

MONDAY, JULY 31th

17:30-20:00 Registration Desk open at Miramar Palace

19:00-20:00 **Welcome Ceremony** at Miramar Palace

TUESDAY, AUGUST 1st

8:00 Registration Desk open at Barriola

8:15-8:30 **Official opening**

8:30-9:15 Invited talk:

Emma Teeling (University College Dublin)

“Superbats: A molecular perspective on the evolution of bats’ extraordinary adaptations”

Morning Session 1

Subject: Population genetics, phylogenetics and taxonomy

Convenor: Gary F MacCraken

9:15	T1: When the extant bats arose? Fossil record and molecules illuminate the history of the bat fauna in Western Palearctics. Ivan Horacek
9:30	T2: Phylogeography of Daubenton’s Bat <i>Myotis daubentonii</i> in Europe. Javier Juste
9:45	T3 ^s : Population genetic structure of Bechstein’s bats (<i>Myotis bechsteinii</i>) across Europe and Britain: has Brexit already happened? Patrick Wright
10:00	T4 ^s : Complex hybridization before complete speciation: interesting mito-nuclear discordances among three <i>Rhinolophus</i> species. Tong Liu
10:15	T5: Genetic structure in the mediterranean bat <i>Myotis capaccinii</i> : multiple refugia, post glacial dispersal and mito-nuclear discordance. Elizabeth M Hemond
10:30	General Discussion

10:45-11:15 Coffee/Tea break
(Sponsored by Petterson Elektronik)



Morning Session 2 Tuesday, August 1st

Subject: Population genetics, phylogenetics and taxonomy

Convenor: Dina Dechmann

11:15	T6: Contrasting phylogeography and population structure in two ecologically similar <i>Rhinolophus</i> species, <i>R. euryale</i> and <i>R. mehelyi</i> . Sebastien Puechmaile
11:30	T7: Geneflow within and among species of <i>Plecotus</i> bats in the Alpine range. Tommy Andriollo
11:45	T8 ^s : The role of biotic interactions in shaping the range of cryptic bat species. Roberto Novella Fernandez
12:00	T9 ^s : An investigation of the social structure, species boundaries, hybridization and phylogeography of three <i>Miniopterus</i> species (Mammalia: Chiroptera). Kanat Gürün
12:15	T10 ^s : A bat out of Africa: new insights on the existence of a North African refugium for Western Palearctic bat fauna. Francisco Amorim
12:30	General Discussion
12:45-14:30	Lunchtime

Afternoon Session 1 Tuesday, August 1st

Subject: Population genetics, phylogenetics and taxonomy

Convenor 1A: Ostaizka Aizpurua **Convenor 1B:** Jasja Dekker

	Session 1A	Session 1B	WS
14:30	T11: Integrating landscape genetics with connectivity analyses to prioritize regional conservation of <i>Plecotus auritus begognae</i> in the Iberian Peninsula. Hugo Rebelo	T17: Rapid assessment of bats on Bougainville Island: searching for monkey-faced fruit bats and spare tires. Frank J Bonaccorso	Wildlife Acoustics Workshop I
14:45	T12 ^s : Genetic and echolocation divergence in <i>Rhinolophus hipposideros</i> : is the population of the Maltese Islands distinct? Clare Mifsud	T18: Insular bats and research efforts: a review of global patterns and priorities. Irene Conenna	

	Session 1A	Session 1B	WS
15:00	T13: Coexistence of two sympatric cryptic bat species of French Guiana: genetic, acoustic and ecological characterization. Ondine Filippi-Codaccioni	T19: Bats activity in a well preserved high Alpine forest. Dino Scaravelli	Wildlife Acoustics Hands-on Workshop with the New Echo Meter Touch 2 Handheld Bat Detector 25 seats available
15:15	T14 ^s : Genetic variability of <i>Rhinolophus mehelyi</i> at the northern margin of distribution range. Alexandra Corduneanu	T20: New Data on the Greater Noctule, <i>Nyctalus lasiopterus</i> (Schreber, 1780) in France. Marie-Jo Dubourg-Savage	
15:30	T15: Twins or cousins: two species of "desert" big-eared bats (<i>Plecotus</i> ; Vespertilionidae, Chiroptera) coexist in Mongolia. Sergei V Kruskop	T21: The importance of biotic and abiotic interactions for understanding bat species distributions in an insular system. Ana Rainho	
15:45	T16: Comparative phylogeography of two cryptic serotine bats in the Iberian Peninsula and gene flow consequences of being too similar. Javier Juste	T22: Distribution patterns of selected bat species in Poland – spatial modelling improved by application of fine-scale forest data. Mateusz Ciechanowski	
16:00	General Discussion	General Discussion	

16:15-16:45 Coffee/Tea break

Afternoon Session 2 Tuesday, August 1st

Subject: Diversity and distribution

Convenor 2A: Irineusz Ruczynski

Convenor 2B: Julie Dahl Møller

	Session 2A	Session 2B
16:45	T23: Determinants of spring migration onset in female common noctule bats. Dina KN Dechmann	T29: A Model for the Assessment of the Favourable Conservation status of bats in a concrete planning area. Herman JGA Limpens

	Session 2A	Session 2B
17:00	T24 ^s : The genetics of migration of the tequila bat (<i>Leptonycteris yerbabuena</i>). Angelica Menchaca Rodriguez	T30: Monitoring urban bat populations. Marcel J Schillemans
17:15	T25 ^s : Are all mountains the same? Changes in South American bat diversity patterns along environmental gradients. Cristina Rios-Blanco	T31: Changes in numbers and reproductive status of bats during swarming in Natura 2000 site PLH080003 "Nietoperek". Tomasz Kokurewicz
17:30	T26 ^s : Landscape population genetics of the greater horseshoe bat (<i>R. ferrumequinum</i>) in West-Eastern France. Orianne Tournayre	T32: Calculating bat trends based on car-transect monitoring data. Thomas van der Meij
17:45	T27 ^s : Species-specific impact of habitat fragmentation on the population genetic structure of Neotropical bats. Tanja Halczok	T33: Long-term bat population trends in East, Central and South-West Romania. Oana M Chachula
18:00	T28: Are secondary woodlands providing suitable resources for biodiversity? Bats as a case study. Elisa Fuentes-Montemayor	T34 ^s : Using DNA techniques to improve national population estimates of a threatened Irish bat species, the lesser horseshoe bat. Andrew P Harrington
18:10	General Discussion	General Discussion

20:15 **European Gastro-party** at Doka pub theatre

WEDNESDAY, AUGUST 2nd

8:00 Registration Desk open

8:15-9:00 Invited talk:

Kristine Bohmann (University of Copenhagen)
"Bat diet studies – past, present and future"

Morning Session 1

Subject: Dietary ecology

Convenor: Fabio Bontadina

9:00	T35: Bats Aloft. Gary McCracken
9:15	T36: Scrutinizing key steps for reliable metabarcoding of bat fecal samples. Antton Alberdi
9:30	T37 ^s : The poop experiment: defining sampling procedures for metabarcoding dietary studies in bats. Vanessa Mata
9:45	T38: Trait-based diet analysis of an insectivorous bat: novel insights into foraging ecology. Aitor Arrizabalaga
10:00	T39 ^s : Diet composition and variability of the common bent-wing bat (<i>Miniopterus schreibersii</i>) in Iberia. German Velayos-Gainza
10:15	T40: Regional mismatches between agricultural pest and biocontrol services by bats. An example from continental Portugal. Javier Rodríguez-Pérez
10:30	General Discussion

10:45-11:15 Coffee/Tea break

Morning Session 2

Subject: Dietary ecology

Convenor: Ivan Horáček

11:15	T41: Does the gut microbiota contribute to the dietary shift of fish-eating bats? Ostaizka Aizpurua
11:30	T42: Food availability affects energy management and reproductive tissue development in male parti-coloured bats, <i>Vespertilio murinus</i> . Ireneusz Ruczynski

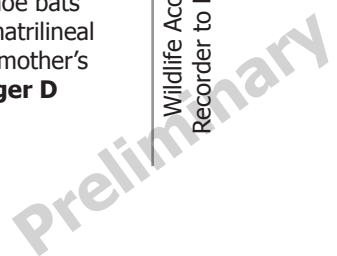
11:45	T43: Sitka Spruce plantations: A potential opportunity for bat populations? Lucinda Kirkpatrick
12:00	T44: Saving trees for saving bats: treed landscape elements as key foraging habitats for insectivorous bats in intensively farmed landscapes. Silvia Barreiro
12:15	T45 ^s : The importance of temporary lakes and ponds for bat conservation in Neotropical rainforests. Laura Torrent
12:30	General Discussion

12:45-14:30 Lunchtime

Afternoon Session 1 Wednesday, August 2nd

Subject: Behavioural ecology
Convenor 1A: Sebastien J Puechmaille
Convenor 1B: Marie-Jo Dubourg-Savage

	Session 1A	Session 1B	WS
14:30	T46: Sociality as a driver of thermoregulatory and roost-switching behaviors in a forest bat. Danilo Russo	T52 ^s : Modelling roost dispersal of greater horseshoe bats using landscape connectivity models. Domhnall Finch	Wildlife Acoustics Hands-on Workshop, From the SM4BAT Recorder to Kaleidoscope Pro Analysis 25 seats available
14:45	T47: New insights into the hibernation strategy of Bechstein's Bat (<i>Myotis bechsteinii</i>) in Germany. Karl Kugelschafter	T53 ^s : Microhabitat density predicts roost use by a rare tree-dwelling bat. Andrew Carr	
15:00	T48: Why and when do bats fly out in winter ? A field study in the north of Flanders, Belgium. Ralf Gyselings	T54 ^s : Effects of forest gaps on bat communities: a case study in Valsain. Elena Tena	
15:15	T49: An influence on climatic factors on numbers of bats hibernating underground – the consequences for methodology of winter monitoring. Tomasz Kokurewicz	T55: Lifetime reproductive success of fecund female greater horseshoe bats is affected by matrilineal rank and grandmother's parturition. Roger D Ransome	



	Session 1A	Session 1B	WS
15:30	T50: Object characteristics, temperature regimes and hanging site selection in hibernating bats. Luc De Bruyn	T56: Physiological plasticity of <i>Carollia perspicillata</i> (Seba's short-tailed bat) related to ecological and social environment. Nicolas Fasel	Wildlife Acoustics Workshop II
15:45	T51 ^s : Behavioural and physiological responses in <i>Rhinolophus euryale</i> to hibernation. Edita Maxinová	T57: Intelligent Virtual Personal Assistant for Bat Scientists. Angel Ivanov	
16:00	General discussion	General discussion	

16:15-16:45 Coffee/Tea break

17:00-19:00 **Poster Session**

THURSDAY, AUGUST 3rd

8:30-17:00 Field trip to Arantzazu Sanctuary and Aizkorri-Aratz Natural Park

FRIDAY, AUGUST 4th

8:15-9:00 Invited talk:

Danilo Russo (University of Naples)

“How to be a successful bat in the Anthropocene: coping with urbanisation, climate change and livestock grazing”

Morning Session 1

Subject: Conservation ecology

Convenor: Eeva-Maria Kyheröinen

9:00	T58: The impact of climate on trends in common bat species. Niamh Roche
9:15	T59: Activity patterns of bats at the top of wind turbines has implications for efficient mitigation. Jens Rydell
9:30	T60: Effectiveness of bat mitigation on roads - a review. Morten Elmeros
9:45	T61: Long-term effects of flood-lights on brown long-eared bats in churches. Sonia Sánchez-Navarro
10:00	T62: Why bat boxes are not effective as compensation for the loss of roost trees. Andreas Zahn
10:15	T63: Using landscape genetics to understand bat responses to climate change. Orly Razgour
10:30	General discussion

10:45-11:15 Coffee/Tea break

Morning Session 2

Subject: Conservation ecology

Convenor: Hugo Rebelo

11:15	T64 ^s : Should we use <i>Myotis daubentonii</i> as an ecological indicator to evaluate riparian ecosystems health? Adrià López-Baucells
11:30	T65: A national-scale assessment of the effects of wind energy installations on bats: what have we learnt, and how useful are current approaches to minimising risk? Fiona Mathews

11:45	T66 ^s : Influence of local landscape features on road collision risks. Charlotte Roemer
12:00	T67 ^s : Quantifying the impact of light pollution at the city scale: urban-dweller bats are negatively affected by artificial light. Julie Pauwels
12:15	T68: Population genetic structure of <i>Pseudogymnoascus destructans</i> in the Western Palearctic: where did it all start? Sebastien J Puechmaille
12:30	General Discussion
12:45-14:30	Lunchtime

Afternoon Session 1 Friday, August 4th

Subject: Conservation ecology

Convenor 1A: Tomasz Kokurewicz **Convenor 1B:** Fiona Mathews

	Session 1A	Session 1B	WS
14:30	T69: Bats and windfarms monitoring and mitigation measures implementation across Western Palearctic and what can be done? Daniela Hamidovic	T75 ^s : Investigating the role of environmental reservoirs in the persistence and transmission of <i>Pseudogymnoascus destructans</i> , the causative agent of White-Nose Disease. Nicola M Fischer	Apodemus Workshop "Test your bat detector" 20 seats available
14:45	T70: Predicting commuting corridors of bats. Martin K Obrist	T76 ^s : Do the bats obey Rensch's rule? Zuzanna Wikar	
15:00	T71 ^s : Re-assessing the potential benefits of hedgerows on bats - a multi-scale approach. Jérémy S P Froidevaux	T77: Less common synchronized rewarming in WNS tolerant bats as hibernation strategy. Tomáš Bartonička	
15:15	T72 ^s : Movements of barbastelle bats in a wind farm. Grzegorz Apoznánski	T78: Validation of a field-portable, hand-held qPCR system for detecting <i>Pseudogymnoascus destructans</i> , the causative agent of White-nose Syndrome in Bats. Sybill K Amelon	

	Session 1A	Session 1B	WS
15:30	T73 ^S : The effects of LED street lighting on bat activity. Elizabeth G Rowse	T79: Importance of host ecology for the presence of Bartonella spp. in the ectoparasites of insectivorous bats in Central and SE Europe. Attila D Sándor	Apodemus Workshop "Test your bat detector"
15:45	T74 ^S : Bat boxes and climate change: The impact of changing environmental temperatures on the thermic response in the Mediterranean region and its consequences as a tool for conservation. Garazi Martin	T80: Differences in whole-transcriptome gene expression control susceptibility to white-nose syndrome in <i>Myotis lucifugus</i> and <i>Eptesicus fuscus</i> . Thomas M Lilley	
16:00	General discussion	General discussion	

16:15-16:45 Coffee/Tea break

Afternoon Session 2 Friday, August 4th

Subject 2A: Conservation

Subject 2B: Developmental biology

Convenor 2A: Ana Rainho

Convenor 2B: Kirsty Park

	Session 2A	Session 2B
16:45	T81: Status of Romanian bat populations: the 2010-2017 review of research and conservation. Szilárd-Lehel Bücs	T87 ^S : Development of a body condition scoring system validated by DEXA and deuterium oxide in big brown bats (<i>Eptesicus fuscus</i>). Sarah E Hooper
17:00	T82: Reproduction and post-natal growth of <i>Rhinolophus hipposideros</i> roosting in illuminated buildings. Jasmina Kotnik	T88 ^S : Bat skull in three dimensions: photogrammetry as portable and reliable scanning solution. Giada Giacomini
17:15	T83: Call activity and species diversity of bats at nacelle height in wind parks of Austrian montane forests. Senta Huemer	T89 ^S : Are aggressive vocalizations the honest signals of body size and quality in female Asian particolored bat (<i>Vespertilio sinensis</i>)? Xin Zhao

	Session 2A	Session 2B
17:30	T84 ^s : Testing the performance of bats as indicators of habitat quality in riparian ecosystems. Carmelina De Conno	T90: Use of body condition index to describe phenology of french bats populations from mist-netting data. Julie Marmet
17:45	T85 ^s : Why are rocket boxes favored by a maternity colony of social bark-roosting bats? Julia PS Hoeh	T91: Differential effects of climate change on the body condition of bats. Xavier Puig-Montserrat
18:00	T86 ^s : Roads and bats: are overpasses attractive for bats? Fabien Claireau	T92: Distribution and size of summer bat colonies around a lowland wetland area – the example of 'Družno Lake' nature reserve. Marta Szurlej
18:15	General Discussion	General Discussion

20:30 **Banquet** at Tennis Ondarreta Restaurant

SATURDAY, AUGUST 5th

8:15-9:00 Invited talk:

Gloriana Chaverri (University of Costa Rica)
"Social communication in bats: so far and the way forward"

Morning Session 1

Subject: Acoustic ecology and taxonomic identification

Convenor: Frank Bonaccorso

9:00	T93: From bat calls in the field to validated species records – the approach of the Swiss Bat Bioacoustics Group SBBG. Elias Bader
9:15	T94: Detection distances for bats in southern African savannas. Ara Monadjem
9:30	T95: Do we need to include the aerosphere in our conservation efforts? Christian Voigt
9:45	T96: Identification of Rhinolophid bat nursery roosts from recordings of adult ultrasound social calls and ultrasound development calls made by infants. Margaret M Andrews
10:00	T97: Optimization of automatic bat identification tools for long term acoustic monitoring schemes. Bruno Silva
10:15	T98: Articulating citizen science, semi-automatic identification and free web services for long-term acoustic monitoring: examples from France and UK. Yves Bas
10:30	General Discussion
10:45-11:15	Coffee/Tea break
11:15-12:15	Closing Ceremony