



The IMC10 Sympos (a sample)

MARSUPIAL DEVELOPMENT AND REPRODUCTION

Lynne Selwood: **Marsupial fertility control using vaccines directed against developmental proteins**

Doug Eckery: **Ovarian follicular growth in the brushtail possum (*Trichosurus vulpecula*)**

William Breed: **Sperm-Egg Interactions in Australian and American Marsupials-what can we learn from morphology?**

Yolanda Cruz: **Developmental gene expression in *Monodelphis domestica* embryos**

Marilyn B Renfree: **Molecular control of the diapausing marsupial embryo**

Stephen Frankenberg: **Mechanisms of pluripotency in marsupials**

Bronwyn McAllen: **Environmental control of reproduction in marsupials**

HISTORICAL BIOGEOGRAPHY OF NEOTROPICAL MAMMALS: THE SETTING

Francisco J. Goin: **Origins, Radiations, and Distribution of South American Metatherians: From the Greenhouse to the Icehouse Worlds**

John J. Flynn: **Early to middle Cenozoic Andean faunas shed new light on the evolution of South American mammals, environments, and mountains**

Sergio Vizcaino: **On the evolution of large size in mammalian herbivores of Cenozoic faunas of South America**

Francisco J. Prevosti and Leopoldo H. Soibelzon: **Evolution of the South American carnivores (Mammalia, Carnivora): a paleontological perspective**

Eduardo Eizirk: **A molecular view on the evolutionary history and biogeography of Neotropical carnivores (Mammalia, Carnivora)**

Liliana Dávalos & Samuel T. Turvey: **West Indian mammals: The old, the new, and the recently extinct**

Duke S. Rogers & Ana Laura Almendra: **Biogeography of Central American Terrestrial Mammals: Patterns and Processes**

HISTORICAL BIOGEOGRAPHY OF NEOTROPICAL MAMMALS: THE PATTERNS

Burton K. Lim: **Biogeography of mammals from the Guianas of South America**

Leonora P. Costa & Yuri Leite: **Historical Biogeography and phylogeographic breaks in the Atlantic Forest of southeastern Brazil.**

Cibele Bonvicino: **Amazonian phylogeography: the role of the Rio Negro on the diversification of land mammals**

Alfredo Langguth: **The role of Cerrado and Caatinga on mammalian diversification**

Bruce Patterson & Sergio Solari: **Diversity pumps, cradles and museums: the biogeography of Andean mammals**

Enrique P. Lessa, Guillermo D'Elía and Ulyses F. J. Pardiñas: **Diversification of small mammals in Patagonia and Tierra del Fuego**

ECOLOGICAL NICHE MODELING IN ANALYSIS GEOGRAPHIC DISTRIBUTION OF MAMMALIAN SPECIES: APPROACHES, PERSPECTIVES AND APPLICATIONS

Eugenyi Novikov: **Adrenocortical function as indicator of population health and its possible impact on species distribution.**

John Wieczorek : **Life is uncertain: the wrong place at the wrong time**

Sahotra Sarkar : **Ecological niche modeling, climate change and emerging diseases.**

Marcelo Tognelli : **Application of ecological niche models in conservation and species introduction in southern South America.**

Enrique Martínez-Meyer : **Use of ecological niche modeling in climate change research.**

Jorgelina Marino: **Ecological niche modeling for the rare and specialized Andean cat: Implications for conservation in the High Andes.**

Georgy Shenbrot : **What can we learn about ecological niche from the species distributional data?**

Sánchez-Cordero, Víctor : **Applications of ecological niche modeling to problems of conservation, public health and crop pests.**

INVASIVES IN THE NEOTROPICS: COUNTRY REPORTS AND PROSPECTS FOR CONTROL

Marta Lizarralde, R Ojeda, W Flueck, ML Guichón and N. Bonino : **Invasive Mammals in Argentina**

Carlos R Ruiz-Miranda : **Invasive mammals in Brazil: problems arising from livestock and from the illegal wildlife trade**

Fabián Jaksic and Ariel Farías : **Causes, pathways, and consequences of mammalian invasions in Chile**

Gerardo Ceballos and Rodrigo Medellín : **Diversity, composition and distribution of the introduced mammals of México**

Victor R. Morales M., Horacio Zeballos and Milagros Jiménez: **Exotic mammals in Perú: What do we know about invasions?**

Matías Arim: **Ecological patterns of mammal invasions in Uruguay**

MAMMALIAN PHYLOGEOGRAPHY

Ettore Randi: **Phylogeography of European mammals**

Joe Cook: **Phylogeography of North American mammals**

Eduardo Palma, P: **Phylogeography of South American mammals**

Eline Lorenzen: **Phylogeography of African mammals**

Nuno Ferrand: **Phylogeography of the rabbit**

Sofia Gabriel: **Global phylogeography of a commensal mammal: the house mouse**

ADVANCES IN MAMMALIAN CYTOSYSTEMATICS: INSIGHTS FROM NEW MOLECULAR TECHNIQUES AND FROM NEW FIELD EXPLORATIONS

Robinson, T. J.: **Homoplasy, hemiplasy, and ancestral states: phylogenetic reconstructions of mammalian karyotypes based on chromosome painting and genome sequence assemblies**

Elkin Suárez, José Núñez, Nélica Köhler, Rodrigo Cárdenas, Jorge Torres and Milton Gallardo:

Allotetraploidy and reticulate evolution in South American octodontid

Adriaan Engelbrecht, Peter Taylor, S.R. Daniels and R.V. Rambau: **Phylogeography of the southern African vlei rat, *Otomys irroratus*, inferred from chromosomal and DNA sequence data**

Rambau, R.V. and Broucke, A.: **Comparative cytogenetics of southern African rock mice, *Aethomys* (Rodentia: Muridae).**

Irina Bakloushinskaya and Elena Lyapunova Koltzov: **Robertsonian fan of *Ellobius tancrei*: temporal and spatial analysis.**

Fagundes, V.: **When karyotypes tell the evolutionary history of a species: examples of rodents from Atlantic forest in Eastern Brazil**

MAMMAL DISEASE ECOLOGY: INFECTION AND HOST POPULATION DYNAMICS

Heikki Henttonen: **The ecology of Puumala hantavirus in Europe**

Michael Begon: **Hosts, infections, coinfections, and vicious circles**

James Mills: **Prevalence and transmission of zoonotic pathogens in natural hosts: examples from the rodent-borne hemorrhagic fevers**

Eva Kallio: **Maternal antibodies and disease transmission dynamics in rodents**

Herwig Leirs: **Plague transmission ecology**

DARWINIAN JOURNEYS

Eviatar Nevo: **Darwinian evolution: Adaptive radiation and speciation of blind subterranean rodents, *Spalax*, in Israel**

Roberto Nespolo: **The evolution of Darwinian logic: do we need an extended evolutionary synthesis?**

Pavel Borodin and Claudio J Bidau: **Romantic Darwin**

Claudio J Bidau: **From Bahia to Maldonado: a tale of things to come**

Paul Handford: **Darwin's wanderings in Argentina**

Michael Ruse :**Darwin and Tierra del Fuego: More important than the Galapagos?**

MESOPREDATOR RELEASE: ECOLOGICAL EFFECTS OF INTERACTIONS AMONG MAMMAL PREDATORS, AND THEIR IMPORTANCE TO BIODIVERSITY CONSERVATION

Euan Ritchie and Chris Johnson:**Mesopredator release and biodiversity conservation, an overview**

Mike Letnic : **An alien top-predator stems mammal extinctions**

Bodil Elmhagen: **Top predators, mesopredators and their prey: top-down or bottom-up?**

Gilbert Ludwig : **Large carnivore comeback reshapes the boreal forest community**

Al Glen : **Introduced predator control and the response of native marsupial carnivores in south-western Australia**

Iain Trewby: **experimental evidence of mesopredator release**

ECOLOGICAL ASPECTS OF MAMMAL-PARASITE RELATIONSHIPS

Krasnov, Boris R: **Are there general rules in the ecology of mammal-ectoparasite interactions?**

Serge Morand: **Mammal origin of human parasites**

Hugot, Jean-Pierre: **Coevolution between mammals and parasites**

Blasdell, Kim: **Mammals and viruses**

Nunn, Charles: **Primate infectious disease from the micro- to the macro-scale: integrating agent-based modeling and comparative research**

Christe, Philippe: **What can mites tell us about the phylogeography of their bat hosts?**

Rizzoli, Annapaola: **Relative contribution of climate change and land use change in affecting tick-rodent interaction**

Henttonen, Heikki: **Comparative phylogeny and phylogeography of anoplocephalid cestodes and their arvicoline rodent hosts in the Holarctic.**

Dick, Carl: **Ecology and host associations of ectoparasitic bat flies (Diptera: Streblidae and Nycteribiidae).**

Reed, David **Of lice and men: the inference of past ecological events in cospeciating host and parasites**

THE FUTURE OF THE WORLD'S MAMMALS: THE IUCN REDLIST DATABASE AS A TOOL IN CONSERVATION MODELING AND PLANNING

Federica Chiozza , Luigi Boitani and Carlo Rondinini: **Where? A habitat suitability assessment for the worlds mammals**

Luigi Maiorano and Alessandra Faluccci: **Scenarios for the future of mammals in SE Asia.**

Mike Hoffmann: **Requiem for the Addax - and how to save a continental fauna.**

Jan Schipper and Jose Fernando Gonzalez-Maya: **Burning bridges: what future for the Central American mammals**

Tom Lacher and John Lamoreux : **Endemism and the Southern Hemisphere.**

Giovanni Amori: **Rodents: the small majority?**

Monik Opreah, Rodrigo Medellín and Paul Racey: **Flying into danger: threatened bats of the world.**

Andrew Smith: **Lagomorphs in a changing world.**

Jerry Belant, et al: **Carnivore conservation in the New World.**

Carlo Rondinini: **Present and future irreplaceable sites for mammal conservation**

CTENOMYS: NEW RESEARCH PERSPECTIVES FROM SOUTH AMERICAN SOIL

Thales R.O. Freitas, Gabriela P. Fernandez-Stolz, Carla M. Lopes, Fabiano Fernandes; Rodrigo Fornel, Gislene Gonçalves and Pedro Estrela **Evolution, phylogeography and population genetics in four species of *Ctenomys* in the South of Brazil**

Aldo Vassallo: **Species and Population boundaries in a changing environment in the South American subterranean rodent *Ctenomys***

Patricia Mirol: **Evolutionary morphology of the genus *Ctenomys*: review and prospect**

Andrés Parada, Guillermo D'Elía and Enrique Lessa: **Species groups and the evolutionary diversification of tuco-tucos, genus *Ctenomys***

Ana Paula Cutrera, Eileen Lacey, Roxana Zenuto, Facundo Luna and Daniel Antenucci: **Immune variability in tuco-tucos: genetic influence, fitness benefits and energetic costs**

Carlos Borghi, Natalia Borrueal, Natalia Andino Gabriela Canovas, A. Rodríguez Navas, Graciela Agüero, Ana Srur, Carolina Rivero y Graciela Díaz: ***Ctenomys mendocinus*, a keystone species and an ecosystem engineer at the south of the Desertic Puna**

Federico Vera, Roxana Zenuto and Daniel Antenucci: **Studying stress and homeostasis in tuco-tucos: unusual physiological traits revealed when laboratory and field studies work together**

Eileen Lacey: **Social systems of ctenomyids: New developments and new discoveries**

LIVING IN A DEFAUNATED WORLD: THE ROLE OF LARGE MAMMALS IN KEY ECOLOGICAL PROCESSES

Mauro Galetti: **10,000 years of mammal extinction and their ecological footprints in South America**

Chris Johnson (Townsville, Australia): **Australian extinctions**

Rob Pringle: **Trophic and non-trophic indirect effects of large African herbivores**

Alexine Keroughlian: **The impacts of trophic effects and ecological engineering by white-lipped peccaries in the Neotropics**

Harald Beck: **Trophic and non-trophic -ecosystem engineering- interactions of peccaries (Tayassuidae)**

SPECIATION AND SPECIES LIMITS IN SMALL MAMMALS

Jeremy Searle: **Speciation and species limits in small mammals**

Robert Baker: **Species definitions in small mammals**

Boris Kryštufek: **The radiation of Eurasian voles**

Chris Faulkes: **Behaviour and speciation in subterranean rodents**

Mabel Giménez: **Chromosomal speciation in house mice**

Noemi Gardenal: **Ecological aspects of species radiations/speciation in small mammals**

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