

LIST OF ABSTRACTS SUBMITTED TO THE 15th IBRC (update: May 31, 2010)

Below is the complete list of 386 abstracts received in good order until May 31, 2010, arranged by surname of the first author, separately for oral presentations and posters. The list is supplemented by original allocations suggested by the uploading author (except for the cases of apparent misprinting (ca 30 items) which were mostly corrected by the organizers). Of course, it should be taken in account that a decision by the symposia conveners or manouevring with the Conference program may change a definite allocation in some of them, eventually. Some of the authors rearranged or re-submitted their abstracts (ca 50 items) during the last weeks - in those cases we systematically replaced the former versions with the latest ones. Please, check carefully whether your abstracts are included and are cited correctly - in case of any discrepancy do not hesitate to contact conference@conference.cz immediately.

KEYNOTE LECTURES

Estimating diversity: how many bat species are there?

Simmons Nancy B., Wetterer Andrea L. (USA)
(Keynote K1)

Of bats and molecules: a genomics perspective

I. Karyotype evolution illuminated by FISH

Volleth Marianne (Germany)
(Keynote K3.1)

Of bats and molecules: a genomics perspective

II. The use of comparative genomics in the study of bats

Teeling Emma (Ireland)
(Keynote 3.2)

From sensory modalities to ecological processes, from temperate to tropical zones: Following Otto von Helversen's legacy in bat research

Voigt Christian C., Kalko Elisabeth K.V. (Germany)
(Keynote K4)

Life history and sociobiology of bats

Kerth Gerald (Germany)
(Keynote K6)

Advances in aeroecology: An emerging discipline

Kunz Thomas H (USA)
(Keynote K7)

Bat Conservation: Past, Present and Future

P. A. Racey (United Kingdom)
(Keynote K8)

ORAL PRESENTATIONS

Bat traffic along Irish motorways - how to reduce the toll for commuting bats?

Abbott Isobel, Butler Fidelma, Harrison Simon (Ireland)
(Oral, S14)

Does use of the uropatagium during flight give insight into the origin of flight in bats?

Rick A. Adams (USA)
(Oral, S7)

Each flying fox on its own branch: a phylogenetic tree for Pteropus

Francisca C. Almeida (Spain), Simone Loss (USA), Norberto P. Giannini (Argentina, USA), Kris Helgen, Nancy Simmons (USA)
(Oral, S4)

A phylogenetic analysis of Pteropodidae based on multi-locus molecular data

Francisca C. Almeida (Spain), Norberto P. Giannini (Argentina, USA), Nancy Simmons (USA)
(Oral, S6)

Bats and Wind Farms: relationship between bat activity and fatalities, methodologies evaluation and influence of environmental and ecological factors on mortality

Amorim Francisco, Rodrigues Luísa (Portugal)
(Oral S9)

Diet composition, resource partitioning and trophic niche overlap in forest foliage gleaning bats

Michal Andreas, Antonín Reiter, Petr Benda (Czech Republic)
(Oral, Ecology)

Speciation and systematics of Malaysian Woolly bats (Vespertilionidae: *Kerivoula*) inferred from multiple datasets

Faisal Ali Anwarali Khan, Sergio Solari, Vicki J. Swier, Peter A. Larsen, M. T. Abdullah, Robert J. Baker (USA, Malaysia, Colombia)
(Oral, S4)

The relationship between geographic range size and niche breadth in African Horseshoe bats

Aronson Jonathan, Jacobs David (South Africa)
(Oral, S2)

Mitochondrial DNA Relationships among North Palearctic *Eptesicus* species

Artyushin Ilya, Bannikova Anna, Lebedev Vladimir, Kruskop Sergey (Russia)
(Oral, S4)

Human-made landscapes drive livestock rabies outbreaks transmitted by *Desmodus rotundus* in Mexico

Avila-Flores Rafael, Aguilar-Setién Alvaro, Aréchiga-Ceballos Nidia, De Vega Alfonso, Manzano-Martínez Dolores, Medellín Rodrigo A., Suzán Gerardo, Zarza Heliot (Mexico)
(Oral, S17)

Resource selection by slow- and fast-flying insectivorous bats in a heavily urbanized landscape

Avila-Flores Rafael (Mexico)
(Oral, S14)

A digestive perspective on nectar-feeding specialization in phyllostomid bats

Jorge Ayala-Berdon, Jorge E. Schondube (Mexico)
(Oral, Ecology)

The influence of abiotic factors on the distribution of bats (Chiroptera) in South Africa.

Babiker, Hassan, Jacobs, David S.
(Oral, S12)

Volant Viruses: a metaviromic study of a West African bat population

Baker KS, Caccamo M, Daly G, Bexfield N, Kellam P (UK), Suu-Ire R (Ghana), Hayman DTS, Heeney J, Cunningham AA, Wood JLN, Murcia P (UK)
(Oral, S17?)

Allopatric, Ecological, Hybrid, etc. Speciation in bats: How do their wing prints differ?

Robert J. Baker, Peter A. Larsen, and María R. Marchán-Rivadeneira (USA)
(Oral, S4)

Bat bugs of the family Cimicidae (Heteroptera)

Balvín Ondřej, Vilímová Jitka (Czech Republic)

(Oral, S10)

Speciation in progress? Phonotypes and genetic differences in two coexisting morphotypes of the bat *Macrotus waterhousii minor*

Bastian Anna (Germany), Emanuel Mora (Cuba), Sabine Schmidt (Germany)

(Oral, S4)

Taxonomic Network for Southeast Asian Bats

Bates Paul (United Kingdom), Soisook Pipat ((Thailand), Douangboubpha Bounsavane (Laos), Ith Saveng (Cambodia), Thong Vu Dinh (Vietnam), Hla Bu Si Si (Myanmar), Furey Neil (Cambodia), Hammond Nikky (United Kingdom), Satasook Chutam (Thailand)

(Oral, Taxonomy and Distribution)

Three peas in a pod? Energetics of three sympatric gleaning bats

Becker Nina I., Jorge A. Encarnaçãõ, Marco Tschapka, E.K.V. Kalko (Germany)

(Oral, S10)

Better knowing the Brazilian bats: a 200-years task?

Enrico Bernard, Ludmilla M.S. Aguiar, Ricardo B. Machado (Brazil)

(Oral, S15)

The Distribution of Genetic Diversity of the Bent-winged Bat, *Miniopterus schreibersii*, in Europe and Anatolia

Bilgin Rasit, Maraci Öncü (Turkey), Puechmaille Sébastien J. (Ireland), Presetnik Primož (Slovenia), Hamidovic Daniela, Fressel Norma (Croatia), Kranpandža Branko, Paunović Milan (Serbia), Ibañez Carlos (Spain), Allegrini Benjamin (France), Gürün Kanat (Turkey), Juste Javier (Spain)

(Oral, S6)

An exceptionally well-preserved hipposiderid fauna from a middle Miocene cave deposit in the Riversleigh World Heritage Area, Queensland, Australia

Black Karen H., Hand Suzanne J., Archer Mike, Godthelp Henk (Australia)

(Oral, S1)

White-nose Syndrome in North America

Blehert David, Meteyer Carol, Ballmann Anne, Lorch Jeff, Berlowski-Zier Brenda, Muller Laura, Cryan Paul (USA)

(Oral, S17)

Applying non-invasive genetic monitoring to bat populations

Emma S. M. Boston, Mathieu G. Lundy, Daniel L. Buckley, David Scott, Paulo A. Prodohl, Ian Montgomery, Ferdia Marnell, Emma C. Teeling (Ireland)

(Oral, S9)

Adaptation of echolocation call intensity to ecological constraints in phyllostomid bats

Brinkløv Signe, Kalko Elisabeth K. V., Surlykke Annemarie (Germany)

(Oral, S2)

Bats and Mine Closure: A Double-edged Sword

Brown, Patricia E. (USA)

(Oral, S14)

Between a rock and a wet place: Home range and habitat associations of a maternity colony of *Myotis mystacinus* (whiskered bat) in a lowland agricultural landscape

Buckley Daniel J. (Ireland), Lundy Mathieu G. (United Kingdom), Boston Emma S.M. (Ireland), Scott David D., Montgomery W. Ian, Prodohl Paulo (United Kingdom), Marnell Ferdia, Teeling Emma C. (Ireland)

(Oral, Ecology)

Emission and echo SPL in foraging Greater Mouse-eared bats (*Myotis myotis*) at different target strength

Budenz Tobias, Denzinger Annette, Schnitzler Hans-Ulrich (Germany)
(Oral, S2)

Spatial model of bovine rabies transmitted by *Desmodus rotundus*. Landscape structure and edges related to rabies risk

Carrasco-Hernández Roberto, Manzano-Martinez María Dolores, Bautista Carlos, deVega-García Alfonso, Flisser Ana, Medellín Rodrigo A., Suzán Gerardo (Mexico)
(Oral, Ecology)

A methodology for searching and monitoring diurnal roosts

Cesari Adalberto, Pavan Ana Carolina D'Oliveira, Garbino Guilherme Siniciato Terra, Aquino Carla Cristina, Alves Thalita Fonseca (Brazil)
(Oral, S9)

Richness of bats in the Floresta Nacional Tapirape-Aquiri, State of Para, Northern Brazil

Cesari Adalberto, Pavan Ana Carolina D, Oliveira Marcus VB, Garbino Guilherme ST, Aquino Carla C, Pereira Luciana G, Martins Simone S, Alves Thalita F, Barros Juliana G, Aires Caroline C, Martins Felipe M, Nascimento Fabio O (Brazil)
(Oral, S15)

Acoustic and Genetic variation in *Rhinolophus rouxii* in South India

Chattopadhyay Balaji, Kumaravel A Vinoth Kumar, Garg M Kritika, Devaraj Paramanatha Swami Doss (India), Schuller Gerd (Germany), Ramakrishnan Uma, Kandula Sripathi (India)
(Oral, Taxonomy and Distribution)

Genetic variation in the short nosed fruit bat *Cynopterus sphinx*

Chattopadhyay Balaji, Garg M Kritika, Kumaravel A Vinoth Kumar, Devaraj Paramanatha Swami Doss, Ramakrishnan Uma, Kandula Sripathi (India)
(Oral, Taxonomy and Distribution)

Bats: Conservation and Ecotourism, the experience at Tirimbina Rainforest

Chavarría Carlos, Rodríguez-Herrera Bernal (Costa Rica)
(Oral, Conservation)

Dynamics of roost entrance in a leaf-roosting bat

Chaverri Gloriana (USA), Montero Karina (Costa Rica)
(Oral, Behavior)

Getting the measure of biodiversity: Bats and global biodiversity indicators

Collen Ben, McRae Louise, Loh Jonathan (Switzerland)
(Oral, S9)

Migratory structure and geographic origins of hoary bats (*Lasiurus cinereus*) inferred from stable isotope analysis

Cryan, Paul M., Stricker, Craig A., Wunder, Michael B. (USA)
(Oral, S8)

Species diversity of bats along an altitudinal gradient in southern Malawi

Curran Michael, Kopp Mirjam, Beck Jan (Switzerland), Fahr Jakob (Germany)
(Oral, S12)

Complementarity in extinction drivers among Caribbean endemic bats

Dávalos Liliana, Russell Amy (USA)
(Oral, S5)

Echolocation, Flight and Inner Ear Adaptation in Bats

Davies Kalina, MacLeod Norman, Bates Paul (United Kingdom), Teeling Emma (Ireland), Rossiter Stephen (United Kingdom)
(Oral, Morphology)

The urban crowd: foraging ecology of straw-coloured fruit bats (*Eidolon helvum*) from the non-migratory subpopulation in Accra, Ghana

Dina K.N. Dechmann (Germany), Richard Suu-Ire (Ghana), Martin Wikelski, Jakob Fahr (Germany)
(Oral, S8)

Evolution of bat flies (Diptera; Hippoboscoidea): Implications for host-pathogen co-evolution

Katharina Dittmar, Bruce D. Patterson, Carl W. Dick, Matthew Gruwell, Jason R. Mayberry, Solon Morse (USA)
(Oral, S10)

Phylogeography of *Rhinolophus hipposideros*

Dool, Serena E., Rossiter, Stephen J., Teeling, Emma C. (Ireland)
(Oral, S6)

Directional hearing by echolocating nectar-feeding bats (*Glossophaga soricina*)

Drapeau, Violaine, Holderied, Marc (United Kingdom)
(Oral, Behavior)

Do bats recognize their predators?

Tess Driessens (Belgium), Björn Siemers (Germany)
(Oral, Ecology)

Frugivory and the diversification of phyllostomid bats

Elizabeth R. Dumont, Liliana M. Dávalos, Aaron Goldberg, Christian C. Voigt, Katja Rex, Sharlene E. Santana (USA)
(Oral, S11)

Inferring the evolutionary factors from rates of phenotypic divergence in *Myotis*

Dzeverin Iqor, Ghazali Maria (Ukraine)
(Oral, S1)

Effects of connectivity and shape of landscape elements on bats

Ehrenbold Annie, Bontadina Fabio, Arlettaz Raphaël, Obrist Martin K. (Switzerland)
(Oral, S14)

Using satellite telemetry to assess movement patterns of *Pteropus* spp.

Epstein Jonathan H (USA), Smith Craig S (Australia), Breed Andrew (United Kingdom), Plowright Raina (USA), Field Hume E (Australia), Daszak Peter (USA)
(Oral, S8)

Effects of tropical forest fragmentation on aerial insectivorous bats in a land-bridge island system

Estrada-Villegas Sergio (Canada), McGill Brian J. (USA), Meyer Christoph F. J. (Portugal), Kalko Elisabeth K. V. (Germany, Panama)
(Oral, S14)

A stylohyal-tympanic connection signals laryngeal echolocation in bats

Faure Paul A, Veselka Nina, McErlain David D, Holdsworth David W, Eger Judith L (Canada), Chhem Rethy (Austria), Mason Matthew J, Brain Kirsty L (United Kingdom), Fenton M Brock (Canada)
(Oral, S3)

Group decision-making in fission-fusion societies: Lessons from Bechstein's bats and brown long-eared bats

Fleischmann Daniela, Kerth Gerald (Germany)
(Oral, S13)

Adaptive behavior of gleaning bats during spatial orientation and prey acquisition

Flick Johanna, Schnitzler Hans-Ulrich, Denzinger Annette (Germany)

(Oral, S16)

Impacts of White-Nose Syndrome on Population Viability of Little Brown Myotis (*Myotis lucifugus*)

Frick, Winifred F., Pollock, Jacob F., Langwig, Kate E., Kunz, Thomas H. (USA)

(Oral, S5)

Spatio-temporal variability in nightly dispersal patterns of *Tadarida brasiliensis*: Modeling bat movements in 3D

Frick, Winifred F., Howard, Kenneth W., Chilson, Phillip B., Kunz, Thomas H. (USA)

(Oral, S8)

Bat communities in a fragmented landscape in southern Western Ghats: status, ecology and conservation

Foui Eleni K. (India), Altringham John D. (UK), Sankaran Mahesh (India), Singfield Christine (UK), Mudappa Divya (India), Biesmeijer Jacobus (UK)

(Oral, S14)

***Miniopterus schreibersii pallidus* or *Miniopterus pallidus*: the current evidence**

Andrzej Furman (Turkey), Tomasz Postawa (Poland), Emrah Coraman (Turkey)

(Oral, Taxonomy and Distribution)

Social calls are sufficient for locating conspecifics at roosts in a tree-dwelling bat *Nyctalus noctula*

Joanna Furmankiewicz, Ireneusz Ruczyński (Poland), Gareth Jones (United Kingdom)

(Oral, S13)

Bats and bat research in the Moravian Karst: 1850 – 2010

Gaisler Jiří, Kovařík Miroslav, Řehák Zdeněk Zima Jan, Zúkal Jan (Czech Republic)

(Oral, S9)

Mutualistic networks in frugivorous bats: effects of perturbations

Jorge Galindo-González, Victor Rico-Gray, Cecilia Díaz-Castelazo, Alejandro Castro-Luna, Jesús R. Hernández Montero (Mexico)

(Oral, S11)

The white tent-making bat and the period of roost availability during forest succession

Gamba-Ríos Melquisedec, Cordero Schmidt Eugenia, Rodríguez Herrera Bernal (Costa Rica)

(Oral, Ecology)

Dynamics of cave use by cave-dwelling bats in Arid and Semiarid zones in Northern Venezuela

García-Rawlins, Ariany, Nassar, Jafet M., Simal, Fernando (Venezuela)

(Oral, Conservation)

Is harem size a predictor of male reproductive success across habitats and seasons?

Garg, M, Kritika, Chattopadhyay, Balaji, Kumaravel, A, Vinoth, Kumar, Devaraj, Paramanatha, Swami Doss, Kandula, Sripathi, Ramakrishnan, Uma (India)

(Oral, Behavior)

Bat fauna in Chernobyl Exclusion Zone

Gashchak Sergij, Vlaschenko Anton, Naglov Alexander (Ukraine), Beresford Nicholas (United Kingdom)

(Oral, Ecology)

Distribution and migratory status of *P. pipistrellus* and *P. pygmaeus* in the Russian Caucasus

Gazaryan Suren (Russia)

(Oral, Taxonomy and Distribution)

Echolocation strategies for object recognition in dense rainforest for two gleaning bats, *Micronycteris microtis* and *Thyroptera tricolor*
Geipel, Inga, Kalko, Elisabeth K. V. (Germany)
(Oral, S16)

Dietary differences among nectar-feeding bats in French Guiana
Cullen K Geiselman (USA)
(Oral, Ecology)

Bats drink mineral enriched water with a grain of clay at salt licks in Amazonian rain forests
Simon J. Ghanem, Hans Ruppert (Germany), Thomas H. Kunz (USA), Christian C. Voigt (Germany)
(Oral, S11)

Evolution of body mass in Old and New-World Leaf-nosed bats
Giannini Norberto P., Dávalos Liliana M., Gunnell Gregg, Simmons Nancy B. (Argentina, USA)
(Oral, S2)

Marco! Polo! Social calls used by *Thyroptera tricolor* for locating roostmates
Erin H. Gillam, Glorianna Chaverri (USA)
(Oral, S8)

Bat-moth interactions in the field: trajectory analysis reveals stereotypic yet effective evasive responses and their counter-responses
Goerlitz, Holger R., ter Hofstede, Hannah M., Holderied, Marc W. (Germany)
(Oral, S3)

The underestimated diversity of bats in Brazil: idiosyncratic limitations or shared concerns within South America about collection management and systematic practices?
Renato Gregorin, Valéria Cunha Tavares (Brazil)
(Oral, S15)

Sensory basis of habitat recognition in echolocating bats
Stefan Greif, Björn M. Siemers (Germany)
(Oral, S2)

Dental characteristics of the most primitive known bat *Onychonycteris finneyi*
Gunnell, Gregg F., Simmons, Nancy B. (USA), Habersetzer, Jörg (Germany), Velazco, Paul M., Smits, Peter D. (USA)
(Oral, S1)

Cenozoic patterns of origination and extinction in bat communities
Gunnell, Gregg F. (USA)
(Oral, S5)

The creation of new artificial lakes as a mitigation measure for bats
Gyselings Ralf, Van den Bergh Erika (Belgium)
(Oral, S14)

Multiple invasions of Australasia by New World bats? Evidence from the fossil record
Hand Suzanne J., Worthy Trevor H. (Australia), Beck Robin M.D. (USA), Jones Jennifer P. (Australia), Tennyson Alan J.D., Scofield R. Paul4 ((New Zealand), Archer Mike (Australia)
(Oral, S1)

Bat extinctions in the Australasian Region: view from the fourth dimension
Hand Suzanne J., Archer Michael, Godthelp Henk, Worthy Trevor H. (Australia)
(Oral, S5)

Is the only European population of fruitbats close to extinction?
Nicolaou Haris, Hadjisterkotis Eleftherios, Erotokritou Elena (Cyprus), Lučan Radek K., Bartonička Tomáš, Horáček Ivan (Czech Republic)

(Oral, S5)

The Impact of Environmental Niche Specialisation on the Evolution of Olfaction in Bats

Sara Hayden, Micheal Beakert, Emma C. Teeling (Ireland)

(Oral, S6)

Bat monitoring and the development of multi-species indicators

Haysom Karen A. (United Kingdom)

(Oral, S9)

Patterns of habitat use by bats in a mosaic of land-use types in a biodiversity hotspot in Southern Chile

Heady III Paul A., Frick Winifred F. (USA), Soto-Gamboa Mauricio (Chile), Meynard Christine N. (France)

(Oral, Conservation)

Historical and imminent bat extinctions: documenting extinctions and discerning patterns

Kristofer M. Helgen (USA)

(Oral, S5)

Modelling continental species richness of African bats at high resolution

Herkt K. Matthias B., Barnikel Günter, Wegmann, Martin (Germany), Kalko, Elisabeth K. V. (Germany, Panama), Fahr Jakob (Germany)

(Oral, S12)

Patterns of habitat use by female *Plecotus auritus* and predicted negative impacts of woodland management

Hill David A. (Japan), Murphy Stephanie E., Greenaway Frank (United Kingdom)

(Oral, Ecology)

Bats in snow: Do they hibernate?

Hirakawa Hirofumi, Fukui Dai (Japan)

(Oral, Behaviour)

Stroboscopic flow perception in free flying bats

Holderied Marc (United Kingdom)

(Oral, S3)

Context-dependent energetically optimal flight speeds in bats

Holderied Marc (United Kingdom)

(Oral, S7)

"Out for the count?" Winter torpor in Natterer's bat *Myotis nattereri*

Hope Paul, Jones Gareth (United Kingdom)

(Oral, Behavior)

Czech and Slovak bat monitoring schemes: experiences, results, inspiration

Ivan Horáček, Tomáš Bartonička (Czech Republic), Marcel Uhrin (Slovak Republic), Czech Bat Conservation Trust

(Oral, S9)

Scales of movement by a long-distance migrant: the Brazilian free-tailed bat (*Tadarida brasiliensis*)

Hristov Nickolay I, Betke Margrit, Swartz Sharon M, Kunz Thomas H (USA)

(Oral, S8)

Impacts of Land-use Intensification on Rainforest Bat Assemblages in Sumatra, Indonesia

Huang Joe Chun Chia (USA), Rustiati Elly Lestari, Master Jani, Prastianingrum Hesti (Indonesia), Kingston Tigga (USA)

(Oral, S14)

The aerodynamics of different bat species

Tatjana Y. Hubel (USA, UK), Nickolay I. Hristov, Daniel K. Riskin (Riskin), Sharon M. Swartz (USA, UK), Kenneth S. Breuer (USA, UK)
(Oral, S7)

Predicting distributions of Asian bat species over 20000 years and solving zoo-geographic riddles

Alice C. Hughes (UK), Chutamas Satasook (Thailand), Paul J.J. Bates (UK), Pipat Soisook, Tuenjit Sritongchuay (Thailand), Gareth Jones (UK), Sara Bumrungsri (Thailand)
(Oral, S9)

Phylogeography of *Pipistrellus pipistrellus* species group: radiation and reticulation

Hulva Pavel, Fornuskova Alena, Chudarkova Adela (Czech Republic), Allegrini Benjamin, Evin Allowen (France), Benda Petr, Horacek Ivan, Bartonicka Tomas, Bryja Josef (Czech Republic)
(Oral, S6)

The potential communication value of species specific terminal frequencies in European pipistrelle bats

Hüpkas Melanie, Schnitzler Hans-Ulrich, Denzinger Annette (Germany)
(Oral, S2)

Ontogeny of foraging of the short-nosed fruit bat *Cynopterus sphinx* in captivity

S. Suthakar Isaac, P. Augustus Robinces (India)
(Oral, S11)

What, if anything, can variation in echolocation calls tell us about speciation in bats?

Jacobs David (South Africa)
(Oral, S2)

Advertisement calls of *Pipistrellus nathusii*: complex message of individual males

Jahelková Helena, Horáček Ivan, Bartonička Tomáš (Czech Republic)
(Oral, S13)

Dynamics of the echolocation beam shape in vespertilionid bats

Jakobsen Lasse, Surlykke Annemarie (Denmark)
(Oral, S16)

Habitat and morphology of Greater Asiatic yellow house bat, *Schotophilus heathii* (Microchiroptera:Vespertilionidae)

Arshad Javid, Muhammad Mahmood-ul-Hassan (Pakistan)
(Oral, Morphology)

Emitting echolocation calls through nose or mouth in *Trachops cirrhosus* (Phyllostomidae)

Johannesen Line F. (Denmark), Kalko Elisabeth K.V. (Germany), Page Rachel (USA), Surlykke, Annemarie (Denmark)
(Oral, S2)

Prioritising the unknown

Jones, K.E., Safi, K. (United Kingdom)
(Oral, S5)

Monitoring ultrasonic biodiversity: using bats as biodiversity indicators

Jones, K.E., Russ, J. (United Kingdom)
(Oral, S9)

Behavioral evidence for eavesdropping on prey song in two Palearctic sibling bat species

Patricia L. Jones (Germany, USA), Rachel A. Page (Germany, Panama), Manfred Hartbauer (Austria), Björn M. Siemers (Germany)
(Oral, Behavior)

Structural heterogeneity affects bats occurrence and activity in Central European forest stands

Jung Kirsten, Kaiser Sonja, Böhm Stefan, Nieschulze Jens, Schulze Ernst-Detlef (Germany), Kalko Elisabeth K. V. (Germany, Panama)
(Oral, S14)

The pipistrelle bats of Macaronesia: a phylogeographic approach

Juste Javier, Trujillo, Domingo, Ibáñez Carlos (Spain)
(Oral, S4)

Molecular phylogeny and systematics of Old World serotine bats (genus *Eptesicus*, Vespertilionidae, Chiroptera)

Juste Javier (Spain), Benda Petr (Czech Republic), Garcia-Mudarra Juan Luis, Ibáñez Carlos (Spain)
(Oral, S6)

"Waiter, there's a bat in my soup!" Implications of fruit bat as bushmeat in Ghana, West Africa

Kamins Alexandra, Restif Olivier, Rowcliffe Marcus, Cunningham Andrew (United Kingdom), Ntiamo-Baidu Yaa (Ghana), Wood James (United Kingdom)
(Oral, S14)

Categorization of affect intensity and individuality within call types emitted during agonistic interactions

H. Kastein (Germany), AK.V. Kumar, K. Sripathi (India), S. Schmidt (Germany)
(Oral, S13)

High activity enables life on a high sugar diet in nectar-feeding bats

Detlev H. Kelm, R. Simon, C. Voigt, D. Kuhlow, M. Ristow (Germany)
(Oral, S2)

How affect the origin to thermal preference and hibernation period of *Myotis formosus* in Korea?

Sun-Sook Kim, Yu-Seong Choi, Bong-Hyeon Kim, Jeong-Chil Yoo (Korea)
(Oral, Ecology)

Landscape and temporal variability of insectivorous bat assemblages in a Malaysian rainforest: just what is a bat assemblage?

Kingston Tigga (USA), Kudos Rakhmad Sujarno (Malaysia), Senawi Juliana (USA), Akbar Zubaid , Hashim Rosli (Malaysia), Kunz Thomas (USA), Gopal Sucharita (Malaysia)
(Oral, S12)

Learned vocal signatures in a polygynous bat

Mirjam Knörnschild, Martina Nagy, Otto von Helversen (Germany)
(Oral, S13)

Source levels of echolocation signals vary in correlation with wing beat cycle in landing Big Brown bats (*Eptesicus fuscus*)

Koblitz Jens C., Stilz Peter, Schnitzler Hans-Ulrich (Germany)
(Oral, Behavior)

The use of natural and artificial bodies of water by desert and non desert species of bats

Korine Carmi , Razgour Orly , Shamir Uzi , Saltz David , Benenson Itzhak (Israel)
(Oral, S15)

Comparative diet analyse of the two sympatric European 'trawling' bat species, *Myotis dasycneme* and *Myotis daubentonii*

Frauke Krüger, Inka Harms, Robert Sommer (Germany)
(Oral, Ecology)

Current challenges in the taxonomy of Vietnamese *Myotis*

Sergey Kruskop (Russia), Alex Borisenko (Canada)

(Oral, S4)

Generating Rich Emission Beams for Echolocation

Kuc Roman (USA)

(Oral, S16)

Ecosystem services provided by bats

Kunz Thomas H, Braun de Torrez Elizabeth, Bauer Dana M, Lobova Tatyana A, Fleming Theodore H (USA)

(Oral, S9)

Bat Facial and Lip Projections: Unique Integumentary Morphology

Kwieceński Gary, Homnick Paul, Herr Daniel, Bongiorno Giuseppe (USA)

(Oral, S11)

Bat-like creatures engaged in high-altitude migratory and feeding or reproductive behavior over temperate landscapes in North America

Larkin Ronald P, Hoar Alex R, Allen Louise C, Betke Margrit, Hristov Nickolay I, Kunz Thomas H (USA)

(Oral, S8)

“Noisy neighbours”: Do long-tailed bats (*Chalinolobus tuberculatus*) alter their evening activity in response to aircraft noise?

Darren Le Roux, Joseph R. Waas (New Zealand)

(Oral, S14)

The effect of tributyltin on the complement pathway and oxidative stress level of Daubenton's bats

Lilley Thomas, Stauffer Janina, Kanerva Mirella, Hiitola Tatu, Nikinmaa Mikko (Finland)

(Oral, Ecology)

Biodiversity, systematics, and conservation of bats from the Guianan subregion of northern Amazonia

Lim Burton K. (Canada), Tavares, Valéria da C. (Brazil)

(Oral, S15)

Flight constrains maximum size in bats

Lindhe Norberg, Ulla M Norberg, R Åke (Sweden)

(Oral, S7)

Anthropogenic impacts on bat communities: demography and biotic homogenisation

Grégoire Lois, Christian Kerbiriou, Jean-François Julien (France)

(Oral, S14)

Endoparasites of pipistrelle bats

Lord Jennifer, Dodd Nicole, Hide Geoff, Brooks Darren (United Kingdom)

(Oral, S10)

Project PteroCount - an initiative towards the conservation of bats in South Asia

Joseph Reginald Louis, Sanjay Molur (India), Shahroukh Mistry (USA)

(Oral, S9)

Ecology of Bats of India: Synthesis for Future Directions

Joseph Reginald Louis, Riki Krishnan, Pramod Padmanabhan, Sanjay Molur (India)

(Oral, Conservation)

How did bat parasites evolved to successfully adapt to their hosts?

Sofia Lourenço, Jorge M. Palmeirim (Portugal)

(Oral, S10)

Effect of weather on the timing of reproduction and reproductive success in a colony of Daubenton's bats (*Myotis daubentonii*)

Lučan Radek K., Hanák Vladimír (Czech Republic)

(Oral, Ecology)

One bushman and two quasi-villagers: roost selection in three cryptic whiskered bats (*Myotis alcaethoe*, *Myotis mystacinus* and *Myotis brandtii*)

Lučan Radek K., Bartonička Tomáš, Březinová Tereza, Jahelková Helena, Šálek Martin, Vlasatá Tereza (Czech Republic)

(Oral, Ecology)

Spatial activity and diet of Egyptian fruit bats (*Rousettus aegyptiacus*) on Cyprus: does conservation of the only European megabat depends on supporting alien plants?

Lučan Radek K., Bartonička Tomáš, Čížek Martin (Czech Republic), Nicolaou Haris (Cyprus), Jedlička Petr, Řeřucha Šimon, Šálek Martin, Horáček Ivan (Czech Republic)

(Oral, S14)

Elliptic Fourier Descriptors (EFDs) discriminate the echolocation calls of myotid bats

Mathieu Lundy (United Kingdom), Emma Teeling, Emma Boston (Ireland), David Scott (United Kingdom), Daniel Buckley (Ireland), P. Prodahl (United Kingdom), Ferdia Marnell (Ireland), Ian Montgomery (United Kingdom)

(Oral, Ecology)

Climate change linked range expansion of *Nathusius pipistrelle* bat

Mathieu Lundy, Ian Montgomery, Jon Russ (United Kingdom)

(Oral, Ecology)

From crevice to edge? - Ecology of *Myotis brandtii* in a landscape cultivated by man

Lustig Anika, Schorcht Wigbert, Zahn Andreas (Germany)

(Oral, S14)

Insectivorous bat activity in habitats with water bodies in central and south Mexico

MacSwiney G., M. Cristina, Guillén-Servent A. (Mexico)

(Oral, S12)

Future scenarios caused by climate change on bat species from the Brazilian Cerrado: what if the species are not able to move?

Ricardo Bomfim Machado, Ludmilla Moura de Souza Aguiar (Brazil)

(Oral, Conservation)

Habitat and Morphology of Embellonurids of Pakistan

Muhammad Mahmood-ul-Hassan, Arshad Javed, Sana Ashraf (Pakistan)

(Oral, Morphology)

Advances of the Colombian chiropterology, biodiversity, ecology, and conservation

Hugo Mantilla-Meluk, Robert J. Baker (USA), Alex Mauricio Jiménez (Mexico)

(Oral, S15)

Control of livestock paralytic rabies in eastern Mexico: an innovative scientific research-based approach

Manzano-Martínez Dolores, Aguilar-Setién Alvaro, Aréchiga-Ceballos Nidia, Avila-Flores Rafael De Vega Alfonso, Medellín Rodrigo A., Suzán Gerardo, Zarza Heliot (Mexico)

(Oral, S17)

Availability of food for frugivorous bats in Neotropical rainforests: the influence of flooding and of river banks

J. Tiago Marques, Maria João Pereira, Jorge M. Palmeirim (Portugal)

(Oral, S11)

Development of vocalization and social communication in a free-ranging nursing colony of the Lesser Roundleaf bat, *Hipposideros turpis*

Sumiko Matsumura (Japan)

(Oral, S13)

Physiological ecology of migration and stopover in North American tree bats

McGuire Liam P., Fenton M. Brock, Guglielmo Christopher G. (Canada)

(Oral, S8)

Roads and bats: landscape, road features and bat ecology effects on road kills and activity

Medinas Denis, Marques Tiago, Mira António (Portugal)

(Oral, S14)

The effect of bark beetle infestation and salvage logging on bat activity

Milenka Mehr, Roland Brandl, Thomas Kneib, Jörg Müller (Germany)

(Oral, Conservation)

'When and where'? Decisions of foraging bats in a forest landscape various among foraging groups

Milenka Mehr, Hans-Joachim Klemmt, Hans Pretzsch, Roland Brandl, Jörg Müller (Germany)

(Oral, Ecology)

Species-specific barrier effects of a motorway on the habitat use of two endangered bat species and the role of connecting elements

Markus Melber, Gerald Kerth (Germany)

(Oral, S14)

Emerging infectious diseases as an opportunity for bat conservation

McCracken Gary, F. (USA)

(Oral, S17)

Bat-fruit interactions in the Neotropics: cohesive and resilient subsystems within seed dispersal networks

Mello Marco (Germany), Marquitti Flavia, Guimaraes Paulo (Brazil), Kalko Elisabeth (Germany, Panama), Jordano Pedro (Spain), Aguiar Marcus (Brazil)

(Oral, S11)

Small bats disperse large seeds: re-evaluating the seed dispersal service of Neotropical bats

Melo Felipe, Rodriguez-Herrera Bernal, Chazdon Robin, Medellin Rodrigo, Ceballos Gerardo

(Oral, S11)

25 years of bat monitoring in Bavaria/Germany - population trends and future tasks

Meschede Angelika (Canada), Hammer Matthias, Zahn Andreas, Rudolph Bernd-Ulrich (Germany)

(Oral, S9)

Role of FoxP2 expression in the control of vocalizations in echolocating and non-echolocating bats

Metzner Walter (USA), Zhang Shuyi (China)

(Oral, S3)

An assessment of the suitability of tropical bats for long-term monitoring

Meyer Christoph, Aguiar Ludmilla, Aguirre Luis, Baumgarten Julio, Clarke Frank, Cosson Jean-François, Estrada Villegas Sergio, Fahr Jakob, Faria Deborah, Furey Neil, Henry Mickaël, Hodgkison Robert, Jenkins Richard, Jung Kirsten, Kingston Tigga, Kunz Thomas, MacSwiney Gonzalez Cristina, Moya Isabel, Patterson Bruce, Pons Jean-Marc, Racey Paul, Rex Katja, Sampaio Erica, Solari Sergio, Stoner Kathryn, Voigt Christian, von Staden Dietrich, Weise Christa, Kalko Elisabeth

(Oral, S9)

Aerodynamic performance of flapping bat flight using time-resolved wake visualization

Florian T. Muijres, L. Christoffer Johansson, Anders Hedenström (Sweden)

(Oral, S7)

Male greater sac-winged bats gain fitness benefits in larger colonies

Nagy Martina, Knoernschild Mirjam, Voigt Christian C., Mayer Frieder (Germany)

(Oral, S13)

Habitat and breeding roost selection by *Myotis bechsteinii* (Kuhl, 1818). What limits the species distribution in the Mediterranean range?

María Napal, Inazio Garin, Urtzi Goiti, Egoitz Salsamendi, Joxerra Aihartza (Spain)

(Oral, Ecology)

From revision of red list to bat biodiversity monitoring: procedures, first results, and projections

Martin K. Obrist, Fabio Bontadina, Thierry Bohnenstengel, Pascal Moeschler, Hubert Krättli

(Switzerland)

(Oral, S9)

Geographic variation in echolocation calls of the endemic Cape Horseshoe bat, *Rhinolophus capensis*

Odendaal Lizelle Janine, Jacobs David Steven (South Africa)

(Oral, S2)

Bat-frog interactions: Learning, categorization and memory

Page Rachel A. (Panama)

(Oral, S2)

Exposure of bats to endocrine disrupting chemicals at sewage treatment works

Park Kirsty J, CT Müller (United Kingdom), S Markman (United Kingdom, Israel), O Swinscow-Hall,

D Pascoe (United Kingdom), K Buchanan (United Kingdom, Australia)

(Oral, S14)

The conundrum of limb motion - echolocation linkage. Nice idea but where's the evidence?

Parsons Stuart, Riskin Daniel, Hermanson John (New Zealand, USA)

(Oral, S7)

Materials for Atlas of Bats (Chiroptera) of Montenegro

Paunović Milan, Karapandža Branko (Serbia), Ivanović Čeda, Ždravlević Maša, Đurović Marina

(Montenegro), Presetnik Primož (Slovenia)

(Workshop 1)

Disease investigations in Straw Coloured Fruit Bats (*Eidolon helvum*) in the Gulf of Guinea islands

Peel, Alison J., Fernández Loras, Andrés, Baker, Kate S., Hayman, David T.S., Kamins, Alexandra,

Rossiter, Stephen J., Sargan, David R., Cunningham, Andrew A., Wood, James L.N (United Kingdom)

(Oral, S17)

The importance of ecological, physiological and phylogeographical factors to explain parasite distribution among hosts: an example with Spinturnicid mites and their bat hosts

Philippe Christe, Olivier Glaizot, Nadia Bruyndonckx, Raphaël Arlettaz (Switzerland)

(Oral, S10)

Variation in candidate genes for cranial evolution in phyllostomid bats

Phillips Caleb, Mantilla Hugo, Baker, Robert (USA)

(Oral, S6)

Detection of emerging viruses in bat guano

Poon, L.L.M., Chu, D.K.W., Peiris, J.S.M. (Hong Kong)

(Oral, S17)

Using stable isotopes to trace bat migrations in Europe

Popa-Lisseanu, Ana G., Voigt, Christian C. (Germany)
(Oral, S8)

Restricted gene flow is required for sensory speciation in bats

Sebastien J. Puechmaille (Ireland), Meriadeg AR Gouilh (France), Medhi Yobukol, Piyathip Piiyapan (Thailand), Khin Mie Mie (Myanmar), Paul J. Bates United Kingdom, Eric J. Petit (France), Iain J. Mackie (United Kingdom), Emma C. Teeling (Ireland)
(Oral, S4)

Population history of *Craseonycteris thonglongyai*

Sebastien J. Puechmaille (Ireland), Meriadeg AR Gouilh (France), Medhi Yobukol, Piyathip Piiyapan (Thailand), Khin Mie Mie (Myanmar), Paul J. Bates United Kingdom, Eric J. Petit (France), Iain J. Mackie (United Kingdom), Emma C. Teeling (Ireland)
(Oral, S6)

Recurring fires in Mediterranean habitats and their impact on bats

Xavier Puig-Montserrat, Carles Flaquer, Ruth G. Ràfols, Adrià L. Baucells (Spain)
(Oral, S14)

The Potential Threat of White Nose Syndrome to European Bats: An Action Plan

Racey Paul (United Kingdom) on behalf of the White Nose Syndrome Consortium
(Oral, S1)

Food Transfer By Mother To Pup In The Indian False Vampire Bat, *Megaderma lyra*

H. Raghuram, G. Marimuthu (India)
(Oral, Ecology)

The importance of distance variables in the modelling of bat foraging habitat

Ana Rainho, Jorge M. Palmeirim (Portugal)
(Oral, S14)

Latitudinal diversity gradients in New World bats: are they a consequence of niche conservatism?

Ramos Pereira, Maria Joao; Palmeirim, Jorge M. (Portugal)
(Oral, S12)

Movement ecology of GPS-tracked Egyptian fruit bats (*Rousettus aegyptiacus*): Bats as long-distance dispersal vectors of seeds

Nathan Ran, Asaf Tsoar, David Shohami, Bartan Yoav, Altstein Ofir, Ulanovsky Nachum (Israel)
(Oral, S8)

Spread your wings and fly: behavioural flexibility and niche breadth in a depauperate bat community

Ratcliffe John (Denmark), McMillan Reese (Canada); Tanner Jaime (USA); Fullard James (Canada)
(Oral, S2)

Linking habitat loss and bat decline: the conservation biology of the grey long-eared bat in England

Razgour Orly, Jones Gareth (UK)
(Oral, S14)

Where is my bat? Ground-validation of presence-only modelling and its integration with molecular techniques for the conservation of rare species

Rebelo Hugo (United Kingdom, Portugal), Froufe Elsa, Ferrand Nuno (Portugal), Jones Gareth (United Kingdom)
(Oral, S12)

How hot is my home: Temperature of different types of tents

Rodriguez-Herrera Bernal, Viquez-R Luis R (Costa Rica)
(Oral, Ecology)

Hearing genes: insights from phylogenetic discordance

Rossiter Stephen (United Kingdom), Liu Yang (China), Li Gang (USA), Cotton James (United Kingdom), Jones Gareth (USA), Zhang Shuyi (China)
(Oral, S6)

Concept learning in the nectar feeding bat *Glossophaga soricina*

Ross Georgina, Holderied Marc (United Kingdom)
(Oral, Behavior)

Does hibernation affect memory retention for a spatial foraging task in bats?

Ireneusz Ruczyński (Germany, Poland), Björn Siemers (Germany)
(Oral, S2)

Speciation and taxonomy in bats: challenges

Manuel Ruedi (Switzerland), Petr Benda (Czech Republic)
(Oral, S4)

Hypothesis testing in genetic demography: using multilocus data to reconstruct evolutionary history

Amy L. Russell, Murray P. Cox, Veronica A. Brown, Gary F. McCracke (USA)
(Oral, S6)

Assessing short-term extinction risks using genetic simulation analyses

Amy L. Russell (USA)
(Oral, S5)

Reconsidering the importance of harvested forests for the conservation of tree-dwelling bats

Russo Danilo (Italy, UK), Cistrone Luca, Garonna Antonio Pietro (Italy), Jones Gareth (UK)
(Oral, S14)

Is fixation of chromosomal rearrangements mediated by social structure? Perspectives from the Peter's tent-roosting bat, *Uroderma bilobatum*

Sagot Maria, Phillips Caleb, Stevens Richard, Baker Robert (USA)
(Oral, S4)

Deep differentiation between and within Mediterranean glacial refugia in the *Myotis nattereri* bat

Salicini Irene, Ibáñez Carlos, Juste Javier (Spain)
(Oral, S4)

What influence the selection of foraging sites in rhinolophids?

Salsamendi Egoitz, Arostegui Inmaculada, Aihartza Joxerra, Almenar David, Goiti Urtzi, Garin Inazio (Spain)
(Oral, Behavior)

Switching gears: The evolution of plasticity in feeding behavior and performance in phyllostomids

Sharlene E. Santana, Elizabeth R. Dumont (USA)
(Oral, S11)

Bat's exploitation of cities: the importance of spatial and environmental variables

Sattler, Thomas; Obrist, Martin K.; Arlettaz, Raphaël; Moretti, Marco; Bontadina, Fabio (Switzerland)
(Oral, S14)

Beyond echolocation: bats as models for acoustic communication

Sabine Schmidt (Germany)
(Oral, S3)

Echolocating bats achieve high prey detection performance with broadband calls

Schmieder Daniela A. (Germany), Kingston Tigga (USA), Hashim Rosli (Malaysia), Siemers Björn M. (Germany)
(Oral, Ecology)

In memory of Gerhard Neuweiler: The auditory fovea, an adaptation for flutter detection in echolocating bats using CF-FM signals

Hans-Ulrich Schnitzler, Annette Denzinger (Germany)
(Oral, S3)

Environmental correlates of bat species richness in Central and southern Africa: effects of spatial structure, taxonomy and model selection

Schoeman, M. Corrie, Cotterill, F. D. P. (Woody), Taylor, Peter J. (South Africa), Monadjem, Ara (Swaziland)
(Oral, S12)

Gut capacity predicts geographic distribution in phyllostomid bats

Jorge E. Schondube, Jorge Ayala-Berdon, Enrique Martínez-Meyer (Mexico)
(Oral, S2)

The scanning behaviour of free ranging *Barbastella barbastellus*

Seibert Anna-Maria, Koblitz Jens C., Schnitzler Hans-Ulrich (Germany)
(Oral, Behaviour)

The bigger you are the harder you bite: linking form and function of forest interior insectivorous bats

Senawi Juliana (USA, Malaysia), Siemers Bjorn, Schmieder Daniela (Germany), Kingston Tigga (USA)
(Oral, Ecology)

The Quaternary fossil record of Bats in Spain: an update

Paloma Sevilla, Juan Manuel López-García (Spain)
(Oral, S1)

The sensory world of bats

Björn M. Siemers (Germany), Gareth Jones (United Kingdom)
(Oral, S3)

Blind as a Bat? Comparative Genomics Brings Light to the Evolution of Color Vision in Bats

Simoes Bruno. F. (Ireland), Zhao Huabin, Zhang Shuyi (China), Rossiter Stephen (United Kingdom), Teeling Emma C. (Ireland)
(Oral, S6)

Echo acoustic properties of bat-pollinated flowers and their recognition by glossophagine bats

Ralph Simon, Otto von Helversen (Germany)
(Oral, S3)

New data on the early Eocene bats of Vastan, India

Smith Thierry (Belgium), Rana Rajendra, Sahni Ashok, Kumar Kishor (India), Rose Kenneth (USA)
(Oral, S1)

Taxonomic researches of some Southeast Asian Horseshoe bats

Soisook Pipat, Nualcharoen Kwan, Dejtaradol Ariya (Thailand), Saveng Ith (Cambodia), Bumrungsri Sara, Satasook Chutamas (Thailand), Bates Paul (United Kingdom)
(Oral, Taxonomy and Distribution)

The evolution of high-frequency echolocation in horseshoe bats: moth hearing, body size or habitat?

Stoffberg Samantha, Jacobs David S., Matthee Conrad A. (South Africa)
(Oral, S2)

Should we standardize international English common names of bats?

Stoffberg Samantha, Hockey Philip A.R., Schoeman M. Corrie (South Africa)
(Oral, Taxonomy and Distribution)

Bats as inspiration for biomimetic robots

Surlykke Annemarie (Denmark)
(Oral, S16)

Adapting Echolocation call intensity and directionality to habitat and behavior

A. Surlykke, S. Brinkloev, L. Jakobsen (Denmark), E.K.V. Kalko (Germany), C. F. Moss (USA)
(Oral, S3)

Multi-spatial approach for monitoring and modeling bat rabies in Puebla México

Suzán Gerardo, Ávila-Flores Rafael, Carrasco Roberto, Rico Oscar, Zarza Heliot, Menchaca Angélica, Lacy Guillermo, Cortés Brenda, Manzano-Martínez Dolores, Loza-Rubio Elizabeth, Rojas Edith, Aréchiga-Ceballos Nidia, Medellín Rodrigo A. (Mexico)
(Oral, S17)

Mechanics of soft tissue wing structures and the flight of bats

Sharon Swartz, Jorn Cheney, Andrew Bearnot, Joseph Bahlman, Hannah Lippe, Daniel Riskin, Kenneth Riskin (USA)
(Oral, S7)

Results of the Indicator Bats (IbatsRo) programme in Romania between 2006-2009

Szodoray-Parádi Abigél (Romania), Jones Kate (United Kingdom), Szodoray-Parádi Farkas (Romania)
(Oral, S9)

Population genetics and conservation status of cryptic species: the case of European *Pipistrellus*

Sztencel-Jablonka Anna, Bogdanowicz Wieslaw (Poland)
(Oral, S6)

A Phylogeny of the Neotropical stenodermatine bats (Chiroptera: Phyllostomidae): putting the fossils in the context

Tavares, Valéria da C. (Brazil), Balseiro, F., Mancina, C. (Cuba)
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The diversity of Brazilian bats: an update with comments on species distribution and taxonomy

Tavares, Valéria da C., Gregorin, R. (Brazil)
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Cryptic species of horseshoe bats (Rhinolophidae) of the *R. hildebrandtii* complex in southern Africa

Taylor Peter, Stoffberg Samantha (South Africa), Monadjem Ara (Swaziland), Schoeman Corrie, Cotterill Woody (South Africa)
(Oral, S4)

Sensory escape from a predator-prey arms race: low amplitude biosonar beats moth hearing

ter Hofstede Hannah M., Goerlitz Holger R., Zeale Matt R. K., Jones Gareth, Holderied Marc W. (United Kingdom)
(Oral, S2)

Factors affecting the emergence times of several sympatric insectivorous bat species

Alicia Thomas, David Jacobs (South Africa)
(Oral, S2)

Some difficulties of using integrated approach in bat taxonomy

Mikhail P. Tiunov (Russia)
(Oral, Taxonomy and Distribution)

Convergent evolution in nectar-feeding phyllostomid bats: nectar lapping vs. nectar pumping

Tschapka Marco, González-Terrazas Tania P. (Germany)

(Oral, S2)

Movement ecology of GPS-tracked Egyptian fruit bats (*Rousettus aegyptiacus*): Unexpected foraging movements in a predictable heterogeneous landscape

Tsoar Asaf, Ulanovsky Nachum, Bartan Yoav, Altstein Ofir (Israel), Dell'Omo Giacomo (Italy),

Vyssotski Alexei L. (Switzerland), Nathan Ran (Israel)

(Oral, Ecology)

Task related flexibility in echolocation behaviour of *Noctilio leporinus*

Übernicker, Kirstin, Kalko, Elisabeth K.V. (Germany)

(Oral, S16)

GPS tracking of Egyptian fruit bats: First evidence for large-scale navigational map in a mammal

Nachum Ulanovsky, Asaf Tsoar, Yoav Bartan, Ofir Altstein (Israel), Giacomo Dell'Omo (Italy), Alexei L. Vyssotski (Switzerland), Yossi Yovel, Ran Nathan (Israel)

(Oral, S8)

A comparison of genetic population structure in two bat host-parasite systems

van Schaik, A.J., Kerth, G. (Germany)

(Oral, S10)

Combined analyses of extant and fossil "phyllostomine" bats (Chiroptera, Phyllostomidae)

Velazco Paúl M., Simmons Nancy B., Smits Peter D., Tsang Susan, Dávalos Liliana M. (USA)

(Oral, S15)

Studying flight energetics in-situ using field deployable stable isotope analyzers

Voigt Christian C., Lewanzik Daniel

(Oral, S7)

Do Bats Jazz? Song composition and syntax in the song of the common noctule bat

Silke L. Voigt-Heucke, J. Ansgar Thode, Silke Kipper (Germany)

(Oral, S13)

Sibling species of *Rhinolophus luctus* from Peninsular Malaysia detected by karyological analysis

Volleth Marianne, Mayer Frieder (Germany), Loidl Josef (Austria), Yong Hoi-Sen (Malaysia), Heller Klaus-Gerhard (Germany)

(Oral, S4)

The Trinity of Energy Conversion - Kinematics, Aerodynamics and Energetics of Bat Flight

von Busse Rhea (Germany), Johansson Christoffer, Muijres Florian (Sweden), Winter York (Germany), Hedenström Anders (Sweden)

(Oral, S7)

Gallery forests boost bat diversity in southern Mali, West Africa

Weber Natalie (Germany), Granjon Laurent (Senegal), Fahr Jakob (Germany)

(Oral, Ecology)

Public attitudes towards bats in Switzerland: How they are affected by experience and knowledge

Weinberger Irene C., Home Robert (Switzerland)

(Oral, S14)

Geographic distribution of parasites of the insectivorous bat, *Miniopterus natalensis* (Chiroptera: Miniopteridae), in South Africa

Wood Simon, Jacobs David, Junker Kerstin (South Africa)

(Oral, Taxonomy and Distribution)

Foraging activity of Central European bats in winters of varying severity ? A study dedicated to the memory of Prof. Gerhard Neuweiler who long encouraged ecological research in endangered European bats

Andreas Zahn, Eva Kriner, Robert Mayer (Germany)
(Oral, S3)

DNA-based diet analysis of insectivorous bats

Zeale Matt RK, Butlin Roger K, Barker Gary LA, Jones Gareth (United Kingdom)
(Oral, S6)

Barbed wire fences and Hawaiian hoary bats: what we know

Zimpfer Jeff, Bonaccorso Frank (USA)
(Oral, S14)

Impacts of Various Factors on Population Status & Movement of Egyptian fruit Bat (*Rousettus aegyptiacus*) in Iran

Hossein Zohoori, Bahram H.Kiabi, Kouros Kavousi (Iran)
(Oral, S8)

POSTER PRESENTATIONS

New data on piscivory in *Myotis capaccinii*

Aizpurua, Ostaizka Odriozola, Iñaki Almenar, David Aihartza, Joxerra Garin, Inazio (Spain)
(Poster, Ecology)

Distribution and abundance of cave-dwelling bats in Fars province, Iran: implication to bat conservation

Akmali Vahid, Sharifi Mozafar, Darvish Jamshid, Esmaeili Rineh Somayeh (Iran)
(Poster, Taxonomy and Distribution)

First confirmed record of parti-colored bat (*Vespertilio murinus*) in the Pyrenees

Alberdi Antton Aizpurua, Ostaizka Garin Inazio, Aihartza Joxerra (Spain)
(Poster, Taxonomy and Distribution)

Molecular systematics of the family Molossidae based on nuclear and mitochondrial genes

Ammerman Loren, Lee Dana, Tipps Marie (USA)
(Poster, S6)

Diseases of UK bats

Tom August, Mathews Fiona, Nunn Miles (United Kingdom)
(Poster, S17)

Greenbridges as crossovers for bats

Bach Lothar, Bach Petra (Germany)
(Poster, S14)

Bat activity in different strata of a beech forest in Northwest Germany

Bach Lothar, Bach Petra, Tillmann Manfred (Germany)
(Poster, Ecology)

Abandoned old mines in the Central Slovakia: Important bat hibernation sites

Bačkor Peter (Slovakia)
(Poster, S9)

***Pipistrellus kuhlii*: further range extension in Ukraine**

Bashta Andriy-Taras (Ukraine)

(Poster, Taxonomy and Distribution)

Prehibernation habitat use, shelter selection and movements by Greater mouse-eared bat (*Myotis myotis*)

Berková Hana, Pokorný Martin, Zukal Jan (Czech Republic)

(Poster, S8)

Capture success and efficiency of trawling bats

Marko Böhm, Jorge A. Encarnação (Germany)

(Poster, Ecology)

Behavioural evidence for olfactory species discrimination in temperate bats

Ivailo Borissov (Bulgaria, Germany), Maïke Schuchmann, Leonie Baier, Sara Troxell, Björn M. Siemers (Germany)

(Poster, Behavior)

Obstacle avoidance in *Eptesicus fuscus* with increasing degree of difficulty

Sonja Braun, Melanie Hüpkes, Hans-Ulrich Schnitzler, Annette Denzinger (Germany)

(Poster, S3)

Tree surfing: The phylogeography of the woodland specialist, *Myotis mystacinus* (whiskered bat) in Ireland

Buckley, Daniel J., Boston, Emma S.M. (Ireland), Lundy, Mathieu G. (United Kingdom), Scott, David D., Marnell, Ferdia, Peuchmille, Sebastien (Ireland), Ruedi, Manuel (Switzerland), Altringham, John D., Jan, Camille, Glover, Anita (United Kingdom), Kruskop, Sergei V. (Russia), Montgomery, W. Ian, Prodöhl, Paulo (United Kingdom), Teeling, Emma C (Ireland)

(Poster, Taxonomy and Distribution)

Enriching agroecosystems with fruit-producing tree species favors bat abundance and richness in Veracruz, Mexico

Castro-Luna, Alejandro A., Galindo-González Jorge (Mexico)

(Poster, S14)

Conservation of Bats in Hong Kong

Chan Sze-man Cynthia (Hong Kong)

(Poster, Conservation)

New data about bat hibernation sites on the north-west of Russia

Dmitriy V. Chistyakov, Svetlana V. Bogdarina (Russia)

(Poster, Ecology)

Habitat use by bats in anthropogenically transformed mosaic landscape of northern Poland

Mateusz Ciechanowski (Poland)

(Poster, S14)

Can bats count?

Theresa Clarin, Adriana Dorado, Björn M. Siemers (Germany)

(Poster, Behavior)

The Community Structure of Cave-dwelling Bat Populations in Yildiz Mountains, Turkish Thrace

Emrah Çoraman, Andrzej Furman (Turkey)

(Poster, Conservation)

Natura 2000 - proposal of protected areas for bats in Croatia

Maja Đaković, Igor Pavlinić (Croatia)

(Poster, Taxonomy and Distribution)

Evolution of nectarivory in phyllostomid bats (Phyllostomidae Gray, 1825, Chiroptera: Mammalia)

Thomas Datzmann, Otto von Helversen, Frieder Mayer (Germany)
(Poster, S2)

When size matters: the influence of competition on bat body size

Delcros G., Taylor P. J., Schoeman, M. C. (South Africa)
(Poster, S2)

Low genetic diversity in the last surviving population of Mehely's horseshoe bat, *Rhinolophus mehelyi* from Romania

Anca Dragu (Romania), Federico Abascal (Spain), Ivailo Borissov (Bulgaria), Rafael Zardoya (Spain)
(Poster, Conservation)

Energy and nutritional demands in *Hipposideros bicolor* 142kHz (Bicolored Roundleaf Horseshoe Bat); giving birth right on time

Elias, Nurul Ain (USA), Hashim, Rosli (Malaysia), Kingston, Tigga (USA)
(Poster, Ecology)

Why do bats fly far for dinner?

Jorge A. Encarnação, Nina I. Becker, Klemens Ekschmitt (Germany)
(Poster, Behavior)

Mites, Males and Members - Parasitism in Daubenton's bats

Jorge A. Encarnação (Germany)
(Poster, S10)

Trophic Discrimination may obscure Spatial Information in Stable Hydrogen Isotope Ratios of Bat Hair

Anna Erzberger, Ana Popa-Lisseanu, Christian C. Voigt (Germany)
(Poster, Ecology)

Tadovan Cave a living ecosystem in Iran for study of bats

Esmaeili Rineh Somayeh, Akmal Vahid, Sharifi Mozafar (Iran)
(Poster, Taxonomy and Distribution)

Farmers encouraging bat conservation to fight the striped rice borer (*Chilo suppressalis*) pest: an example to follow

Carles Flaquer (Spain), Emilio Guerrieri, Maurilia Monti (Italy), Ruth G. Ràfols, Xavier Ferrer, David Gisbert, Ignacio Torre, Xavier Puig-Montserrat, Antoni Arrizabalaga (Spain)
(Poster, S9)

Activity and roosting ecology of *Miniopterus schreibersii* and *Rhinolophus euryale* mixed colony in a cave near Zagreb: improving current bat monitoring and cave management

Norma Fressel, Petra Žvorc, Marina Kipson, Vida Zrnčić, Daniela Hamidović (Croatia)
(Poster, S1)

Maternity roosts and behaviour of the Ussurian tube-nosed bat *Murina ussuriensis*

Fukui Dai, Hill David A., Matsumura Sumiko (Japan)
(Poster, Behavior)

Molecular phylogeny and evolution of diets of the family Phyllostomidae (Order Chiroptera)

Yann Gager, Fidel Botero, Emmanuel Douzery (France)
(Poster, Taxonomy and Distribution)

Evolution of diets in Phyllostomidae: a contribution based on molecular phylogeny data

Yann Gager, Fidel Botero, Emmanuel Douzery (France)
(Poster, S2)

A more efficient technique to collect seeds dispersed by bats

Galindo-González Jorge, Vázquez-Domínguez Guillermo, Saldaña-Vázquez Romeo A., Hernández-Montero Jesús R. (Mexico)
(Poster, S11)

A new morphological form of whiskered bat in the Caucasus

Suren V. Gazaryan (Russia)
(Poster, Taxonomy and Distribution)

Spatial and temporal resolution of bat sonar

Geberl Cornelia, Wiegrebe Lutz (Germany)
(Poster, S3)

Hotspots of bat migration at lentic and lotic waters

Gerges Michaela, Zeus Veronika, Zahn Andreas (Germany), Reiter Guido (Austria)
(Poster, S8)

Signal design of the sonar clicks of Egyptian fruit bats

Maya Geva, Yossi Yovel, Nachum Ulanovsky (Israel)
(Poster, S3)

Bat key underground sites in the Eastern Crimea (Ukraine): numbers, threats and future

Godlevska Lena, Ghazali Maria, Khokhlova Anna, Tyshchenko Volodymyr (Ukraine)
(Poster, Conservation)

Ukraine: workshop "Bats and man: conservation and epidemiological aspects"

Godlevska Lena (Ukraine), Lina Peter H. C. (The Netherlands)
(Poster, Conservation)

Echolocation behaviour of the nectar-feeding bat *Leptonycteris yerbabuena* approaching natural and modified flowers

Gonzalez-Terrazas Tania P., Koblitz Jens, Tschapka Marco (Germany), Fleming Theodore H. (USA), Medellín Rodrigo (Mexico), Schnitzler Hans-Ulrich, Kalko Elisabeth K. V. (Germany)
(Poster, S11)

A new acoustic method to study the area expansion of *Pipistrellus kuhlii*

Görföl Tamás, Estók Péter, Zsebők Sándor (Hungary)
(Poster, S9)

Sensory specializations compromise bite force in bats

Stefan Greif (Germany), Anthony Herrel (France), Elisabeth R. Dumont (USA), Ivailo Borissov (Bulgaria), Björn M. Siemers (Germany)
(Poster, Morphology)

To buzz or not to buzz ? Intentional control of echolocation in drinking bats

Stefan Greif, Björn M. Siemers (Germany)
(Poster, S3)

Plasma testosterone levels decrease after activation of skin immune system in a free-ranging mammal

Greiner Sabine, Stefanski Volker, Dehnhard M., Voigt Christian C. (Germany)
(Poster, Behavior)

Assemblage of bats and ecological considerations in forest fragments in Southeastern Brazil

Renato Gregorin, Lívia Oliveira Loureiro (Brazil)
(Poster, S15)

Bat fauna primary inventory and monitoring using mist nets

Gukasova Alona, Vlaschenko Anton (Ukraine)
(Poster, S9)

Primitive and derived shoulder joints of Messel bats

Habersetzer Jörg, Schlosser-Sturm Evelyn (Germany)
(Poster, S1)

Bat fauna of Prague city

Vladimír Hanák, Jana Neckářová, Petr Benda, Vladimír Hanzal, Miloš Anděra, Ivan Horáček, Helena Jahelková, Anna Zieglerová, Dagmar Zieglerová (Czech Republic)
(Poster, Ecology)

The bat fauna of Mé Auré Cave, Moindou, New Caledonia: evidence of human consumption and a new species record from the recent past

Hand Suzanne J. (Australia), Grant-Mackie Jack A. (New Zealand)
(Poster, S5)

Bats that walk: a new evolutionary hypothesis for the terrestrial behaviour of New Zealand's endemic mystacinids

Hand Suzanne J. (Australia), Weisbecker Vera (United Kingdom, Germany), Beck Robin M.D. (USA), Archer Michael, Godthelp Henk (Australia), Tennyson Alan J.D. (New Zealand), Worthy Trevor H. (Australia)
(Poster, S2)

Tell me what you eat, and I'll tell you what you are - Trophic niche comparison between *Myotis dasycneme* and *Myotis daubentonii*

Inka Harms, Frauke Krüger, Robert Sommer (Germany)
(Poster, Ecology)

To the Bat fauna of bozdags (grey hills) within the Greater Caucasus

Hasanov Nijat, Abdurahmanova Nijar (Azerbaijan)
(Poster, Ecology)

Conserving Bats in Partnership: The Birth of BatLife Europe

Haysom Karen A., Parsons Katie N., Hanmer Julia (United Kingdom)
(Poster, Conservation)

Bats may be carriers of *Campylobacter*

Hazeleger Wilma C., Jacobs-Reitsma Wilma F., Bergen Marcel van, Lina Peter H.C., Bosch Thijs, Beumer Rijkelt R. (The Netherlands)
(Poster, S17)

Perception of an object's spatial extent in the echo-acoustic imaging of bats

Heinrich Melina, Warmbold Alexander, Hoffmann Susanne, Firzlaff Uwe, Wiegrebe Lutz (Germany)
(Poster, S3)

Molecular phylogeny of African "pipistrelle" bats (Chiroptera: Vespertilionidae) suggests new clades, rearrangement of genera, and extensive cryptic diversity within species

Helbig, Maria, Datzmann, Thomas, Mayer, Frieder, Fahr, Jakob (Germany)
(Poster, S4)

Looking at baculum function from a histomorphological perspective

Herdina Anna Nele, Plenk Hanns Jr., Pokorny Petra, Hilgers Helge, Herzig-Straschil Barbara, Metscher Brian D. (Austria)
(Poster, Morphology)

Take care and keep in touch! Constrains in the roost-site selection of tree-dwelling Bechstein's bat

Hohti Peter, Čeluch Martin, Danko Štefan, Kaňuch Peter (Slovakia)
(Poster, Ecology)

Aggregated roosting of males in *Myotis myotis*

Horáček Ivan, Lučan Radek, Porteš Michal

(Poster, Ecology)

Distribution and chorologic status of the Mediterranean fruit bats, *Rousettus aegyptiacus*

Horáček Ivan, Benda Petr, Hulva Pavel (Czech Republic), Bilgin Rasit (Turkey), Abi-Said Mounir, Karanouh Rena (Lebanon), Asan Nursel, Albayrak Irfan, Karatash Ahmed (Turkey), Nicolaou Haris (Cyprus), Bartonička Tomáš, Lučan Radek (Czech Republic)

(Poster, Workshop 3)

Bats in the National Parks Thayatal and Podyjí

Ulrich Hüttmeir (Austria), Reiter Antonin (Czech Republic), Reiter Guido (Austria)

(Poster, Taxonomy and Distribution)

Phylogeography of *Miniopterus schreibersii schreibersii* and *M. s. pallidus* in Asia Minor as inferred from climate modelling predictions

Elif Icagasioglu, Andrzej Furman (Turkey)

(Poster, Ecology)

Ultrasound attenuation and bat detection in tropical rainforest canopies

Inkster Tamara, Williams Stephen, Robson Simon (Australia)

(Poster, S3)

Community Structure of the bat fauna of the Black River State Park

José Bosco Isaac Junior, Érico Ribeiro Hugo (Brazil)

(Poster, S15)

The variability of echolocation and social calls of cryptic pipistrelles across Western Palaearctic

Jahelková Helena (Czech Republic), Georgiakakis Panagiotis (Greece), Demetropoulos Simon (Cyprus), Bartonička Tomáš, Lučan Radek, Horáček Ivan (Czech Republic), Nicolaou Haris (Cyprus), Lymperakis Petros (Greece), Hulva Pavel (Czech Republic)

(Poster, Taxonomy and Distribution)

Social calls and behaviour of *Rousettus aegyptiacus*: first results

Jahelková Helena, Vašíčková Pavla (Czech Republic)

(Poster, Behavior)

Unusual social calls of *Pipistrellus nathusii* recorded in May and June

Jahelková Helena (Czech Republic)

(Poster, Behavior)

BAARA Biological Automated Radiotelemetry system: new technology in ecological field studies

Jedlička P., Čížek M., Řeřucha Š., Bartonička T. (Czech Republic)

(Poster, Ecology)

Adaptability of Neotropical aerial insectivorous bats to urbanization

Jung, Kirsten (Germany), Kalko, Elisabeth K. V. (Germany, Panama)

(Poster, S14)

Social behavior and vocalization of two cryptic bat species (*Pipistrellus pipistrellus*, *Pipistrellus pygmaeus*) in the vicinity of their hibernaculum

Klebanová L., Bartonička T., Reiter A. (Czech Republic)

(Poster, Ecology)

Practical Protection of Bats in Košice (Eastern Slovakia)

Korytár Ľuboš, Ondrejková Anna, Ondrejka Róbert, Beníšek Zdenek, Prokeš Marián, Slepěcká Eva, Súli Judit, Fulín Miroslav (Slovakia)

(Poster, Conservation)

Genetic diversity of vespertilionid bats from Western Africa - preliminary results

Koubínová Darina (Czech Republic), Irwin Nancy (United Kingdom), Hulva Pavel, Zima Jan (Czech Republic)
(Poster, Taxonomy and Distribution)

Bat fauna research of Paklenica National Park with special emphasis on altitude distribution
Dina Kovač, Željka Drdar, Dania Randi, Darija Josić, Daniela Hamidović (Croatia)
(Poster, S1)

Basal metabolic rate of male Daubenton's bats in relation to microclimate, habitat location and group size
Krafft, Moritz, Becker, Nina I., Kalko, Elisabeth K.V., Encarnacao, Jorge A (Germany).
(Poster, Ecology)

On the taxonomic position of *Pipistrellus stenopterus*
Sergey Kruskop (Russia)
(Poster, S4)

Roost fidelity and dispersal in short nosed fruit bat *Cynopterus sphinx*
Kumaravel A Vinoth Kumar, Devaraj Paramanantha Swami Doss, Chattopadhyay Balaji, Kandula Sripathi (India)
(Poster, Behavior)

Ectoparasites of Nectar-feeding Bats (*Erophylla sezekorni* and *Monophyllus redmani*) on Puerto Rico
Allen Kurta, John O. Whitaker, Jr. , Brian Schaez¹, Olivia Münzer (USA)
(Poster, Ecology)

Surveillance project: EBLVs in bats in Finland
Kyheröinen Eeva-Maria, Lilley Thomas, Huovilainen Anita, Laine Veronika, Nokireki Tiina, Jakava-Viljanen Miia (Finland)
(Poster, Ecology)

Genetic structure of Daubenton's bat (*Myotis daubentonii*) populations from Finland - Possible effects of organic tin compounds
Laine Veronika, Lilley Thomas, Primmer Craig (Finland)
(Poster, Conservation)

Variation in Declines of Six Hibernating Bat Species from White-Nose Syndrome in Eastern North America
Langwig Kate E., Frick Winifred F., Hicks Alan C., Herzog Carl J., Kunz, Thomas H. (USA)
(Poster, Conservation)

“A peculiar bat”: are environment-specific adaptations of the New Zealand short-tailed bat (*Mystacina tuberculatus*) associated with changes to conserved genetic sequences?
Darren Le Roux, Claire Mulholland, Joseph Waas & Richard Wilkins (New Zealand)
(Poster, S6)

Maximum glucocorticoid levels vary with feeding habit and habitat seasonality in two phyllostomid species
Lewanzik Daniel J., Kelm Detlev H., Greiner Sabine, Dehnhard Martin, Voigt Christian C. (Germany)
(Poster, S2)

The complement pathway and oxidative parameters of Daubenton's bats, possible effects organic tin contamination
Lilley Thomas, Stauffer Janina, Kanerva Mirella, Hiitola Tatu, Veronika Laine, Nikinmaa Mikko (Finland)
(Poster, Ecology)

Rabies and bat conservation in Europe
Lina Peter H.C. (The Netherlands)

(Poster, S17)

New evidence for Barbastelle's bat (*Barbastella barbastellus*) in the latest Pleistocene of Northeastern Iberia

Juan Manuel López-García, Paloma Sevilla, Sandra Bañuls (Spain)

(Poster, S1)

The Sympatry of *Miniopterus schreibersii schreibersii* and *Miniopterus schreibersii pallidus* in Three Caves: The Smoking Gun for their Elevation to Full Species Status

Öncü Maracı, Rasit Bilgin (Mexico), Radek K. Lučan, Tomáš Bartonička, Pavel Hulva, Ivan Horáček (Czech Republic)

(Poster, S4)

Cranial morphological diversity of common vampire bat (*Desmodus rotundus*) in Central and South America

Martins, Felipe & Hubbe, Mark

(Poster, Taxonomy and Distribution)

Flight activity of migratory bats on Estonian coasts

Masing Matti (Estonia)

(Poster, S8)

Dispersal of *Eumops* into the Greater Antilles: Impacts of Pleistocene Sea Level Fluctuations

McDonough, M. M., Anwarali, F. A., Ammerman, L. K., Baker, R. J. (USA)

(Poster, Taxonomy and Distribution)

Bat diversity at Panguana Biological Station, Peru - 25 years ago and now

Meschede Angelika (Canada), Velazco Sandra (Peru), Diller Juliane (Germany), Pacheco Víctor (Peru)

(Poster, S15)

Current and potential distribution of Bavarian bats - effect of landscape and climate

Meschede Angelika, Krahe Rüdiger (Canada), von Helvesen Otto (Germany)

(Poster, S12)

Recent fragmentation of a panmictic population of *Nyctinomops laticaudatus* (Chiroptera: Molossidae) in Yucatan, Mexico

Morales-Garcia Ariadna E., Pinero Daniel (Mexico)

(Poster, S6)

Structure of a bat assemblages in different landscapes in a high elevation area in Southeastern Brazil

Moras Ligiane Martins, Gregorin Renato (Brazil)

(Poster, S15)

The Bechstein's bat survey project: mapping the UK distribution of this rare species

Miller Helen, Hill David, Greenaway Frank (United Kingdom)

(Poster, Conservation)

Assemblage of bats and ecological considerations in forest fragments in Southeastern Brazil

Livia Oliveira Loureiro, Gregorin Renato (Brazil)

(Poster, S15)

Phylogeography of *Musonycteris harrisoni* along the Pacific coast of Mexico

Ortega Jorge (Mexico), Tschapka Marco (Germany), González-Terrazas Tania, Suzán Gerardo, Medellín Rodrigo (Mexico)

(Poster, S6)

Roosting and reproductive ecology of the *Plecotus macrobullaris* and *P. kolombatovici*

Igor Pavlinić, Maja Đaković (Croatia)

(Poster, Ecology)

Mating system, swarming behavior and testosterone levels in a hibernating bat (*Myotis myotis*) from the temperate zone

Pfeiffer Burkard (Germany), Schwarzenberger Franz (Austria), Mayer Frieder (Germany)

(Poster, Behavior)

Role of Anthropogenic Disturbance in the Emergence of Zoonotic Diseases Associated with Cave-Roosting Bats

Kendra L. Phelps, Kevin J. Olival and Tigga Kingston (USA)

(Poster, S14)

Prevalence of Spinturnicidae, Ixodidae and Argasidae in bats during spring and fall swarming (Southern Poland)

Krzysztof Piksa, Anna Bojar, Kinga Niedosiał (Poland)

(Poster, S10)

Distribution pattern of hibernating bats in caves along Carpathians elevation gradient (Poland)

Krzysztof Piksa, Jakub Nowak (Poland)

(Poster, S12)

Modularity and the evolutionary flexibility of the skull of chiropterans.

Porto A., Rossoni, D.M., Marroig, G. (Brazil)

(Poster, Morphology)

***Miniopterus schreibersii* - what is this cave-roosts flagship species doing in church attics?**

Presetnik Primož, Podgorelec Monika (Slovenia)

(Poster, S1)

Conservation status of bats of the island of São Tomé (Gulf of Guinea)

Ana Rainho, Christoph F. J. Meyer, Sólveig Thorsteindóttir, Jorge M. Palmeirim (Portugal)

(Poster, Conservation)

Zoogeographical analysis of the Caucasian bat fauna

Irina K. Rakhmatulina (Azerbaijan)

(Poster, Ecology)

Short term observations of emergence and flight routes of the lesser horseshoe bats (*Rhinolophus hipposideros*) from a summer roost in central Slovenia: implications for conservation

Ramovš Veronika, Zidar Simon, Zagmajster Maja (Slovenia)

(Poster, S9)

Survival of young female greater horseshoe bats seems to be influenced by birth synchrony with other young, especially those from their own matriline.

Ransome Roger, Jones Gareth, Rossiter Stephen (United Kingdom)

(Poster, Behavior)

An overview on BIUS research projects and its impact on existing and further bat research in Croatia

Ratko Martina, Aptreeva Valerija, Krajnović Marija, Krsić Jure (Croatia)

(Poster, S1)

Population dynamics of four bat species in Austria

Reiter Guido, Hüttmeir Ulrich, Jerabek Maria, Pysarczuk Simone, Schober Elisabeth, Vorauer Anton, Wohlfahrt Stephanie, Walser Hans (Austria)

(Poster, Conservation)

Circulation of group 2 coronaviruses in a bat species common to urban areas in Western Europe

Reusken Chantal B.E.M., Lina Peter H.C., Pielaat Annemarie¹, Vries Ankje de, Dam-Deisz Cecile, Adema Jeroen (The Netherlands), Drexler Jan Felix, Drosten Christian (Germany), Kooi Engbert A. (The Netherlands)
(Poster, S17)

Some new vespertilionid bats (Chiroptera, Mammalia) from the Late Miocene of Ukraine
Valentina V. Rosina (Russia), Yuriy A. Semenov (Ukraine)
(Poster, S1)

Establishing hypotheses of homology in the Phyllostomid bat skulls.
Rossoni, D.M., Porto, A. (Brazil), Giannini, N.P. (Argentina), Marroig, G. (Brazil)
(Poster, Morphology)

Out of the dark: diurnal activity in *Hipposideros ruber* on São Tomé island (West Africa)
Danilo Russo (Italy, UK), Guglielmo Maglio (Italy), Jorge Palmeirim (Portugal)
(Poster, S2)

Importance of forest fragments in agricultural landscape to bats
Řehák Zdeněk, Horáčková Žaneta, Zukal Jan, Bartonička Tomáš (Czech Republic)
(Poster, Ecology)

Bats of Albania: 2003-2010
Konrad Sachanowicz, Mateusz Ciechanowski (Poland)
(Poster, S12)

Metabolic rates, Nutritional State, and Thermoregulatory Behavior of *Molossus*
Jean Manuel Sandoval, Armando Rodriguez-Duran (USA)
(Poster, Ecology)

Do thermoregulatory behaviour and related costs reflect differences in geographic distribution between closely related mouse-eared bats, *Myotis myotis* and *M. blythii oxygnathus*, in Europe?
B.-Markus Schuller, Christian C. Voigt, Kathrin H. Dausmann, Björn M. Siemers (Germany)
(Poster, Ecology)

The Plio-Pleistocene bat fossils of the Almenara-Casablanca Complex: getting closer to a modern assemblage
Sevilla P., Furió M. (Spain)
(Poster, S1)

Bat roost characteristics in Central Norway (62-64 degrees north)
Storstad Knut Åge (Norway)
(Poster, S14)

Bat Conservation Programme in Padurea Craiului, Bihor and Trascau Mountains, Romania
Szodoray-Parádi Farkas, Szodoray-Parádi Abigél, Nagy Zoltán, Jére Csaba, Bücs Szilárd (Romania)
(Poster, Conservation)

***Rhinolophus euryale* (Rhinolophidae) in Slovakia: current status of a population living at the margin of the species distribution range**
Ševčík Martin, Benda Petr (Czech Republic), Uhrin Marcel (Slovak Republic)
(Poster, Taxonomy and Distribution)

Variability of echolocation calls from the Madagascar as observed by expedition Biriki
Špoutil František, Linhart Pavel, Poláková Simona, Dorňáková Veronika, Tumová Petra, Demelová Šárka
(Poster, Ecology)

Complexity of chiropteran dentition: the GIS approach
Špoutil František (Czech Republic), Jernvall Jukka (Finland), Evans Alistair (Australia)

(Poster, Morphology)

Are bats able to sniff out their roosts?

Švaříčková J., Bartonička T. (Czech Republic)
(Poster, Ecology)

Does *Tadarida teniotis* really occur in Crimea? (Chiroptera: Molossidae)

Uhrin Marcel (Slovak Republic), Gazaryan Suren (Russia), Benda Petr (Czech Republic)
(Poster, Taxonomy and Distribution)

Relating presence of house-dwelling bat species to habitat features in heterogeneous landscape (Central Europe)

Uhrin Marcel, Peter Kaňuch (Slovak Republic), Petr Benda (Czech Republic)
(Poster, S12)

The effects of flight energetics and echolocation on group-foraging and sociality of bats

Voigt Christian C., Voigt-Heucke Silke L., Wikelski Martin, Dechmann Dina K.N. (Germany)
(Poster, Behavior)

Perch-hunting in *Rhinolophus* bats is related to the high energy costs of manoeuvring in flight

Voigt Christian C., Schuller B.-Markus, Greif Stefan, Siemers Björn-M. (Germany)
(Poster, Ecology)

Big eyes, but for what? The role of vision, echolocation and olfaction in the foraging behaviour of the big-eyed bat *Chiroderma villosum* (Phyllostomidae)

Wagner Insa (Germany), Kalko Elisabeth K. V. (Germany, Panama)
(Poster, S11)

Current and future conservation of European bats

Walters C. (United Kingdom)
(Poster, S14)

Derived characters of higher-level chiropteran clades

Wetterer Andrea L., Simmons Nancy B., Gunnell Gregg F. (USA)
(Poster, Taxonomy and Distribution)

New degrees of freedom in sonar-beam control by fruit bats

Yossi Yovel (Israel), Ben Falk, Cynthia F. Moss (USA), Nachum Ulanovsky (Israel)
(Poster, S3)

Dynamics of emergence from roost and diet of pond bat *Myotis dasycneme* from nursery colony in Lubnia, Northern Poland

Aneta Zapart, Mateusz Ciechanowski (Poland)
(Poster, Ecology)

Population development of the Lesser Horseshoe Bat (*Rhinolophus hipposideros*) at the northern border of its range in Saxony (Germany) during the last thirty years

Zöphel Ulrich, Frank Thomas, Dingeldey Ullrich, Schmidt Christiane, Würflein Thomas (Germany)
(Poster, Conservation)

The effect of mirror orientation on bats' perception of echoacoustic mirror images

Sándor Zsebők, Stefan Greif, Björn M. Siemers (Germany)
(Poster, Behavior)