

SESSIONS PROGRAM ECM 2011

SESSION 1 - Advances in studies on subterranean mammals

Organizer:

Paul Van Daele - paul.vandaele@ugent.be

Room: Amphi Astier

Wednesday 20 July

9:00-9:30: Invited communication:

C.G. Faulkes, P.A.A.G. Van Daele, N.C. Bennett, F.P.D. Cotterill, G.F. Mgone, E. Verheyen - Phylogeography and cryptic diversity in african mole-rats – the role of tectonics and the formation of the african rift valley.

9:30-9:50:

Y. Hadid, A. Németh, S. Snir, T. Pavlíček; G. Csorba, Á. Major, E. Nevo - Is evolution of blind mole-rats (subfamily Spalacinae) driven by climate oscillations? – New phylogenetic tree of the Eurasian blind-mole rats based on five mitochondrial gene.

9:50-10:10:

I. Kandemir, M. Sozen, F. Matur, T. Kankilic, N. Martinkova, F. Colak, S.O. Ozkurt, E. Colak - Phylogeny of species and cytotypes of mole rats (Spalacidae) in turkey inferred from mitochondrial cytochrome b gene sequences.

10:10-10:30:

I. Bakloushinskaya, S. Romanenko, N. Serdukova, A. Graphodatsk, S. Matveevsky, O. Kolomiets, E. Lyapunova - Expanding boundaries of chromosomal variability in mole voles *Ellobius tancrei*.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35:

A. Smorkatcheva - Social evolution in subterranean rodents: does phylogeny matter?

11:35-11:55:

A. Loy, P. Colangelo, M. Di Febbraro, P. Piras, G. Sansalone, T. Kotsakis - Evolutionary ecology of the western European moles. Combining genetics, fossil records, morphometrics and habitat modeling for the Italian fauna.

11:55-12:15:

A. Németh, Z.G. Homonnay, M. Palatinszky, Y. Hadid, T. Pavlicek, G. Csorba, J. Farkas, E. Nevo, K. Márialigeti - the role of intestinal microbes in the evolution of blind mole-rats (Rodentia: Spalacinae).

12:15-12:35:

T. Kuznetsova, N. Kostina, M. Umarov, E. Naumova - Nitrogen fixation and gerbils' impact to soil biological activity.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

H. Burda - Twenty five years of Zambian Mole-rats in Europe.

14:30-14:50:

M. Lövy, J. Šklíba, E. Hrouzková, O. Kott, R. Šumbera - Activity in African mole-rats: do different social systems imply different patterns of activity?

14:50-15:10:

N. Desmet, P.A.A.G. Van Daele, S. Deschoemaeker, Y. Deschutter, D. Adriaens - Digging and biting in *Fukomys* mole-rats (Bathyergidae, Rodentia).

15:10-15:30:

F. Sedlacek, R. Šumbera - Stress in an African subterranean rodent: the giant mole-rat (*Fukomys mechowii*).

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17:00-17:20:

E. Chaadaeva, E. Kunchevskaya, Y. Kovalskaya - The perception of sex differences in the contact calls of mandarin voles (*Microtus mandarinus*).

17:20-17:40:

S. Begall, C. Wächter, B. Schäfer, C. Vole, H. Burda - Mating behaviour of Zambian *Fukomys* mole-rats.

17:40-18:00:

P. Nemeč, L. Peichl, T. Krejčová, P. Cveková, O. Benada, K. Turlejski, S. Olkowicz, H. Burda, N.C. Bennett, R. Šumbera, O. Kott - Visual systems and the role of vision in the visual system of African mole-rats (Rodentia, Bathyergidae).

SESSION 2 - Mammals and their parasites

Organizers:

Boris R. Krasnov - krasnov@bgu.ac.il

Serge Morand - smorand@univ-montp2.fr

Room: Amphi 45B

Friday 22 July

9:00-9:30: Invited communication:

S. Morand - Asymmetry of mammals-parasites interactions: what have we learned?

9:30-9:50:

J.F. Cosson, M. Galan, K. Chaisiri, A. Ribas Salvador, N. Charbonnel, S. Morand - Long-term co-evolutionary history with parasites and MHC diversity in rodents.

9:50-10:10:

A. Fornuskova, M. Galan, F. Cerqueira, J. Bryja, N. Charbonnel, J.F. Cosson - Evolution of toll-like receptors 4 and 7 genes in wild rodents (Murinae).

10:10-10:30:

E. Hellard, D. Fouchet, H. Poulet, D. Pontier - Microparasites interactions in mammals natural populations: how to distinguish true interactions from those generated by co-circulation mechanisms?

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

B.R. Krasnov, S. Matthee, I.S. Khokhlova - Patterns, mechanisms, consequences of gender-biased parasitism.

11:35-11:55:

V. Herbreteau, F. Bordes, S. Morand - Rodents and their parasites: various patterns associated with anthropogenic disturbances.

11:55-12:15:

D. Galicia, I. Imaz, M.L. Moraza, M.C. Escala - Ectoparasite communities of two closely related rodent hosts.

12:15-12:35:

H. Henttonen, V. Haukisalmi, L. Hardman - Comparative phylogeography of cestodes (Anoplocephalidae) of arvicoline rodents in the Holarctic region.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

F. Bordes, N. Ponlet, J. Gouy de Bellocq, B. Krasnov, S. Morand - Sexual dimorphism in resistance and tolerance in the European populations of the wood mouse *Apodemus sylvaticus*.

14:30-14:50:

M. Löhmus, S. Moalem, M. Björklund - Parasitic manipulation of appetite.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

18:00-20:00 - Plenary session (Amphi F1)

SESSION 3 - Mammal zoonosis ecology

Organizers:

H. Henttonen - Heikki.Henttonen@metla.fi

H. Leirs - herwig.leirs@ua.ac.be

A. Rizzoli - annapaola.rizzoli@iasma.it

Room: Amphi 45A

Thursday 21 July

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

H. Leirs - Plague ecology in Kazakhstan: rodents and thresholds.

14:30-14:50:

H. Henttonen, H. Leirs, E.R. Kallio, K. Tersago, L. Voutilainen - Biome-specific rodent dynamics and hantavirus epidemiologies in Europe.

14:50-15:10:

L. Voutilainen, S. Savola, E.R. Kallio, J. Laakkonen, A. Vaheri, O. Vapalahti, H. Henttonen - Intensive forest management shaping small mammal communities: impact on Puumala hantavirus transmission.

15:10-15:30:

E. Guivier, M. Galan, M. Pagès, S. Cousineau, C. Tatard, C. Kakko, Y. Chaval, J.F. Cosson, N. Charbonnel - Immunogenetics as a tool to assess Hantavirus risk in wild rodents.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17:00-17:20:

A. Rizzoli - Rodents, deer and ticks: how their interaction affects tick-borne diseases emergence and spread.

17:20-17:40:

H.C. Hauffe, A. Bianchi, F. Rosso, M. Girardi, C. Rossi, V. Tagliapietra, D. Arnoldi, A. Rizzoli - Ljungan virus, an intriguing rodent-borne pathogen.

17:40-18:00:

M. Mielcarek, C. Tatard, A. Xuéreb, M. Galan, N. Charbonnel, S. Morand, J.F. Cosson - Leptospirosis in rodents from South-East Asia: an insight thanks to real-time PCR.

SESSION 4A - Shrews, Chromosomes and Speciation

Organizers:

Jan Zima - jzima@ivb.cz

Jeremy Searle - jeremy.searle@cornell.edu

David Polly - pdpolly@indiana.edu

Room: Amphi 45B

Wednesday 20 July

9:00-9:30: Invited communication:

J. Zima, N. Bulatova - The astonishing diversity of chromosomal races in the common shrew (*Sorex araneus*).

9:30-9:50:

L. Biltueva, N. Vorobieva, P. Perelman, V. Trifonov, V. Volobouev, V. Panov, M. Ferguson-Smith, F. Yang, A. Graphodatsky - Karyotype evolution of Eulipotyphla: the genome homology of *Sorex* species revealed by comparative chromosome painting and banding data.

9:50-10:10:

N. Bulatova, J.B. Searle - De novo chromosomal rearrangements in consequence to interracial hybridization in the common shrew.

10:10-10:30:

O. Grigoryeva - Karyotype reorganization and gene flow in inter- and intra-specific contact zones of the *Sorex araneus* superspecies.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

J.B. Searle - The common shrew as a model of chromosomal evolution and speciation.

11:35-11:55:

S.V. Pavlova, N. Bulatova, N.A. Shchipanov - Chromosomal hybrid zones of the common shrew in European Russia.

11:55-12:15:

M. Ratkiewicz, K. Jadwiczak, A. Banaszek - Mitochondrial DNA diversity in a hybrid zone of two chromosome races of the common shrew, *Sorex araneus* in Poland.

12:15-12:35:

N.A. Shchipanov, A.N. Shchipanov, S.V. Pavlova - Ranges of chromosome races of the common shrew in European Russia.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

T.A. White, M. Bordewich, J.B. Searle - A network approach to study karyotypic evolution: the chromosomal races of the common shrew (*Sorex araneus*) as a model system.

14:30-14:50:

V. Sytcheva - Metrical traits of the lower jaw of three *Sorex araneus* chromosome races *S. satunini*.

14:50-15:10:

L.L. Voyta, A.V. Bobretsov, N.A. Shchipanov - Analysis of interracial and population variability in the common shrew *Sorex araneus* L., 1758 using geometric morphometry.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

SESSION 4B - Chromosomes and Evolution

Organizers:

Vitaly Volobouev - vitaly@mnhn.fr

Janice Britton-Davidian - janice.britton-davidian@univ-montp2.fr

Room: Amphi 45B

Thursday 21 July

9:00-9:30: Invited communication:

F. Yang - Two decades of cross-species chromosome painting: the big picture.

9:30-9:50:

N.S. Poplavskaya, V.S. Lebedev, A.A. Bannikova, A.V. Surov - Genetic structure and formation of reproductive barriers in *Cricetulus barabensis* sensu lato.

9:50-10:10:

D.W.G. Foerster, J.B. Searle - investigating gene flow within and among metacentric races of the western house mouse (*Mus musculus domesticus*) using mapped microsatellite markers.

10:10-10:30:

E. Ivanitskaya, L. Rashkovetsky, E. Nevo - Evolution of a hybrid zone of mole rats (*Nannospalax*, spalacidae, rodentia) in Israel: molecular-cytogenetic analysis.

10:30 - 11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

A. Ruiz-Herrera, M. Farré - Chromosomal evolution and comparative genomics in mammals.

11:35-11:55:

A. Abiadh, P. Colangelo, T.L. Cheniti, M. Chetoui - Chromosomal polymorphism in *Gerbillus latastei* (Rodentia, Gerbillinae) from Tunisia.

11:55-12:15:

S. Grize, J.B. Searle, B. Köni, A. Lindholm - Chromosomal variation and fertility in wild house mice (*Mus musculus domesticus*) in Switzerland.

12:15-12:35:

I.V. Kartavtseva, K.V. Korobitsina - Evolution of chromosomes and speciation of Gerbils (Rodentia, Cricetidae, Gerbillinae) from the territories of the former USSR.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

A.S. Graphodatsky - The genome diversity and karyotype evolution of mammals.

14:30-14:50:

S.A. Romanenko, N.A. Lemskaya, V.R. Beklemisheva, N.A. Serdukova, P.L. Perelman, V.A. Trifonov, A.S. Graphodatsky - Chromosome evolution in Rodentia.

14:50-15:10:

V. Volobouev - Chromosomal changes and speciation in mammals.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

SESSION 5 - Morphometrics and Evolution

Organizers:

Sabrina Renaud - Sabrina.Renaud@univ-lyon1.fr

Thomas Cucchi - cucchi@mnhn.fr

Room: Amphi Astier

Friday 22 July

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

A. Evin, J.D. Vigne, J. Peter, L. Bartosiewicz, M. Zeder, L. Girdland Flink, G. Larson, K. Dobney, T. Cucchi - Domestic versus wild: how geometric morphometrics can help investigate the domestication process in zooarchaeology.

11:35-11:55:

E. Szuma - Ecological and evolutionary factors of dental polymorphism in the red fox and the arctic fox.

11:55-12:15:

R. Siahsarvie, J.C. Auffray, J. Darvish, H.Rajabi-Maham, F. Bonhomme, H.T. Yu, S. Agret, J. Claude - Does morphological divergence follow molecular differentiation during the house mouse *Mus musculus* (Rodentia: Muridea) sub-speciation?

12:15-12:35:

H. Khemiri, M. Chetoui, M. Benhamou, A. Abiadh, S. Nouira - Size and shape variation in the skull and mandible among the genus *Psammomys* (Rodentia, Gerbillinae) in Tunisia.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication

A. Cardini – Measuring phenotypes: from evodevo to conservation biology.

14:30-14:50:

J. Owen, G. Larson, K. Dobney, U.StrandViðarsdóttir - Suid Taxonomy and Evolution: Disparity and Enlightenment.

14:50-15:10:

T. Cucchi, R. Barnett, K. Dobney, N. Martinkova, J.B. Searle – New insights into the microevolution of the Orkney vole (*Microtus arvalis orcadensis*).

15:10-15:30:

V. Kovaleva, V. Efimov, Y. Litvinov – Age- and sex-associated variations in the directional asymmetry of root vole traits.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

18:00-20:00 - Plenary session (Amphi F1)

SESSION 6 - Evolution of mammals on islands: generalities and exceptions

Organizer:

Marco Masseti - marco.masseti@unifi.it

Room: Amphi 55A

Saturday 23 July

9:40-10:10: Invited communication:

P. Mazza, S. Lovari, F. Masini, M. Masseti, M. Rustioni - The colonization of islands by land mammals: a multifactorial reality that shows the unwise use of models.

10:10-10:30:

P. Chevret, M. Pagès, M. Gros-Balthazard, JA Alcover, S. Hughes, R. Hutterer, J.C. Rando, J. Michaux, C. Hänni - Ancient DNA analysis reveals unsuspected phylogenetic affinities of the extinct *Malpaisomys* (Rodentia, Murinae), an endemic of the Canary islands.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35:

E.A. Hardouin, J.L. Chapuis, M.I. Stevens, B. Jansen van Vuuren, P. Quillfeldt, R.J. Scavetta, M. Teschke, D. Tautz - Recent colonization and adaptation mechanisms of the house mouse (*Mus musculus domesticus*) on the sub-antarctic Kerguelen archipelago.

11:35-11:55:

M. Kozakiewicz, T. Gortat, R. Rutkowski, M. Krupa, A. Kozakiewicz, A. Gryczyńska-Sięmiątkowska - Changes in genetic variability in island populations of two rodent species: yellow-necked mouse (*Apodemus flavicollis*) and bank vole (*Myodes glareolus*).

11:55-12:15:

M. Masseti - Endemic oak jungles for the dwarf elephants and ungulates of the Mediterranean islands.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

15:30-17:00 - Closing Ceremony of the ECM – Poster Prizes (Gam)

SESSION 7 - Mechanisms of speciation in mammals

Organizers:

Ganem Guila - guila.ganem@univ-montp2.fr

Smadja Carole - carole.smadja@univ-montp2.fr

Room: Amphi 55A

Friday 22 July

9:00-9:30:

Welcome and Introduction by the Organizers.

9:30-9:50:

L.E. Harding, R. Jansson - Can stability create change? Exploring the role of stable environments in species diversity.

9:50-10:10:

L. Wang, K. Luzynski, J.E. Pool, V. Janoušek, P. Dufková, M. Mrkvicová Vyskočilová, K.C. Teeter, M.W. Nachman, P. Munclinger, M. Macholán, J. Piálek, P.K. Tucker - Measures of linkage disequilibrium among neighboring snps indicate asymmetries across the house mouse hybrid zone.

10:10-10:30:

J. Albrechtová, T. Albrecht, S.J.E. Baird, M. Macholán, P. Munclinger, G. Rudolfson, P.K. Tucker, J. Piálek - Differential sperm performance in hybrids coincides with Y chromosome invasion across the house mouse hybrid zone.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

M. Maan - Speciation by sexual selection and the importance of ecology.

11:35-11:55:

M.A. Duarte, M.L. Mathias, C. Bastos-Silveira - Testing the role of mhc class i as a premating reproductive barrier between two *Microtus* sister species.

11:55-12:15:

M. Beysard, G. Heckel - A moving hybrid zone between intraspecific lineages in *Microtus arvalis*.

12:15-12:35:

R. Castiglia, P. Franchini - Pattern of gene flow across chromosomal hybrid zones in the house mouse *Mus musculus domesticus*.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30 - Poster session (Atrium)

14:30-14:50:

L.V. Frisman, I.V. Kartavtseva, I.L. Kats - Genetic characterization of *Myodes rutilus* from russian far east.

14:50-15:10:

R.V. Rambau, A. Engelbrecht, P.J. Taylor - Evidence of recombination suppression in vole rats, *Otomys irroratus*.

15:10-15:30:

General discussion.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

18:00-20:00 - Plenary session (Amphi F1)

SESSION 8 - Miller and other European mammalogists contributions a century ago

Organizers:

Boris Krystufek - boris.krystufek@zrs.upr.si

Elena V. Buzan - elena.buzan@zrs-kp.si

Room: Amphi 45B

Saturday 23 July

9:40-10:10: Invited communication:

J.L. Dunnun, J.A. Cook - Gerrit Smith Miller – Contributions to European mammalogy and the value of natural history collections.

10:10-10:30:

R. Hutterer - In the footsteps of Gerrit S. Miller: André Meylan, Ernst von Lehmann, and the rediscovery of *Sorex coronatus* (Millet, 1828).

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

C. Denys, C. Callou - The contribution of Edouard-Louis Trouessart to Mammalogy.

11:35-11:55:

I. Bakloushinskaya, G.A. Bazykin, E.P. Kryukova - S.I. Ognev and the formation of theriology in Russia.

11:55-12:15:

N. Abramson - How stable are phylogenetic roots? Contributions of russian mammalogists a century ago and overlooked from nowadays.

12:15-12:35:

B. Krystufek - Mammalian taxonomy in Europe over the last century: convergences and divergences in number of recognized species.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

15:30-17:00 - Closing Ceremony of the ECM – Poster Prizes (Gam)

SESSION 9 - Mammals and Landscape

Organizers:

Patrick Giraudoux – Patrick.Giraudoux@univ-fcomte.fr

Alessio Mortelliti - Alessio.Mortelliti@uniroma1.it

Room: Amphi 55B

Thursday 21 July

9:20-9:30:

P. Giraudoux, A. Mortelliti - Introduction to the session Mammals and Landscape.

9:30-9:50: Invited communication:

G. Shenbrot - Population dynamics and habitat selection of rodents in a complex desert landscape.

9:50-10:10:

P. Giraudoux, F. Raoul - Landscape effects on small mammal communities and population dynamics.

10:10-10:30:

A. Mortelliti, S. Fagiani, G. Amori, D. Capizzi, L. Boitani - Targeting habitat management in fragmented landscapes: a case study with arboreal rodents.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35:

S. Savola, H. Henttonen, H. Lindén, P. Helle - Impacts of forestry on voles and small predators in Finland.

11:35-11:55:

V. Herbreteau, S. Dupuy, T. Feyfant, A. Tran, S. Morand - Habitat suitability modeling of murine rodents in South-East Asia: use of high resolution data at a local scale.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:30-14:50:

L. Gálvez-Bravo, I. Cristóbal, A. Ríos-Saldaña, J. Cassinello - Seasonal habitat use by red deer and rabbits in a heterogeneous landscape: competition or resource partitioning?

14:50-15:10:

A. Haigh, F. Butler, R.M. O'Riordan - Where to eat? Prey availability and habitat choice by hedgehogs (*Erinaceus europaeus*) in a rural Irish landscape.

15:10-15:30:

A. Navarro-Castilla, C. Mata, P. Ruiz-Capillas, R. Palme, J.E. Malo, I. Barja. Stressful - Living close to roads? Increased physiological stress levels in wild wood mouse (*Apodemus sylvaticus*) populations beside a motorway.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17:00-17:20:

S. Czarnomska, B. Jedrzejewska, M. Niedzialkowska - Spatial genetic structure of yellow-necked mice *Apodemus flavicollis* in north-eastern Poland.

17:20-17:40:

R. Enright, R.M. O'Riordan, P. Whelan - Grouping dynamics of feral goats in Ireland: social segregation and habitat use.

17:40-18:00:

J. Andru, E. Benoit, M. Galan, J.P. Caliman, A. Belhadj, J.F. Cosson - Genetic structure of rat populations infesting oil palm agricultural landscapes in southeast Asia.

Friday 22 July : Sub-session Landscape and Conservation

9:00-9:30: Invited communication:

N. Ménard, Y. Rantier, A. Foulquier, M. Qarro, L. Chillasse D. Vallet, J.S. Pierre, A. Butet - Impact of human pressure and forest fragmentation on a social primate species: the case of barbary macaques (*Macaca sylvanus*) in Morocco.

9:30-9:50:

L. Li, D. Li, G. Wu, Y. Xue, Y. He, P. Giraudoux - Habitat and connectivity of the black snub-nosed monkey (*Rhinopithecus bieti*) populations in Yunnan: a climate change scenario.

9:50-10:10:

G. Cozzi, F. Broekhuis, J.W. McNutt, B. Schmid - About the effect of artificial and natural barriers on space use and movements of four large African carnivore species: implications for spatial co-existence among competitors.

10:10-10:30:

R. Kowalczyk, G.I.H. Kerley, J.P.G.M. Cromsigt - Refugee species conservation - the European bison as an example.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35:

F. Roscioni, D. Russo, M. Di Febbraro, A. Loy - Bat fatalities at wind farms. a regional-scale approach.

11:35-11:55:

P. Tournant, E. Afonso, S. Roué, P. Giraudoux, J.C. Foltête - Assessing habitat connectivity of the lesser horseshoe bat using graph theory to explain its distribution.

11:55-12:15:

P. Sarmiento, J. Cruz, C. Eira, C. Fonseca - Modeling the occupancy of sympatric carnivores in a Mediterranean ecosystem.

SESSION 10 - Circum-Mediterranean mammals

Organizers:

Maurizio Sarà – mausar@unipa.it

Stéphane Aulagnier - stephane.aulagnier@toulouse.inra.fr

Room: Amphi 55A

Thursday 21 July

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17: 00-17:20:

I. Horáček, R.K. Lučan, W.M. Shohdi, T. Bartonička, P. Benda - The mediterranean fruit bat (*Rousettus aegyptiacus*): position and dynamics of range margins.

17:20-17:40:

A. Mansour, M. Bensidhoum, D. Oubellil, L. Kebbab - Feeding habits of the golden jackal *Canis aureus*, the mongoose *Herpestes ichneumon* and the Genet *Genetta genetta* L. 1758 in the area of Djurdjura (North of Algeria).

17:40-18:00:

M. Sindjic, T. Gomercic, M. Jelencic, P. Polanc, T. Skrbinek, A. Slavica, D. Huber - Low genetic diversity of Eurasian lynx (*Lynx lynx*) from Croatia.

**SESSION 11 -Aspects of biology, ecology and evolution
of *Laonastes aenigmamus* (Rodentia, Diatomyidae)**

Organizers:

J. P. Hugot - hugot@mnhn.fr

A. Ribas – aribas@ub.edu

C. Feliu orgs - cfeliu@ub.edu

Room: Amphi 45A

Saturday 23 July

9:30-9:40:

J.P. Hugot - Generalities about *Laonastes aenigmamus*.

9:40-10:10:

V. Nicolas, V. Herbreteau, A. Couloux, C. Cruaud, K. Keovichit, B. Douangboupha, J.P. Hugot - Population genetics and distribution of *Laonastes aenigmamus*. Implications for taxonomy, biogeography and conservation.

10:10-10:30:

M. Gerbault-Seureau, F. Richard, K. Keovichit, J.P. Hugot - *Laonastes aenigmamus*: one species or more ? A cytogenetic study.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35:

M. Chabé, J.P. Hugot, Y. Janthakhin, N. Gantois, K. Keovichit, E. Dei-Cas - *Pneumocystis* (Fungi: Ascomycota) in *Laonastes aenigmamus* (Mammalia: Rodentia): how a pulmonary fungus could help to clarify both host taxonomy and phylogeography.

11:35-11:55:

A.C. Fabre, R. Cornette, A. Delapre, M. Baylac, K. Keovichit, J.P. Hugot - Skull Geometric Morphometry of *Laonastes aenigmamus*.

11:55-12:15:

J. Laakkonen, J Jernvall, T. Soveri, K. Keovichit, J.P. Hugot - Anatomy of the gastrointestinal tract and dental ecomorphology of the Laotian rock rat (*Laonastes aenigmamus*).

12:15-12:35:

A. Herrel, R. Cornette, A.-C. Fabre, T. Souter, D. Adriaens, P. Vanderniepen, L. Van Hoorebeke, J.P. Hugot - The masticatory system in *Laonastes aenigmamus*: function and development.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30:

A.M. Carter, J.P. Hugot - Placentation in *Laonastes aenigmamus* (Rodentia: Diatomyidae).

14:30-14:50:

V. Haukisalmi, H. Henttonen, J.P. Hugot - Phylogenetic relationships and taxonomy of cestodes of *Laonastes aenigmamus*.

14:50-15:10:

*A Ribas, P Foronda, C. Feliu, J.P. Hugot - *Laoxyuris laonastii*, a new pinworm genus and species parasite of *Laonastes aenigmamus*.*

15:30-17:00 - Closing Ceremony of the ECM – Poster Prizes (Gam)

SESSION 12 - Phylogeography

Organizers:

J. Michaux - Johan.michaux@ulg.ac.be

E. Randi - ettore.randi@infs.it

Room: Amphi Herpin

Thursday 21 July

9:00-9:30: Invited communication:

E.M. Geigl, M. Pruvost, S. De Lima Guimaraes, R. Schwarz, M. Hofreiter, B. Bertrand, M. Liouville, V. Bessa Correia, M. Meyer, F. Depaulis, M. Gautier, S. Ho, R. Arbogast, S. Braguier, S. Davis, L. Hachem, H. Hongo, G. Ilgezdi, C. Liesau von Lettow-Vorbeck, D. Moser, M. Özdoğan, J. Peters, A. Taglioacozzo, H.P. Uerpmann, T. Grange - Phylogeography of *B. primigenius* during the Holocene based on ancient mitochondrial DNA data.

9:30-9:50:

M. Sarà, J. Michaux - When an island matches a glacial refugium: the case of Sicilian mammals.

9:50-10:10:

J. Paupério, J.S. Herman, M. Jaarola, P.C. Alves, J.B. Searle - Lineage sorting in Eurasian field voles (*Microtus agrestis sensu lato*): a multilocus approach.

10:10-10:30:

E. Rodchenkova, N. Abramson - Ancient and recent hybridization between *Myodes glareolus* and *M. rutilus* (Rodentia)

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

M. Niedzialkowska, B. Jedrzejewska, K. Niedzialkowski, W. Jedrzejewski, K. Hundertmark, V. E. Sidorovich, R. Veeroja, E. Solberg, S. Laaksonen, H. Sand, V. Solovyev, M. Shkvryya, R. Juskaitis, G. Aizupiete - Genetic structure of moose *Alces alces* population in Europe.

11:35-11:55:

A. Banaszek, J. Ziomek, K.A. Jadwiszczak, E. Kaczyńska - Identification of the barrier to gene flow between phylogeographic lineages of the common hamster, *Cricetus cricetus*.

11:55-12:15:

S.I. Gabriel, M. da Luz Mathias, J.B. Searle - Colonisation history of the Azores archipelago by the house mouse (*Mus musculus*): clues from mtDNA and microsatellites.

12:35-14:00: Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

J.F. Cosson, A. Ben Faleh, C. Tatard, L. Granjon - Pseudocongruence in phylogeographical patterns in Mediterranean North Africa.

14:30-14:50:

J. Bryja, H. Patzenhauerová, O. Mikula, F. Matur, W.N. Chitaukali, E. Verheyen, R. Šumbera - Continental Islands – the biogeography of the East African forest-dwelling mountain Rodent *Praomys delectorum*.

14:50-15:10:

M. Ruedi, Y. Gager, B. Stadelmann, E.J.P. Douzery, C. M. Francis, L.K. Lin, A. Guillén-Servent, A. Cibois - Phylogeography of the cosmopolitan genus *Myotis* (Chiroptera) using model-based reconstructions.

15:10-15:30:

A. Latinne, S. Waengsothorn, V. Herbreteau, J.R. Michaux - Evidence of complex phylogeographic structure for the threatened Rodent *Leopoldamys neilli* endemic to limestone karsts of Thailand.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17:00-17:20:

A.D. McDevitt, K. Zub, A. Kawałko, J.M. Wójcik - Mitochondrial DNA variation in weasels (*Mustela nivalis*) from Poland: implications for postglacial colonization of Europe.

17:20-17:40:

T. Grange, E.A. Bennett, S. Champlot, M. Gautier, B. Arbuckle, A. Balasescu, S. Davis, V. Eisenmann, M. Germonpré, M. Mashkour, A. Morales Muniz, J. Peters, J.F. Tournepiche, H.P. Uerpman, E.M. Geigl - Phylogeography of the asiatic wild ass.

17:40-18:00:

S.L. Pishchulina, I.G. Meschersky, V.V. Rozhnov, L.V. Simakin, S.N. Kashtanov, O.E. Lazebnyy - Comparative estimation of genetic originality of the sable in the East and the West parts of distribution area.

SESSION 13 - Systematics and Barcoding

Organizers:

Geraldine Veron – veron@mnhn.fr

Manuel Ruedi - Manuel.Ruedi@ville-ge.ch

Room: Amphi 45A

Friday 22 July

9:00-9:30: Invited communication:

M. Ruedi - Cryptic lineages or cryptic species in European Barcoded bats (Chiroptera)?

9:30-9:50:

I. Artyushin, A. Bannikova, V. Lebedev, S. Kruskop - North palearctic serotines, molecular study.

9:50-10:10:

N. Nesj, E. Nakouné, C. Cruaud, A. Hassanin - DNA Barcoding of African fruit Bats (Mammalia, Pteropodidae). The mitochondrial genome does not provide a reliable discrimination between *Epomophorus gambianus* and *Micropteropus pusillus*.

10:10-10:30:

A.E. Balakirev - Phylogenetic structure of superspecies *Sorex araneus* with special emphasis to *S. satunini* haplotypic diversity.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

P.C. Alves, P. Boursot, J. Melo-Ferreira - Reticulate evolution and recurrent mitochondrial DNA introgression in hares (*Lepus* spp.).

11:35-11:55:

F. Jacquet, C. Denys - Barcoding of shrews (Soricomorpha, Soricidae) of Mont Nimba (Guinea, Liberia and Ivory Coast).

11:55-12:15:

M. Pagès, M. Galan, Y. Chaval, V. Herbreteau, S. Morand, J. Michaux, J.F. Cosson - How many species in the black rat complex (*Rattus rattus* sensu lato) in Southeast Asia?

12:15-12:35:

J. Darvish - Biosystematics of mouse-like hamsters genus *Calomyscus* (Calomyscidae, Rodentia), Iran.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:20:

E. Lyapunova, O. Brandler - Ancient hybridization in the genus *Marmotta* (Rodentia, Sciuridae) and position of *M. Olympus* in the molecular phylogenetic tree.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

18:00-20:00 - Plenary session (Amphi F1)

SESSION 14 - Urban Ecology

Organizers:

Christiane Denys - denys@mnhn.fr

Room: Amphi 55A

Thursday 21 July

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30:

J. Farkas, Z. Nagy, O. Dombi, B. Otlecz, T. Cserkés - Use of conflict maps and collision data to model collisions involving small and large mammals.

14:30-14:50:

N.F. Chernousova, O.V. Tolkach - Small mammal communities in forest site habitats transformed by urban environment.

14:50-15:10:

R. Rutkowski, M. Kozakiewicz, A. Gryczyńska-Sięmiątkowska, A. Kozakiewicz, A.S. Mikoszewski, T. Gortat - The genetic structure of two *Apodemus* species inhabiting city parks in Warsaw, Poland.

15:10-15:30:

A. Gamauf - Marten in the city – dietary plasticity in stone marten (*Martes foina*) in a city environment.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

SESSION 15 - Postglacial recolonization patterns and mechanisms

Organizers:

I. Horacek – horacek@natur.cuni.cz

A. Tresset – atresset@mnhn.fr

C. Callou - callou@mnhn.fr

Room: Amphi Herpin

Wednesday 20 July

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

M. Masseti - Postglacial re-colonisation: continental large-sized mammals in the circum-Mediterranean region.

14:30-14:50:

A. McDevitt, *R.F. Carden, J. Searle* - Mammals and the "Irish Question": Neolithic introductions of small and large mammals onto Ireland

14:50-15:10:

B. Bolfikova, *P. Hulva* - Evolutionary history of the genus *Erinaceus*.

15:10-15:30:

V. Kempe, *N. Abramson, M. Germonpré, J. Stewart, L. Dalén* - Ancient DNA reveals the glacial history of Norwegian Lemmings and their re-colonisation of Fennoscandia.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17:00-17:20:

M. Knitlová, Z. Suvova, D. Krejčová, I. Horáček - Detailed morphometrics reveals fine history of Holocene colonisation of Central Europe by four rodent taxa.

17:20-17:40:

A. Tresset, *C. Callou, R. Cornette, M. Pascal, J.D. Vigne* - Holocene small mammal communities at the north-western margin of Continental Europe: some zooarchaeological considerations about the timing of post-glacial re-colonisation.

17:40-18:10: Invited communication:

I. Horáček - Tempo and mode of the Holocene community rearrangements in Central Europe and concluding remarks on postglacial re-colonisation.

SESSION 16 - Introduced and invasive mammals in Europe: pattern and processes

Organizers:

Philippe Gaubert – gaubert@mnhn.fr

Piero Genovesi - piero.genovesi@isprambiente.it

Room: Amphi Herpin

Friday 22 July

9:00-9:30: Invited communication:

D.W.G. Foerster, M.L. Mathias, J. Britton-Davidian, J.B. Searle - Investigating the introduction of house mice to Madeira: examining mitochondrial and nuclear genomes.

9:30-9:50:

M. Oliver, J.J. Luque-Larena, X. Lambin - Do rabbits eat voles? The spatial dynamics of an indirect interaction in a native/invasive upland system.

9:50-10:10:

M. Sicilia, M. Miranda, J. Cassinello - Habitat selection patterns of native and exotic ungulates in a Mediterranean environment.

10:10-10:30:

A. Zalewski, M. Bartoszewicz - Adaptation of an alien species to a new environment: variation in the diet composition and body size of american mink over temporal and spatial scales.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

J. Gurnell, P.W.W. Lurz, W. Bertoldi - Changing distributions, management and disease; the impact of alien grey squirrels on native red squirrels in Britain, 1990-2010.

11:35-11:55:

M. Marsot, J.L. Chapuis, E. Ferquel, S. Bonnet, P. Gasqui, A. Dozières, M. Garnier, S. Masségli, G. Vourc'h - Is the introduced Siberian chipmunk (*Tamias sibiricus barberi*) an amplifying host of the lyme disease risk in a French periurban forest?

11:55-12:15:

I. Montgomery, M. Lundy, N. Reid - Hidden impacts and cumulative effects of invasive small mammals.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

S. Foster, C. King - Invasive European rats in Britain and New Zealand: same species, different outcomes.

14:30-14:50:

P. Genovesi, L. Carnevali, A. Alonzi, R. Scalera - Alien mammals in Europe: an assessment of the effects on biodiversity, and of the mechanisms of impact.

14:50-15:10:

A.A. Lissovsky, E. Baudry, E.V. Obolenskaya, B. Pisanu, J.-L. Chapuis - The origin of introduced populations of the Siberian chipmunk (*Tamias sibiricus*) on Ile-de-France.

15:10-15:30: Discussion

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

18:00-20:00 - Plenary session (Amphi F1)

SESSION 17 - Movement ecology

Organizers:

Hewison A.J.M. – Mark.Hewison@toulouse.inra.fr

Nathan R. - rnathan@cc.huji.ac.il

Room: Amphi Astier

Thursday 21 July

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication

D. Saltz, D. Kapota, R. Zidon, W. Getz - Decoding animal behavior from movement.

14:30-14:50:

J.S. Guittou, A. Avril, J. Letty, H. Santin-Janin, Y. Bray, S. Devillard - Natal dispersal in European hare (*Lepus europaeus*).

14:50-15:10:

L. Debeffe, N. Morellet, R. Bon, A.J.M. Hewison - Natal dispersal in roe deer: heavier animals disperse more frequently and further.

15:10-15:30:

J.M.G. Lundy, A. Harrison, D.J. Buckley, E.S. Boston, D.D. Scott, E.C. Teeling, W. I. Montgomery, J.D.R Houghton - Bats 'sit-and-wait' and learn to lévy triat: resource variability effects foraging movements.

15:30-15:50:

K. Holmala - The home range sizes and movements of Eurasian lynx in Finland.

15:50-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17: 00-17:20:

K. Norén, L. Carmichael, E. Fuglei, N. Eide, P. Hersteinsson, G. Samelius, L. Dalén, C. Kapel, I. Menuishina, C. Strobeck, A. Angerbjörn - On the importance of lemmings and sea ice: long-distance movement and genetic structure in the circumpolar Arctic fox.

17:20-17:40:

I.V. Voloshina - Monitoring and GIS-based range of sympatric species otter *Lutra lutra* and mink *Mustela vison* in the Russian Far East.

17:40-18:00:

S. LaPoint, R. Kays - Fisher movement patterns and corridor use across an urban gradient.

SESSION 18 - Biodiversity erosion and conservation in Europe

Organizers:

Giovanni Amori - Giovanni.amori@uniroma1.it
Krzysztof Schmidt - kschmidt@zbs.bialowieza.pl

Room: GAM (MNHN)

Saturday 23 July

9:40-10:10: Invited communication:

G. Santulli Sanzo, S. Palazón, Y. Melero, A. Gómez, L. Maiorano, A. Guisan, J. Gosalbéz - Modelling potential distribution of the western population of the endangered European mink (*Mustela lutreola*).

10:10-10:30:

G. Amori, A. Falcucci A., M. Masi, D. Russo, L. Boitani, L. Maiorano - Contribution of Natura 2000 to mammal conservation in Europe.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35:

A.R. Hof, R. Jansson, C. Nilsson - The importance of community level interactions in designing conservation strategies based upon species distribution modelling: a focus on future threats to the persistence of the arctic fox in Fennoscandia.

11:35-11:55:

K. Schmidt, M. Ratkiewicz, R. Kowalczyk, T. Podgórski, J. Fickel - Local threats for a globally common large carnivore – the Eurasian lynx.

11:55-12:15:

M. Vaisfeld - Brown bear in the European Russia at the beginning of the 21st century: current status, protection and use of resources.

12:15-12:35:

R. Kuhn - The French national otter action plan.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:10-14:30:

J.M. Némoz, F. Blanc, M. Sourie, A. Bertrand - A French conservation action plan for the pyrenean desman, *Galemys pyrenaicus*.

14:30-14:50:

J. Marmet, G. Lois, J. Birard, J.F. Julien, C. Kerbiriou. Current trends in French bats population highlighted by ancient banding data.

14:50-15:00:

Amori G., Schmidt K. - Discussion about presentations.

15:30-17:00 - Closing Ceremony of the ECM – Poster Prizes

SESSION 19 - Conservation and population genetics / genomics of Ungulates

Organizer:

Alain Frantz - alainfrantz@yahoo.co.uk

Room: Amphi 55B

Wednesday 20 July

9:00-9:30: Invited communication:

M. Scandura, L. Iacolina, D. Biosa, H.J. Megens, R. Crooijmans, L. Rund, M. Groenen, L. Schook, G. Bertorelle, M. Apollonio - Performance of different genetic markers in revealing the genetic make-up of a perturbed wild boar population.

9:30-9:50:

N. Šprem, T. Treer, V. Čubrić-Čurik, T. Florijančić, J. Jurić, I. Čurik - Microsatellite diversity and population structure of the wild boar in Croatia.

9:50-10:10:

A. Borkowska, M. Świśtocka, M. Ratkiewicz, M. Matosiuk, Z. Borowski, K. Krysiuk - Unexpected population genetic structure of the European roe deer in Poland: An invasion of the mtDNA genome from the Siberian roe deer.

10:10-10:30:

E.A. Bennett, S. Champlot, M. Gauthier, B. Arbuckle, A. Balasescu, R. Berthon, S. Davis, V. Eisenmann, M. Germonpre, M. Mashkour, A. Morales Muniz, J. Peters, J.F. Tournepiche, H.P. Uerpmann, E. Vila, J. Weber, T. Grange, E.M. Geigl - The first cross-bred hybrids of wild asses.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35 - Poster session (Atrium)

11:35-11:55:

A.C. Frantz, F.E. Zachos, N. Šprem, R. Kühn, A. Skog, M. Colyn, F. Chaumont, M.C. Flamand - Identification of illegally introduced deer and their source populations: a European perspective.

11:55-12:15:

M. Barančeková, J. Krojerová-Prokešová, I.V. Voloshina, A.I. Myslenkov, Y. Kawata, T. Oshida, Lamka J., P. Koubek - Where did they come from – The origin of sika deer population in the Czech Republic.

12:15-12:35:

E.V. Buzan, B. Zemanova, J. Bryja, Boris Krystufek - Microsatellite based genetic diversity and population structure of chamois (*Rupicapra rupicapra*) in a contact zone between the alps and Northwestern Balkans.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication:

M. Tokarska - Application of bovine SNP chips in conservation genetics of the European bison (*Bison bonasus bonasus*).

14:30-14:50:

H. Lerp, T. Wronski, M. Pfenninger, M. Plath - A phylogeographic framework for the conservation of saharan dorcas gazelles.

14:50-15:10:

T. Grange, M. Pruvost, S. De Lima Guimaraes, R. Schwarz, M. Hofreiter, B. Bertrand, M. Liouville, V. Bessa Correia, M. Meyer, F. Depaulis, M. Gautier, S. Ho, R. Arbogast, S. Braguier, S. Davis, L. Hachem, H. Hongo, G. Ilgezdi, C. Liesau von Lettow-Vorbeck, D. Moser, M. Özdogan, J. Peters, A. Taglioacozzo, H.P. Uerpmann, E.M. Geigl - The impact of neolithic domestication on the evolution of the genetic structure of cattle populations in Europe and southwest Asia.

15:10-15:30:

E.M. Geigl, E.A. Bennett, S. Champlot, M. Gautier, B. Arbuckle, A. Balasescu, S. Davis, V. Eisenmann, M. Germonpré, M. Mashkour, A. Morales Muniz, J. Peters, J.F. Tournepiche, H.P. Uerpmann, T. Grange - Population genetics of the Asiatic wild ass: insights from the past.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

SESSION 20 - Macroevolution

Organizers:

Sophie Montuire – Sophie.Montuire@u-bourgogne.fr

Stéphane Peigné - peigne@mnhn.fr

Room: Amphi Herpin

Wednesday 20 July

9:00-9:30: Invited communication:

L. Werdelin - The importance of time and geography to the study of mammal paleocommunities.

9:30-9:50:

P.H. Fabre, L. Hautier, R. Lebrun, E. Douzery - Opening of habitat and colonization exchanges drive diversification in South American Caviomorpha (Rodentia, Hystricognath).

9:50-10:10:

S. Montuire, G. Labonne, R. Laffont, E. Renvoisé: Time scale in evo-devo and emergence of new phenotypes the case of vole teeth (Rodentia).

10:10-10:30:

E. Renvoisé, A.R. Evans, A. Jebrane, C. Labruère, R. Laffont, S. Montuire, J. Jernvall - Evolution of mammal tooth patterns: new insights from a developmental prediction model.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

G. Veron, M.L. Patou, A.P. Jennings - Molecular systematics, life traits and ecological niches of the mongooses (Herpestidae, Carnivora).

11:35-11:55:

P. Gambaryan, A. Perepelova - The factors involving the evolution of locomotor apparatus in moles.

11:55-12:15:

P. Mariotti, P. Mazza - Evolution of lactation: When, how and why. New perspectives for paleontologists.

12:15-12:35:

Brief presentation of posters (G. Labonne et al. ; E.A. Petrova)

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

15:30-16:30 - Poster session (Atrium)

SESSION 21 - Mammalian population ecology

Organizers:

Otso Huitu – otso.huitu@metla.fi

Janne Sundell - janne.sundell@helsinki.fi

Room:Amphi 45A

Wednesday 20 July

9:00-9:30:

J.L. DeGabriel, S. Reidinger, F.P. Massey, S.E. Hartley, Lambin - Grasses bite back! The role of induced silica defences in vole population cycles.

9:30-9:50:

K. Korpela, H. Henttonen, E. Korpimäki, E. Koskela, H. Pietiäinen, J. Sundell, N.G. Yoccoz, O. Huitu - Trophic interactions key to climatic effects on herbivores.

9:50-10:10:

Z. Borowski - The impact of predation on small rodent population dynamics as exemplified by the root vole (*Microtus oeconomus*).

10:10-10:30:

I.A. Kshnyasev, Yu. A. Davydova - Small mammals population cycle in the Urals southern taiga and "predator-prey" scenario.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35:

I.Y. Popov - Dynamic and structure of lemming populations in western sea coast of Taimyr.

11:35-11:55:

H. Helle, E. Koskela, T. Mappes - Do population cycles promote different life history tactics? Experiments with the bank vole.

11:55-12:15:

K.J. Zueva, A.V. Smorkacheva - Spatial genetic structure and dispersal pattern of the mandarin vole (*Microtus mandarinus*).

12:15-12:35:

M. Haapakoski, J. Sundell, H. Ylönen - Predation risk and supplemental food: opposite effects on overwintering success and onset of breeding in the boreal rodent.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30:

B. Elmhagen, S.P. Rushton, A. Angerbjörn, P. Helle, P. Hellström, J. Kindberg, G. Ludwig, P.W.W. Lurz, M.D.F. Shirley, H. Lindén - Regime shifts in mammalian population ecology.

14:30-14:50:

R. Magnusdottir, R.A. Stefansson, M. von Schmalensee, D.W. Macdonald, P. Hersteinsson - Diet changes in American mink population in the Snæfellsnes Peninsula, West Iceland.

14:50-15:10:

E. Frisman - Tendencies of hunting mammals population dynamics: analysis of long-term account data, mathematical modeling, priorities and ways for mammal conservation.

15:10-15:30:

A. Angerbjörn, N.E. Eide, L. Dalén, B. Elmhagen, P. Hellström, R.A. Ims, S. Killengreen, A. Landa, T. Meijer, M. Mela, K. Norén Karin, M. Tannerfeldt, H. Henttonen - How to mitigate effects of climate change on arctic fox viability – a field experiment.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17:00-17:20:

M.W. Hizem, L. Hamdi, N. Semmar, S. Nouira - Contribution to the study of the biology of populations of three endangered species of Bovidae: scimitar-horned oryx (*Oryx dammah* Cretzschmar, 1826), addax (*Addax nasomaculatus* De Blainville, 1816) and mhorr gazelle (*Nanger dama mhorr* Bennett, 1833) in Bou Hedma National Park (Central Tunisia).

17:20-17:40:

M. Hindrikson, J. Remm, P. Männil, J. Ozolins, E. Tammeleht, U. Saarma - Cryptic structure, and unusually high proportion of breeders in grey wolf (*Canis lupus*) population under hunting pressure.

17:40-18:00:

N. Reid, J.E. Brommer, R.A. McDonald, W.I. Montgomery - Climate destabilisation and agricultural intensification linked to changes in hare population dynamics and long-term decline.

SESSION 22 – General Session

Organizers:

Christiane Denys - denys@mnhn.fr

Stéphane Aulagnier - stephane.aulagnier@toulouse.inra.fr

Room: Amphi 55A

Wednesday 20 July

9:00-9:30: Invited communication:

S. Churchfield, L. Rychlik, J.R.E. Taylor - Does food limitation in winter explain dehnel's phenomenon in soricine shrews?

9:30-9:50:

M. Ziege, T. Wronski, D. Bierbach, L.M. Czupalla, H. Lerp, M. Plath - Rival presence leads to reversible changes in male mate choice in a desert dwelling ungulate.

9:50-10:10:

J. Tapisso, G. Ramalhinho, M.L. Mathias, L. Rychlik - Competitive release of the Mediterranean water shrew (*Neomys anomalus*) living in Portugal.

10:10-10:30:

P. Kardynia, L. Rychlik - Wintering adaptations of the pygmy shrew *Sorex minutus* and the Eurasian water shrew *Neomys fodiens*.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication:

S. von Merten, B.M. Siemers.- Exploratory behaviour relates to life history strategy In shrews.

11:35-11:55:

G. Naderi - Habitat preferences of wild goats (*Capra aegagrus*) in Agh-Dagh protected area, Iran.

11:55-12:15:

G. Naderi, M.R. Hemami, M. Karami, S. Mohammadi - Habitat associations of Iranian jerboa (*Allactaga firouzi* Womochel 1978).

12:15-12:35:

L. Rychlik, S. Churchfield, J.R.E. Taylor, P. Kardynia, M. Bogdziewicz - Seasonal changes in space use, activity and foraging behaviour as elements of wintering strategy of the common shrew.

12:35-14:00 - Lunch (University restaurant) / Visit of exhibition area (Atrium)

14:00-14:30: Invited communication

R. Asher, L. Hautier - Patterns of variation and development in the mammalian axial skeleton.

14:30-14:50:

J. Luaces, L. Rossi, M. Merani - Interesting features of the specialized urogenital tract in *Xenarthra* Cope, 1889.

14:50-15:10:

D. Nowakowski - Paleopathology of *Ursus spelaeus* from bear's cave, Poland.

15:10-15:30:

E. Koskela, T. Mappes, S.C. Mills, M. Mokka, E. Schroderus - Sexual conflict over testosterone – antagonistic selection pressures between sexes in the bank vole.

15:30-16:30 - Poster session (Atrium)

16:30-17:00 - Coffee break / Visit of exhibition area (Atrium)

17:00-17:20:

B.F. Simões, H. Zhao, S. Zhang, S. Rossiter, E.C. Teeling - Blind as a bat? Comparative genomics illuminates the evolution of colour vision in bats.

17:20-17:40:

Y. Melero, G. Santulli, A. Gómez, M. Podra, J. Gosàlbez, S. Palazón - Population dynamics of european mink *Mustela lutreola* in Spain: population trends, prospective analysis and management targets.

17:40-18:00:

S. Maciak, E. Bonda-Ostaszewska, M. Konarzewski - Cellular architecture of laboratory mice selected for high and low basal metabolic rate.

Thursday 21 July

9:00-9:30: Invited communication:

M.A. Mares - Mammals of Argentina: patterns of discovery.

9:30-9:50:

J. Farkas, F. Pokorni, T. Standovár - Effect of vegetation structure on small mammal communities in different type of forests.

9:50-10:10:

E. Tobin, Leberg, Visser, Peterson - A comparison of marsh vegetation types using occupancy studies of small mammal populations in Louisiana.

10:10-10:30:

K. Hackländer, H. Jenny - Effects of global warming on hares in the alps: two sides of a coin.

10:30-11:15 - Coffee break / Visit of exhibition area (Atrium)

11:15-11:35: Invited communication

A. Valentini, C. Miquel, E. Coissac, F. Pompanon, P. Taberlet - DNA barcoding for herbivorous diet analysis.

11:35-11:55:

W. Shehzad, C. Miquel, E. Coissac, F. Pompanon, M. Ali Nawaz, P. Taberlet - Carnivores diet analyses using DNA barcoding.

11:55-12:15:

C. Redjadj, S. Saïd, D. Maillard, F. Klein, P. Taberlet, A. Loison - Diet variation during food restriction in wild mountain herbivores.

12:15-12:35:

N. Kayvanfar, *M. Aliabadian* - Biogeography and hotspots of mammalian species of Iran: implications to reserve selection and conservation.