA barcoding: evidence from global forest dynamics plots**  
*Nancai Pei*  
*Research Institute of Tropical Forestry, Chinese Academy of Forestry*



**No. 63****Integrative profiling of bee communities in changing habitats of tropical South China**

15:15 - 15:30

Douglas Chesters<sup>1\*</sup>, Xiuwei Liu<sup>1</sup>, QingYan Dai<sup>1</sup>, Zeqing Niu<sup>1</sup>, Konrad Martin<sup>2</sup>, ChaoDong Zhu<sup>1</sup>

1. Institute of Zoology, China

2. University of Hohenheim, Germany

**Coffee / Tea Break****No. 150****A phylogenetic perspective on the phytogeography of Western Ghats, India**

16:00 - 16:15

Praveen Karanth<sup>\*</sup>, Divya B

Indian Institute of Science

**No. 105****Multi-trophic taxa exhibit different elevational richness pattern among structural groups in Dongling Mountain, China**

16:15 - 16:30

Zihan Jiang

College of Urban and Environmental Science, Peking University

**No. 135****Climatic severity predicts the phylogenetic structures of co-existing regional passerine birds**

16:30 - 16:45

Qing Quan<sup>1,2</sup>, Yongjie Wu<sup>3</sup>, Zhixin Wen<sup>1</sup>, Yanhua Qu<sup>1</sup>, Fumin Lei<sup>1</sup>

1. Key Laboratory of Zoological Systematics and Evolution, Institute of Zoology, Chinese Academy of Sciences, Beijing, 100101, China

2. Key Laboratory of Zoological Systematics and Evolution, Institute of Zoology, Chinese Academy of Sciences, Guangzhou, 510260, China

3. Key Laboratory of Bio-resources and Eco-environment (Ministry of Education), College of Life Sciences, Sichuan University, Chengdu, 610065, China

**No. 114****Biodiversity decline under nitrogen fertilization reduces community level resistance to fungal diseases**

16:45 - 17:00

Xiang Liu<sup>1</sup>, Shengman Lyu<sup>1</sup>, Dexin Sun<sup>1</sup>, Corey Bradshaw<sup>2</sup>, Shurong Zhou<sup>1</sup>

1. Ministry of Education Key Laboratory for Biodiversity Science and Ecological Engineering, School of Life Sciences, Fudan University, P. R. China

2. The Environment Institute and School of Biological Sciences, The University of Adelaide, Australia

**No. 19****Community assembly of moth community in boreal forest ecosystem**

17:00 - 17:15

Mengdi Hao<sup>1</sup>, Qian Jin<sup>1</sup>, Guanliang Meng<sup>2</sup>, Xin Zhou<sup>2</sup>, Aibing Zhang<sup>1</sup>

1. Capital Normal University

2. Beijing Genomics Institute at Shenzhen

**No. 74****Put genes on a map: a bioinformatics tool to extract geographical coordinates for sequences**

17:15 - 17:30

Sen Li

Natural History Museum of Denmark, University of Copenhagen

**DAY 2 FRIDAY, MAY 6, 2016****302 AB / 3F****08:30 - 12:00****Parallel Session 1****Biodiversity patterns and maintenance****Co-chair:**

Xiaolei Huang, Fujian Agriculture and Forestry University (huangxl@fafu.edu.cn)

Jian Zhang, East China Normal University (jzhang1982@gmail.com)

Alice Hughes, XiShuangBanNa Tropical Botanical Garden, Chinese Academy of Sciences

(ach\_conservation@hotmail.com)

**Keynote No. 104****The general dynamic model: towards a unified theory of island biogeography?***Michael Borregaard<sup>1</sup>, Thomas Matthews<sup>2</sup>, Robert Whittaker<sup>2,1</sup>**1. University of Copenhagen**2. University of Oxford*

08:30 - 08:55

**No. 87****Regional and historical factors supplement current climate in shaping global forest canopy height***Jian Zhang<sup>1\*</sup>, Scott Nielsen<sup>2</sup>, Lingfeng Mao<sup>2</sup>, Shengbin Chen<sup>3</sup>, Jens-Christian Svenning<sup>1</sup>**1. Aarhus University, Denmark**2. University of Alberta, Canada**3. Ministry of Environmental Protection of the People's Republic of China*

08:55 - 09:10

**No. 29****Abiotic and biotic constraints on altitudinal distributions of Andean birds***Scott Robinson**University of Florida*

09:10 - 09:25

**No. 154****The importance of macroevolutionary processes and environmental variables to explain the origin and distribution of Furnariidae's Biodiversity (Aves, Passeriformes)***Cristián E. Hernández\*, Oscar Inostroza-Michael, Enrique Rodríguez-Serrano, Jorge Avaria-Llautereo, Reinaldo Rivera**Universidad de Concepción*

09:25 - 09:40

**No. 136****Tree species age differences in North Hemisphere: cradle and museum hypothesis***Gang Feng<sup>1,2</sup>, Ziyu Ma<sup>2</sup>, Blas M. Benito<sup>2</sup>, Signe Normand<sup>2</sup>, Alejandro Ordonez<sup>2</sup>, Yi Jin<sup>3</sup>, Lingfeng Mao<sup>4</sup>, Nathan G. Swenson<sup>4</sup>, Jens-Christian Svenning<sup>2</sup>**1. School of Life Sciences, Inner Mongolia University**2. Section for Ecoinformatics and Biodiversity, Department of Bioscience, Aarhus University**3. College of Life Sciences, Zhejiang University**4. Department of Plant Biology, Michigan State University*

09:40 - 09:55

**Coffee / Tea Break**

10:00 - 10:30

**No. 18****Pollinator insect diversity monitoring in China***Chao-Dong Zhu<sup>1,2\*</sup>, A-Rong Luo<sup>1</sup>, Douglas Chesters<sup>1</sup>**1. Institute of Zoology, Chinese Academy of Sciences**2. College of Biology, University of Chinese Academy of Sciences*

10:30 - 10:45

**No. 110****Comparative community composition and diversity in the fig wasps of *Ficus benjamina* in Australia and China***Clive Darwell<sup>1</sup>, Evan Economo<sup>1</sup>, James Cook<sup>2</sup>**1. Okinawa Institute of Science and Technology**2. University of Western Sydney*

10:45 - 11:00

**No. 49****Variation in  $\alpha$ -diversity, not spatial turnover, drives  $\beta$ -diversity in a fragmented landscape***GUANG HU<sup>1</sup>, Maxwell Wilson<sup>2</sup>, Jianguo Wu<sup>2,3</sup>, Mingjian Yu<sup>4</sup>**1. Department of Landscape Architecture, School of Civil Engineering and Architecture, Zhejiang Sci-Tech University, Hangzhou, 310018, P. R. China**2. School of Life Sciences, Arizona State University, Tempe, AZ 85287-4501, USA**3. School of Sustainability, Arizona State University, Tempe, AZ 85287-4501, USA**4. College of Life Sciences, Zhejiang University, Hangzhou 310058, P. R. China*

11:00 - 11:15

**No. 102****Role of the Qinghai-Tibetan Plateau uplift on plant disjunction in the northern hemisphere: evidence from two relict and herbaceous genera of Rubiaceae***Tao Deng<sup>1</sup>, Zelong Nie<sup>2</sup>, Hang Sun<sup>1</sup>**1. Key Laboratory for Plant Diversity and Biogeography of East Asia, Kunming Institute of Botany, Chinese Academy of Sciences**2. Key Laboratory of Plant Resources Conservation and Utilization, College of Biology and Environmental Sciences, Jishou University*

11:15 - 11:30

**No. 56*****Atraphaxis* and *Lagochilus* reveal the significance of Tianshan Mountains to Central Asian flora and vegetation evolution**

11:30 - 11:45

Ming-Li Zhang<sup>2</sup>, Xiao-Qing Zeng<sup>3</sup>

1. Key Laboratory of Biogeography and Bioresources in Arid Land, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, Urumqi 830011, China

2. Institute of Botany, Chinese Academy of Sciences, Beijing 100093, China

3. College of Life Sciences, Central China Normal University, Wuhan 430079, China

**No. 46****Distribution of clavarioid mycobiota (Fungi, Agaricomycetes) does not correspond to the latitudinal gradient**

11:45 - 12:00

Anton Shiryayev

Institute of Plant and Animal Ecology

**303 A / 3F  
08:30 - 11:45****Parallel Session 5  
Biological invasion****Co-chair:**

Bo Li, Fudan University (bool@fudan.edu.cn)

Jianghua Sun, Institute of Zoology, Chinese Academy of Sciences (sunjh@ioz.ac.cn)

**Keynot****Biogeographic variations in plant defense against herbivory in *Triadica sebifera*: implications for invasion biology**

08:30 - 08:55

Jianqing Ding

Wuhan Botanical Garden, CAS

**Keynot****Biogeographic differences in competitive ability, defense and allelopathic effect of a tropical invader**

08:55 - 09:20

Yulong Feng

Shenyang Agricultural University

**Keynote****From seed to seedling: Invasive tree can escape from density-dependent effects when introduced to new range**

09:20 - 09:45

Qiang Yang

Wuhan Botanical Garden, CAS

**No. 28****Spread it to the world! The global drivers of plant invasions**Bernd Lenzner<sup>1</sup>, Thomas Mang<sup>1</sup>, Stefan Dullinger<sup>1</sup>, Dietmar Moser<sup>1</sup>, Wayne Dawson<sup>2</sup>, Holger Kreft<sup>3</sup>, Jan Pergl<sup>4</sup>, Petr Pyšek<sup>4</sup>, Mark van Kleunen<sup>5</sup>, Marten Winter<sup>6</sup>, Patrick Weigelt<sup>3</sup>, Ewald Weber<sup>7</sup>, Hanno Seebens<sup>8</sup>, Franz Essl<sup>1</sup>

1. Division of Conservation, Landscape and Vegetation Ecology, University of Vienna, Rennweg 14, 1030 Vienna, Austria

2. School of Biological and Biomedical Sciences, Durham University, South Road, Durham, DH1 1LE, UK

3. Biodiversity, Macroecology &amp; Conservation Biogeography Group, University of Göttingen, Germany

4. Institute of Botany, Department of Invasion Ecology, Academy of Sciences of the Czech Republic, 252 43 Průhonice, Czech Republic

5. Ecology, University of Konstanz, Universitätsstrasse 10, 78457 Konstanz, Germany

6. German Centre for Integrative Biodiversity Research (iDiv), Halle-Jena-Leipzig, Germany

7. Institute of Biochemistry and Biology, University of Potsdam, Maulbeerallee 1, 14469 Potsdam, Germany

8. Biodiversity and Climate Research Centre (BiK-F), Senckenberg Gesellschaft für Naturforschung, Senckenberganlage 25, 60325 Frankfurt am Main, Germany

09:45 - 10:00

10:00 - 10:30

**Coffee / Tea Break**

**No. 44****Stepping over the geographic distance: emerging alien animals in the arid zone of Asia**

10:30 - 10:45

Lyubing Zhang<sup>1,2,3</sup>, Zhigang Jiang<sup>1,2</sup>

1. Institute of Zoology, Chinese Academy of Sciences

2. University of Chinese Academy of Sciences

3. College of Resources and Environment Science, Xinjiang University

**No. 66****Risks of biological invasions concentrate in biodiversity hotspots**

10:45 - 11:00

Xianping Li<sup>1,2</sup>, Xuan Liu<sup>1</sup>, Fred Kraus<sup>3</sup>, Reid Tingley<sup>4</sup>, Yiming Li<sup>1</sup>

1. Institute of Zoology, Chinese Academy of Sciences

2. University of Chinese Academy of Sciences

3. University of Michigan

4. The University of Melbourne

**No. 67****Predicting the potential distribution of *Senecio vulgaris* L. (Asteraceae) in China**

11:00 - 11:15

Dandan Cheng, Lin Xu

State Key Laboratory of Biogeology and Environmental Geology, China University of Geosciences (Wuhan), Wuhan, Hubei, 430074, China

**No. 176****Contrasting effects of specialist and generalist herbivores on defense evolution in invasive plants: a meta-analysis**

11:15 - 11:30

Zhijie Zhang<sup>1</sup>, Xiaoyun Pan<sup>1</sup>, Mu Liu<sup>1</sup>, Dana Blumenthal<sup>2</sup>, Bo Li<sup>1</sup>

1. Ministry of Education Key Laboratory for Biodiversity Science &amp; Ecological Engineering, Institute of Biodiversity Science, Fudan University

2. USDA-ARS Rangeland Resource Research Unit, Fort Collins, USA.

**No. 177****Specificity of induced responses to herbivory in an invasive plant: induction and effect for generalist and specialist**

11:30 - 11:45

Mu Liu<sup>1</sup>, Zhijie Zhang<sup>1</sup>, Xiaoyun Pan<sup>1</sup>, Fang Zhou<sup>1</sup>, Milton Traw<sup>2</sup>

1. Ministry of Education Key Laboratory for Biodiversity Science &amp; Ecological Engineering, Institute of Biodiversity Science, Shanghai, China

2. Department of Biological Sciences, University of Pittsburgh, 4249 Fifth Avenue, Pittsburgh, PA 15260, United States

**303 B / 3F**  
**08:30 - 12:00****Parallel Session 6**  
**Conservation biogeography****Co-chair:**

Keping Ma, Institute of Botany, Chinese Academy of Sciences (kpma@ibcas.ac.cn)

Jihong Huang, Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry  
(northalluvion@163.com)**No. 39****Rewilding is the new Pandora's box in conservation**

08:30 - 08:45

David Nogues-Bravo

Center for Macroecology, Evolution and Climate, University of Copenhagen, Denmark

**No. 22****Marine plant diversity hotspots**

08:45 - 09:00

Barnabas H. Daru, Peter C. le Roux

University of Pretoria, South Africa

**No. 132****Priority areas for plant conservation in China**

Ming-gang Zhang<sup>1,2</sup>, J.W.Ferry Slik<sup>3</sup>, Ke-Ping Ma<sup>2</sup>

09:00 - 09:15

1. Institute of Loess Plateau, Shanxi University, Taiyuan 030006, China

2. State Key Laboratory of Vegetation and Environmental Change, Institute of Botany, Chinese Academy of Sciences, Beijing 100093, China

3. Faculty of Science, Universiti Brunei Darussalam, Jln Tungku Link, Gadong BE1410, Brunei Darussalam

**No. 100****Habitat Fragmentation Amplifies the Effect of Biodiversity Loss on Ecosystem Functioning**

Jiajia Liu, Zuhua Wang, Jinliang Liu, Mingjian Yu\*

09:15 - 09:30

College of Life Sciences, Zhejiang University, Hangzhou, Zhejiang, China

**No. 80****Diversity hotspots and conservation gaps of Chinese endemic seed flora**

Jihong Huang<sup>1,2</sup>, Keping Ma<sup>2</sup>, Jianhua Huang<sup>3</sup>, Canran Liu<sup>4</sup>, Jinlong Zhang<sup>5</sup>, Xinghui Lu<sup>1</sup>

09:30 - 09:45

1. Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry

2. Institute of Botany, Chinese Academy of Sciences

3. School of Economics, Minzu University of China

4. Arthur Rylah Institute for Environmental Research, Department of Environment, Land, Water and Planning

5. Flora Conservation Department, Kadoorie Farm and Botanic Garden

**No. 84****China's new forests harbour diverse insect assemblages**

Jan Christoph Axmacher<sup>1\*</sup>, Zou Yi<sup>1,2</sup>, Weiguo Sang<sup>3,4</sup>

09:45 - 10:00

1. UCL Department of Geography, University College London, London WC1E 6BT, United Kingdom

2. Centre for Crop Systems Analysis, Wageningen University, Wageningen, The Netherlands

3. College of Life and Environmental Science, Minzu University of China, Beijing, China

4. The State Key Laboratory of Vegetation and Environmental Change, Institute of Botany, Chinese Academy of Sciences, Beijing, China

10:00 - 10:30

**Coffee / Tea Break****No. 138****Mapping relative extinction risk for biodiversity conservation**

Xinghua Sui<sup>1</sup>, Lingfeng Mao<sup>2</sup>, Ying Liu<sup>1</sup>, Fangliang He<sup>1,2</sup>

10:30 - 10:45

1. SYSU-Alberta Joint Lab for Biodiversity Conservation, State Key Laboratory of Biocontrol and School of Life Sciences, Sun Yat-sen University, Guangzhou 510275 China

2. Department of Renewable Resources, University of Alberta, 114 St.-89 Ave., Edmonton, Alberta T6G 2H1 Canada

**No. 32****Can protected areas mitigate climate change impacts on bird communities ?**

Pierre Gaüzère<sup>1\*</sup>, Frédéric Jiguet<sup>2</sup>, Vincent Devictor<sup>1</sup>

10:45 - 11:00

1. Institut des Sciences de l'Evolution, Université Montpellier, CNRS, IRD, Place Eugène Bataillon, 34095 Montpellier Cedex 05, France

2. Muséum National d'Histoire Naturelle, CESCO, UMR 7204, Sorbonne Universités-MNHN-CNRS-UPMC, CP 51, 55 Rue Buffon, 75005 Paris, France

**No. 88****Maps of biogeographical ignorance for species distribution models**

Geiziane Tessarolo<sup>1,2\*</sup>, Richard Ladle<sup>3</sup>, Jorge Lobo<sup>2</sup>, Thiago Fernando Rangel<sup>1</sup>, Joaquín Hortal<sup>1,2</sup>

11:00 - 11:15

1. Depto. Ecologia, Instituto de Ciências Biológicas, Universidade Federal de Goiás, Brazil

2. Depto. Biogeografía y Cambio Global, Museo Nacional de Ciencias Naturales (CSIC), Spain

3. Institute of Biological and Health Sciences, Federal University of Alagoas, Brazil

**No. 16****Fragmentation poorly predicts both richness and species' probability of occurrence within landscapes across large regions**

Rafael De Camargo\*, David Currie

11:15 - 11:30

University of Ottawa, Canada

**No. 95**

11:30 - 11:45

**An adapted field mapping approach for monitoring heathland based on remote sensing**

Johannes Schmidt, Sebastian Schmidlein, Fabian Faßnacht, Christophe Neff  
 Karlsruhe Institute of Technology, Germany

**No. 27**

11:45 - 12:00

**Benefits of a draft genome sequence for landscape genomic studies**

Paul Gugger<sup>1</sup>, Sorel Fitz-Gibbon<sup>2</sup>, Karina Martins<sup>3</sup>, Victoria Sork<sup>2,4</sup>  
 1. University of Maryland Center for Environmental Science, Appalachian Laboratory, Frostburg, MD, USA  
 2. Department of Ecology and Evolutionary Biology, University of California, Los Angeles, USA  
 3. Departamento de Biologia, Universidade Federal de São Carlos, Brazil  
 4. Institute of the Environment and Sustainability, University of California, Los Angeles, USA

**305 / 3F****08:30 - 12:15****Parallel Session 7****Functional biogeography****Co-chair:**

Xiaojuan Liu, Institute of Botany, Chinese Academy of Sciences (liuxiaojuan06@ibcas.ac.cn)

**Keynote No. 21**

08:30 - 08:55

**The role of history in functional biogeography**

Jens-Christian Svenning  
 Section for Ecoinformatics & Biodiversity, Department of Bioscience, Aarhus University

**No. 40**

08:55 - 09:10

**Divergent patterns of intraspecific variability of generative and vegetative traits in scorpionweed *Phacelia secunda***

Tiit Hallikma, Lauri Laanisto\*  
 Institute of Agricultural and Environmental Sciences

**No. 190**

09:10 - 09:25

**Leaf phosphorus content predicts species relative abundance in Tibetan alpine meadows**

Kechang Niu<sup>1,2,3</sup>, Jin-Sheng He<sup>2</sup>, Martin J. Lechowicz<sup>3</sup>  
 1. Department of Biology, Nanjing University  
 2. Department of Ecology, Peking University  
 3. Department of Biology, McGill University

**No. 103**

09:25 - 09:40

**Accounting for trait correlation helps predict the functional composition of vegetation**

Rafael Wüest  
 Swiss Federal Research Institute WSL

**No. 58**

09:40 - 09:55

**The use of Reconstructing Ancestral State in Phylogenies (RASP) to infer the underlying diversification and biogeography within the family Thymelaeaceae**

Ledile Mankga<sup>1\*</sup>, James Stephen Boatwright<sup>2</sup>, John Manning<sup>3</sup>, Michelle Van der Bank<sup>4</sup>  
 1. University of South Africa, Department of Life and Consumer Science, Florida, 1710, South Africa  
 2. Department of Biodiversity and Conservation Biology, University of Western Cape, Bellville, South Africa  
 3. South African National Biodiversity Institute, Kirstenbosch Research Center, Newlands, Cape Town South Africa  
 4. African Center for DNA Barcoding, University of Johannesburg, Auckland Park, South Africa

10:00 - 10:30

**Coffee / Tea Break****No. 152**

10:30 - 10:45

**Flight performance facilitates dispersal and diversification throughout island settings among the Corvids (Aves: Passeriformes)**

Jonathan Kennedy<sup>1\*</sup>, Knud Jønsson<sup>1</sup>, Petter Marki<sup>1,2</sup>, Michael Borregaard<sup>1</sup>, Jon Fjeldså<sup>1</sup>, Carsten Rahbek<sup>1,3</sup>  
 1. Center for Macroecology, Evolution and Climate, Natural History Museum of Denmark, University of Copenhagen, Universitetsparken 15, DK-2100, Copenhagen, Denmark.  
 2. Natural History Museum, University of Oslo, PO Box 1172, Blindern, 0318 Oslo, Norway.  
 3. Department of Life Sciences, Imperial College London, Silwood Park campus, Ascot SLS 7PY, U.K.

10:45 - 11:00	<p><b>No. 115</b>  <b>Habitat filtering determines global patterns of species packing in functional space</b>  Yuanzhi Li  <i>Université de Sherbrooke</i></p>
11:00 - 11:15	<p><b>No. 170</b>  <b>Functional diversity of body mass for birds in space and time</b>  Lingfeng Mao  <i>University of Alberta</i></p>
11:15 - 11:30	<p><b>No. 90</b>  <b>Functional diversity of North American broad-leaved trees is codetermined by past and current environmental factors</b>  Alejandro Ordonez, Jens-Christian Svenning  <i>Aarhus University</i></p>
11:30 - 11:45	<p><b>No. 186</b>  <b>Biodiversity and ecosystem stability in dynamical metacommunities</b>  Shaopeng Wang<sup>1*</sup>, Michel Loreau<sup>2</sup>  1. German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig  2. Center for Biodiversity Theory and Modeling, CNRS</p>
11:45 - 12:00	<p><b>No. 43</b>  <b>Neutral processes contribute to patterns of spatial variation for flower colour in the Mediterranean <i>Iris lutescens</i> (Iridaceae)</b>  Hui Wang<sup>1</sup>, María Talavera<sup>2</sup>, Ya Min<sup>1</sup>, Elodie Flaven<sup>1</sup>, Eric Imbert<sup>1</sup>  1. Institut des Sciences de l'évolution de Montpellier (ISEM), Université de Montpellier, Montpellier, France  2. Departamento de Biología Vegetal y Ecología, Universidad de Sevilla, Seville, Spain</p>

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**Auditorium (3F)**  
**14:30 - 16:20**

**Plenary Talks**

14:30 - 15:10	<p><b>David Currie</b>  Professor, Biology Department, University of Ottawa, Canada</p>
15:10 - 15:40	<p><b>Coffee / Tea Break</b></p>
15:40 - 16:20	<p><b>Robert E. Ricklefs</b>  Elected member of the National Academy of Sciences, Curators' Professor of Biology, Department of Biology, University of Missouri at St. Louis, US</p>

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**Auditorium (3F)**  
**16:20 - 17:50**

**Closing Session**

16:20 - 17:50	<p>Early Career Award Ceremony</p> <p>Local committee summary</p> <p>IBS summary</p> <p>Concluding remarks</p>
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**北京大学城市与环境学院**  
College of Urban and Environmental Sciences



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LABORATORY FOR EARTH SURFACE PROCESSES (LESP)



**北京大学区域生态与环境创新引智基地**  
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