

Scientific program

3rd Berlin Bat Meeting: Bats in the Anthropocene

*: Student presentations, eligible for the Best Student Talk Award

Friday 1.3.2013

09:30 Opening of reception

Parallel activities:

9:00-12:00 Prä-Symposium Workshop über Krankheiten und Pflege Europäischer Fledermäusen (*note that location is IZW, and not the conference venue at BfR!*)

9:00-11:00 Behind-The-Scenes Tours at the Museum für Naturkunde (*location: Museum für Naturkunde Berlin; 2 groups, 1h each*)

12:00-13:30 *Lunch break*

13:30-14:30 **Plenary talk: Bats in the Anthropocene (KATE JONES)**

Session I: Bats and urbanization (Gerald Kerth, Frieder Mayer)

14:30-14:45 Urbanization, two bat species and their winter range (Lena Godlevska)

14:45-15:00 Factors shaping bat occurrence in urban green areas (Gonçalo Duarte)*

15:00-15:15 The abandonment of rural areas contributes to population growth of the lesser horseshoe bat (*Rhinolophus hipposideros*, Bechstein, 1800) in Galicia (NW Spain) (Ramón Seage)*

15:15-15:30 Acoustic mirrors as ecological traps for bats? (Stefan Greif)*

15:30-16:00 *Coffee break*

16:00-16:15 Living on the edge: studying bat colonization of bridges in northern Portugal (Pedro Alves)*

16:15-16:30 Does traffic noise matter for roosting bats? (Jinhong Luo)*

16:30-16:45 Monitoring the effects of changed illumination on the roosts of lesser horseshoe bats *Rhinolophus hipposideros* (Bechstein, 1800) in churches in Slovenia (Maja Zagmajster)

16:45-17:00 Bat activity and light pollution (Gareth Jones)

17:00-19:00 **Main Poster session**

19:00-23:00 *Warm up party at the BfR*

Saturday 2.3.2013

Session II: Bats in disturbed habitats (Ariovaldo Cruz-Neto, Matt Struebig)

8:30-8:45 Habitat preferences of bats in anthropogenically altered, mosaic landscapes of northern Poland (Mateusz Ciechanowski)

8:45-9:00 How disturbance-gradients affect aerial insectivorous bats: two stories about the New and Old World tropics (Maria Helbig-Bonitz)*

9:00-9:15 Impacts of rainforest modification on palaeotropical insectivorous bats (Matt Struebig)

9:15-9:30 On the magnitude and responses to the effects of fragmentation in bats: A phenotypic integration analysis (Ariovaldo P. Cruz-Neto)

9:30-9:45 Temporal variation in responses of Neotropical bats to forest fragmentation (Christoph Meyer)

9:45-10:00 Anthropogenic habitat fragmentation: Genetic consequences in two frugivorous bat species (Simon Ripperger)*

10:00-10:15 The effect of a major road on bat activity and diversity, and the effectiveness of current mitigation practice (Anna Berthinussen)*

10:15-10:30 Butyltin compounds in the food web: impacts on chironomids and Daubenton's bats (Thomas Lilley)*

10:30-11:00 *Coffee break*

11:00-12:00 **Plenary talk: Viruses of bats and other small mammals: investigations into virus evolution and epidemic risks (CHRISTIAN DROSTEN)**

Session III: Viral emerging diseases in bats (Christian Drostén)

12:00-12:15 Nipah virus: A case study for using a one health approach to understand emerging zoonoses (Kevin J. Olival)

12:15-12:30 Determinants of the viral richness in 15 African bats: importance of the fragmentation of

	the distribution areas (Mathieu Bourgarel)
12:30-12:45	Orthoreoviruses isolated from European bats (Claudia Kohl)*
12:45-13:00	Coronaviruses related to human betacoronavirus 2c EMC/2012 in African and European bats (Heather J. Baldwin)*
13:00-14:30	<i>Lunch break</i>
	Session IV: Bats and rabies (Charles Rupprecht, Thomas Müller)
14:30-14:45	Inferences from lyssaviruses on prevention and control of emerging bat infectious diseases (Charles Rupprecht)
14:45-15:00	Novel bat lyssaviruses in Europe and Africa – emergence or emerging efforts to discover? (Conrad Freuling)
15:00-15:15	Is there a need for pan-lyssavirus vaccines? (Ashley C. Banyard)
	Session V: White-Nose-Syndrome (Sebastien Puechmaille, Craig Willis, Gudrun Wibbelt)
15:15-15:30	White Nose Syndrome: Evolution, our understanding and definition (Elizabeth Buckles)
15:30-15:45	WNS is a complex phenomenon: theoretical and practical issues (Ivan Horáček)
15:45-16:00	Update on the phylogeny and epidemiology of <i>Geomyces destructans</i> from North America and Europe (Kevin Drees)
16:00-16:15	Does hibernation impair immunocompetence of greater mouse-eared bats (<i>Myotis myotis</i>)? Constitutive immune response before and after arousal from hibernation (Gábor Á. Cziráj)
16:15-16:30	Understanding species differences in immunological responses to the newly invading pathogen, <i>Geomyces destructans</i> (Marianne Moore)
16:30-16:45	White-nose syndrome and microclimate: relative humidity affects hibernation physiology and behaviour of little brown bats inoculated with <i>Geomyces destructans</i> (Lisa Warnecke)
16:45-17:00	Modelling <i>Geomyces destructans</i> distribution in North America and Eurasia using ecological niche modelling: what can we learn? (Hugo E.V. Rebelo)
17:00-17:15	Seasonal transmission dynamics and impacts of white-nose syndrome (Kate E. Langwig)*
17:15-18:45	<i>Coffee break and Poster Session</i>
19:00	<i>Departure to Conference Banquet</i>
19:30-23:30	Conference Banquet at the Natural History Museum Berlin

Sunday 3.3.2013	
8:30-9:30	Plenary talk: Causes and consequences of bat fatalities at wind facilities: answers and remaining questions (ROBERT BARCLAY)
	Session VI: Bats and wind farms (Jens Rydell, Robert Barclay)
9:30-9:45	Mitigating the potential negative effects of tall wind turbines on bats: vertical activity profiles and relationships to wind speed (Raphaël Arlettaz)
9:45-10:00	Foraging as a possible cause of bat mortality at the Montezuma Hills Wind Resource Area, California (David Johnston)
10:00-10:15	Using species distribution modelling to predict bat fatality risk at wind farms (Helena Santos)*
10:15-10:30	Bat-friendly operation algorithms: reducing bat fatalities at wind turbines in central Europe (Oliver Behr)
10:30-10:45	Mitigating bat fatalities from wind-power plants through targeted curtailment: results from 4 years of testing of CHIROTECH© (Hubert Lagrange)
10:45-11:00	Integrating applied ecology and planning policy: the case of micro-turbines and wildlife conservation (Kristy J. Park)
11:00-11:30	<i>Coffee break</i>
11:30-12:30	Plenary talk: Ecosystem services of paleotropical bats (Sara Bumrungsri)
	Session VII: Ecosystem services of bats (S. Bumrungsri, Gary McCracken)
12:30-12:45	Bats in South East Asian agroforestry contribute more to cacao pest control than birds (Bea Maas)*
12:45-13:00	Artificial light at night reduces seed dispersal by Neotropical bats (Daniel Lewanzik)*
13:00-13:15	Ecosystem services and migratory bats (Jennifer J. Krauel)*
13:15-14:30	<i>Lunch break / Poster removal</i>

14:30-15:30 **Plenary talk: From research to outreach: integrative approaches and a call to arm (TIGGA KINGSTON)**

Session VIII: Public outreach and the conservation of bats (Tigga Kingston)

15:30-15:45 Why should I engage in public awareness of science activities? Benefits and challenges (Robert M. R. Barclay)

15:45-16:00 A citizen science project for swarming roosts of bats in cities (Claudia Elisa Kubista)*

16:00-16:15 Colombian Bat Conservation Program (PCMCo): strategies and efforts adopted by Foundation Chimbilako (Adriana M. Dorado Correa)*

16:15-16:45 Podium discussion: **The future of bats in the Anthropocene (PAUL RACEY)**

16:45-17:00 Award ceremony, closing of conference

19:00 Farewell Party at the "Grüner Salon" of the "Volksbühne"