

DRAFT PROGRAM – 20 August (subject to change); PLENARY = ~45+10'; Oral = 15+5'; P+3' = Speed talk plus poster

Monday 1st September (0800-1745); Welcome Reception 1800-1900h; POSTERS from 1200h

Managing overabundant rodents

Steve Henry	Australia	PLEN	Listening to farmers to improve house mouse management
Matthew Rees	Australia	Oral	Forecasting mouse plagues in Australian grain growing regions
Jim Hone	Australia	Oral	In wildlife conservation and pest control, do management efforts cause the observed outcomes and show diminishing returns?
Peter Banks	Australia	Oral	Improving rodent trap success using information decoys
Dave Forsyth	Australia	Oral	Population dynamics of the non-native house mouse (<i>Mus musculus</i>) in pasture–cropping systems, New South Wales, Australia
Nyo Me Htwe	Germany	Oral	Population dynamics of rodents in Southeast Asian rice fields and their association with rainfall changes
Roman Fornesa	Philippines	Oral	Evaluating the effectiveness of relative abundance techniques (RATs) for monitoring rodent abundance and predicting rodent damage in rice agroecosystems in the Philippines
Hashani Jayaweera	Sri Lanka	Oral	A comparative study on the trapping efficiency of five different types of traps for rice field rodents in Sri Lanka
Ryoko Koizumi	Japan	Oral	Understanding the behaviour of black rats: year-round diel activity pattern and trap responses on a livestock farm
Junhu Su	China	Oral	Outbreak mechanisms and prevention methods of a subterranean rodent in the eastern margin of Qinghai-Tibet Plateau
S.R. Sarathchandra	Sri Lanka	Oral	A study on Bg 403 rice variety as a trap crop on the management of <i>Bandicota bengalensis</i> (Lesser Bandicoot Rat) in rice cultivation, Sri Lanka
P-1: Ryan Sarre	Australia	P+3'	Rapid assessment of mouse abundance across Australia to predict house mouse outbreaks
P-2: Jared Trask	USA	P+3'	PESTMAP: Development of an Agent Based Model to simulate rodent movements in agricultural settings
P-3: Todisoa Radovimiandriny	Madagascar	P+3'	Preferred habitat and reproduction of introduced small mammals (<i>Mus musculus</i> , <i>Rattus rattus</i> and <i>Suncus murinus</i>) in rural villages of Analavory, highland of Madagascar

P-4: Soanandrasana Rahelinirina (Randrianirina)	Madagascar	P+3'	Rodent mobility within vulnerable urban socio-ecosystems: a study in Antananarivo, Madagascar
P-5: Nyo Me Htwe (Huels)	Germany	P	Improving effectiveness in the management of Norway rats through adaptations of non-chemical alternative

Physiology

Hanyi Zhu	China	Oral	Gut microbes mediate rodent responses to environmental change
Chaoyuan Cheng	China	Oral	Dietary shift caused dramatic diversity loss and instability of gut microbiota in Brandt's vole
Jianshi Jin	China	Oral	Profiling the microbiota of wild rodents through high-throughput single-cell analysis
Zhenlong Wang	China	Oral	Fuel source shift or cost reduction: Context-dependent adaptation strategies in closely related <i>Neodon fuscus</i> and <i>Lasiopodomys brandtii</i> against hypoxia
Qinghua Li	China	Oral	GDF15 Up-regulation in Brandt's voles hippocampus under acute hypoxia: driving metabolic reprogramming
P-6: Dawei Wang (Hilal)	China	P+3'	Variations in microbial function along density gradients in soil and the Brandt's vole's gut
P-7: Dawei Wang (Wang)	China	P+3'	Gut microbiota are potentially involved in the postnatal development and photo-refractoriness of gonadal activity under different photoperiodic exposure in male Brandt's vole
P-8: Qinghua Li (Lu)	China	P+3'	Studies on the role of microglia in hypoxic injury of hippocampi of <i>Lasiopodomys brandtii</i>
P-9: Zhenlong Wang (Song)	China	P+3'	Molecular Mechanism of Timp2 mediated Liver Hypoxia Tolerance in Brandt's Voles

Tuesday 2nd September (0800-1800h)

Human-wildlife interactions

Belmain	UK	PLEN	Putting rodents at the centre of One Health programmes - lessons and experiences
Himsworth	Canada	PLEN	From data to knowledge to wisdom: lessons learned from the Vancouver Rat Project
Costa	Brazil	PLEN	Rodent management in urban landscapes – developing country perspectives
Katherine August	UK	Oral	Invasive species management strategies in a One Health system
Ko-Huan Lee	Australia	Oral	Disease profiling of mouse populations in grain cropping regions of Australia

Herwig Leirs	Belgium	Oral	Rodentgate: future rodent management for pig and poultry health
Juan José Luque-Larena	Spain	Oral	Cyclic common vole populations drive recurrent risk of tularemia in mediterranean farmland
Algimantas Paulauskas	Lithuania	Oral	Rodents and their role in zoonotic disease transmission in a highly endemic European zone
Vincent Sluydts	Belgium	Oral	Drivers of host-pathogen community assemblies in European forests and urban green spaces
Marina Voinson	Belgium	Oral	Rodent-borne pathogen dynamics and control in agricultural environments: an eco-epidemiological modeling approach
Voahangy Soarimalala	Madagascar	Oral	Ecological and zoonotic impacts of <i>Rattus rattus</i> in Madagascar: evidence from repeated trapping across diverse habitats
Noh Ismail	Singapore	Oral	Environmental risk factors and hotspot identification for rat activity in Singapore
Yan Zhuang	Singapore	Oral	Urban rats, hidden threats: direct genotyping of <i>Leptospira</i> using a multi-locus sequence typing approach
Soanandrasana Rahelinirina	Madagascar	Oral	Zoonotic risk at the edge: plague and leptospirosis in rodent populations in rural Madagascar 2022 - 2024
Egidius Rwebuga	Tanzania	Oral	Structure of small mammal communities in agricultural land and communally protected forest within a plague focus in Karatu District, Tanzania
Carly Hilbert	Canada	Oral	Mapping the harms of urban rats: a scoping review of social, economic and health impact
Yukun Kang (Evol biol)	China	Oral	Genetic differentiation and interspecific gene introgression in Myospalacinae: a study from grassland ecosystems on the Qinghai-Tibet Plateau
P-10: Pauline Van Leeuwen	Belgium	P+3'	Microbiome insights into zoonotic risk at wildlife-human interfaces in a transitioning landscape in Thailand
P-11: Soanandrasana Rahelinirina (Andrianarisoa)	Madagascar	P+3'	Rickettsial diseases as an under-documented infectious risk in disadvantaged urban areas: a case study in an observatory site in Antananarivo, Madagascar.
P-12: Herwig Leirs (Marien)	Belgium	P+3'	Biodiversity changes in African forests and the emergence of infectious diseases: should we worry?

P-13: Federico Costa (Awoniyi)	Brazil	P+3'	Improving urban rodent management through movement assessment in high-risk communities
P-14: Carly Hilbert	Canada	P+3'	From rat counts to risk counts: applying the Rat Risk Index to urban rodent management in Richmond, British Columbia
P-15: Mino Rajerison/ Soanandrasana Rahelinirina	Madagascar	Oral or P+3'	Plague in small mammals from an endemic focus of the Malagasy Central Highlands: A longitudinal survey with a special reference on black rats (<i>Rattus rattus</i>)

Wednesday 3rd September (0830-1300); Half day field trip (1400-1830)			
Emerging technologies			
Paul Thomas	Australia	PLEN	Developing CRISPR gene drives for invasive rodent population suppression
Kevin Oh	Australia	Oral	Toward translation of the world's first murine gene drive: from laboratory proof-of-concept to island deployment
Aysegul Birand	Australia	Oral	Evaluating the eradication potential of gene drives in invasive mice and rat populations
Chloe Faulks	Australia	Oral	Mouse surveillance case study using an autonomous sensing platform
Charles Eason	New Zealand	Oral	Advancing the registration of norbormide as an alternative to broad-spectrum rodenticides
Xiao-Hui Liu	China	Oral	Application of seasonality in designing and optimizing the data acquisition framework for rodent pest monitoring and early warning
Dawei Wang	China	Oral	Application of intelligent monitoring technologies for wild rodents in agro-pastoral ecosystems in China: current status and development trends
Neena Singla	India	Oral	Nano-encapsulation of fertility control agents: a game-changer for long-term oral contraception in rodents
P-16 Dimple Mandla	India	P+3'	Tiny particles, big impact: extended reproductive suppression via Quinestrol nanobait
P-17: Mathea Michie	Australia	P+3'	Establishing a wild house mouse colony to support translational research for gene drive
Thursday 4th September (0830-1730)			

Social attitudes and knowledge

Flor	Cambodia	PLEN	Scaling op rodent management: leveraging stakeholder networks, communication strategies, and innovative solutions
Lucy Carter	Australia	Oral	Recognising the multiple, interrelated human and social impacts of an Australian mouse plague
Aditi Mankad	Australia	Oral	A model of psychosocial impacts during the 2021 NSW mouse plague
Walter Okelo	Australia	Oral	The economic impact of the 2021 NSW mouse plague
Rebecca Paxton	Australia	Oral	Living with mice: Perspectives on mice and mouse management from a South Australian community case study.
Sydney Newell	USA	Oral	Pestilence and Power: Rat Control, Identity Formation, and Statecraft across Bermuda, Virginia, and New York City
Karmadine Hima	Niger	Oral	Walking towards EBRM within poor urban settings: a comparative analysis of Knowledge, Attitudes and Perceptions on rodent issues in Benin, Madagascar and Niger
P-18: Karmadine Hima	Niger	P+3'	Biological invasions of rodents in West Africa: Introducing the Wan@bi Network as a multi-stakeholder science-society interface tool

Thursday 4th September (0830-1730) (continued)

Evolutionary biology (parallel session)

Zandile Fakude	South Africa	Oral	Integrative taxonomy reveals diversity of commensal rodents and their co-occurrence with non-commensal small mammals in urban and agricultural habitats in the eastern Free State
Ying Song	China	Oral	Spread of a single anticoagulant resistance <i>Vkorc1</i> haplotype in Asian house rats across China
Diane Castillo (MOR)	Philippines	Oral	From traps to maps: Integrating optimized habitat and distribution modelling to advance ecologically rodent based management in the Philippines, with special reference for <i>Rattus</i> species
Willilam Breed	Australia	Oral	The reproductive biology of Australian hydromyine rodents
Wieteke Holthuijzen	USA	Oral	Failed mouse eradication on Sand Island: a case of novel rodenticide resistance?
Alexey Surov	Russia	Oral	The genetic structure of semi-commensal rodents in urban areas (an example of the common hamster)

Natalia Feoktistova	Russia	Oral	Genetic structure and parasitic load of striped field mouse (<i>Apodemus agrarius</i>) in a megacity
Lehlohonolo Mofokeng	South Africa	Oral	Ectoparasite communities of small mammals from different habitats in the eastern Free State, South Africa
P-19: Yan Zhuang (Sena Neves)	Singapore	P+3'	From whiskers to DNA: unravelling <i>Rattus</i> diversity and its implications for urban management in Singapore

Thursday 4th September (0830-1730) (continued)

Behavioural ecology (Parallel session)

Samaniego	Australia	PLEN	Rodent eradications on islands: bridging strategic vision and operational success
Shani Masani	Australia	Oral	Black rats generalise across olfactory cues of different birds
Nikki Van de Weyer	Australia	Oral	Revealing burrow secrets: a short-term study of social organisation in free-living house mice
Xianfeng Yi	China	Oral	The maintenance mechanism of spatial memory in hibernating food-storing rodents: a case study of the Siberian chipmunk
Laura Grant	Australia	Oral	Behavioural drivers of responses of introduced rats to management devices: effect of rat origin and bait station construction material.
Catherine Price	Australia	Oral	Multimodal information use by foraging rodents – if, when, why?
Changlu Wang	USA	Oral	Using game cameras to monitor Norway rat foraging and nesting behaviour in apartment buildings
Pei-Jen Shaner	Taiwan	Oral	Ultrasonic vocalizations in adult Taiwan voles (<i>Alexandromys kikuchii</i>)
Georgia Muller	South Africa	Oral	Vocalisation library development for nine rodent species in Mpumalanga, South Africa

Friday 5th September (0830-1630h), including closing remarks; Conference dinner (1730-2200h)

Ecology and Conservation

Xavier Lambin	UK	PLEN	Conserving an endangered cultural icon, the water vole, in the face of American mink invasion of Britain: ecology, management and people
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Aaron Greenville	Australia	PLEN	Contrasting dynamics of small desert mammals and the implications for conservation and management
Zhibin Zhang	China	Oral	Broad-scale climate change drives population dynamics of rodents
Mmatsawela Ramahlo	South Africa	Oral	Minimally invasive data collection techniques for long-term monitoring of ecosystem health using free-ranging southern African rodents as biological indicators
Maria Oosthuizen	South Africa	Oral	Rodents in the Anthropocene: the importance of temporal niches
Nico Avenant	South Africa	Oral	Reimagining small mammal monitoring: a non-invasive approach using footprint identification technology
Justin Ladia	Philippines	Oral	Effects of habitat characteristics on the diversity and abundance of rodents in the forest ecosystem of Mt. Mingan, Dingalan, Aurora, Northern Sierra Madre, Philippines
Aris Reginaldo	Philippines	Oral	Small-mammal community structure in disturbed landscapes in upland Central Cordillera, Luzon Island, Philippines
Emerson Vieira	Brazil	Oral	Differential use of a keystone plant resource by small rodents in the sub-tropical Brazilian Atlantic Forest
Risnelli	Indonesia	Oral	Foraging behaviour of rice-field rats (<i>Rattus argentiventer</i>) in the presence of barn owls (<i>Tyto alba</i>) in Aceh, Indonesia
P-20: Desmarie Fernandez	Philippines	P+3'	Spatial ecology of endemic squirrels in Puerto Princesa Subterranean River National Park, Palawan Island, Philippines
P-21: Hima (Granjon)	France_Niger	P+3'	ObsMiCE, West African Observatory of small mammal indicators of environmental changes
P-22: Kong Yang	China	P+3'	Effect of bioturbation by plateau pika (<i>Ochotona curzoniae</i>) on soil carbon and nitrogen stocks in alpine meadows
P-23: Anamaria Lazar	Romania	P+3'	Structural and functional responses of small mammal communities to land abandonment in a region of high biodiversity
Grant Singleton / Lyn Hinds	Australia		Awards and closing remarks.
Conference dinner			Gold Creek Station, Hall, ACT