

DRAFT PROGRAM - 1st August (subject to change); PLENARY = ~45+10'; Oral = 15+5'; P+5' = Speed talk plus poster

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

Managing overabundant rodents

Henry	Australia	PLEN	Listening to farmers to improve house mouse management
Rees	Australia	Oral	Forecasting mouse plagues in Australian grain growing regions
Hone	Australia	Oral	In wildlife conservation and pest control, do management efforts cause the observed outcomes and show diminishing returns?
Forsyth	Australia	Oral	Population dynamics of the non-native house mouse (<i>Mus musculus</i>) in pasture–cropping systems, New South Wales, Australia
Banks	Australia	Oral	Improving rodent trap success using information decoys
Castillo	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
Htwe	Germany	Oral	Population dynamics of rodents in Southeast Asian rice fields and their association with rainfall changes
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
Jayaweera	Sri Lanka	Oral	A comparative study on the trapping efficiency of five different types of traps for rice field rodents in Sri Lanka
Koizumi	Japan	Oral	Understanding the behaviour of black rats: year-round diel activity pattern and trap responses on a livestock farm
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
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
Selemani	Tanzania	Oral	Effect of intensive removal on rodent abundance and seroprevalence of <i>Leptospira</i> among rodents in rural households in Kilombero district, Tanzania

Su	China	Oral	Outbreak mechanisms and prevention methods of a subterranean rodent in the eastern margin of Qinghai-Tibet Plateau
Trask	USA	P+5'	PESTMAP: Development of an Agent Based Model to simulate rodent movements in agricultural settings
Sarre	Australia	P+5'	Rapid assessment of mouse abundance across Australia to predict house mouse outbreaks
Radovimiandrinifary	Madagascar	P+5'	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
Randrianirina	Madagascar	P+5'	Rodent mobility within vulnerable urban socio-ecosystems: a study in Antananarivo, Madagascar

Physiology

Zhu	China	Oral	Gut microbes mediate rodent responses to environmental change
Cheng	China	Oral	Dietary shift caused dramatic diversity loss and instability of gut microbiota in Brandt's vole
Jin	China	Oral	Profiling the microbiota of wild rodents through high-throughput single-cell analysis
Hilal	China	P+5'	Variations in microbial function along density gradients in soil and the Brandt's vole's gut
Wang	China	P+5'	Gut microbiota are potentially involved in the postnatal development and photo-refractoriness of gonadal activity under different photoperiodic exposure in male Brandt's vole
Lu	China	P+5'	Studies on the role of microglia in hypoxic injury of hippocampi of <i>Lasiopodomys brandtii</i>
Song	China	P+5'	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
August	UK	Oral	Invasive species management strategies in a One Health system
Lee	Australia	Oral	Disease profiling of mouse populations in grain cropping regions of Australia
Leirs	Belgium	Oral	Rodentgate: future rodent management for pig and poultry health

Luque-Larena	Spain	Oral	Cyclic common vole populations drive recurrent risk of tularemia in mediterranean farmland
Paulauskas	Lithuania	Oral	Rodents and their role in zoonotic disease transmission in a highly endemic European zone
Sluydts	Belgium	Oral	Drivers of host-pathogen community assemblies in European forests and urban green spaces
Voinson	Belgium	Oral	Rodent-borne pathogen dynamics and control in agricultural environments: an eco-epidemiological modeling approach
Massawe	Tanzania	Oral	Detection and characterization of zoonotic <i>Bartonella spp</i> in ectoparasites of rodents and shrews from Kigoma and Morogoro Region, Tanzania
Msoffe	Tanzania	Oral	Molecular detection and prevalence of <i>Anaplasma</i> and <i>Rickettsia</i> species in rodents at wildlife-human interfaces in Tanzania
Mwamundela	Tanzania	Oral	Unraveling zoonotic pathogen transmission among small mammals and their ectoparasites in degraded and restored habitats
Rahelinirina	Madagascar	Oral	Zoonotic risk at the edge: plague and leptospirosis in rodent populations in rural Madagascar 2022 - 2024
Rija	Tanzania	Oral	Potential disease risks faced by cane rat (<i>Thryonomys</i>) wild meat consumers in the Eastern Arc Mountains, Tanzania
Rwebuga	Tanzania	Oral	Structure of small mammal communities in agricultural land and communally protected forest within a plague focus in Karatu District, Tanzania
Singla	India	Oral	Rodents and their parasites: unveiling the hidden reservoirs of zoonotic threats in India
Zhuang	Singapore	Oral	Urban rats, hidden threats: direct genotyping of <i>Leptospira</i> using a multi-locus sequence typing approach
Soarimalala	Madagascar	Oral	Ecological and zoonotic impacts of <i>Rattus rattus</i> in Madagascar: evidence from repeated trapping across diverse habitats
Ismail	Singapore	Oral	Environmental risk factors and hotspot identification for rat activity in Singapore
Msoffe	Tanzania	P+5'	Gastrointestinal helminth infections and ectoparasitism in wild rodents along wildlife-human interfaces in Tanzania
Paulauskas	Madagascar	P+5'	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>)

Marien	Belgium	P+5'	Biodiversity changes in African forests and the emergence of infectious diseases: should we worry?
Van Leeuwen	Belgium	P+5'	Microbiome insights into zoonotic risk at wildlife-human interfaces in a transitioning landscape in Thailand
Andrianarisoa	Madagascar	P+5'	Rickettsial diseases as an under-documented infectious risk in disadvantaged urban areas: a case study in an observatory site in Antananarivo, Madagascar.
Mhamphi	Tanzania	P+5'	Ecological and genetic insights into <i>Bartonella</i> spp. from rodents and shrews across diverse habitats in Tanzania

Wednesday 3rd September (0830-1300); Half day field trip			
Emerging technologies			
Thomas	Australia	PLEN	Developing CRISPR gene drives for invasive rodent population suppression
Oh	Australia	Oral	Toward translation of the world's first murine gene drive: from laboratory proof-of-concept to island deployment
Birand	Australia	Oral	Evaluating the eradication potential of gene drives in invasive mice and rat populations
Faulks	Australia	Oral	Mouse surveillance case study using an autonomous sensing platform
Liu	China	Oral	Application of seasonality in designing and optimizing the data acquisition framework for rodent pest monitoring and early warning
Wang	China	Oral	Application of intelligent monitoring technologies for wild rodents in agro-pastoral ecosystems in China: current status and development trends
Eason	New Zealand	Oral	Advancing the registration of norbormide as an alternative to broad-spectrum rodenticides
Singla	India	Oral	Nano-encapsulation of fertility control agents: a game-changer for long-term oral contraception in rodents
Mandla	India	Oral	Tiny particles, big impact: extended reproductive suppression via Quinestrol nanobait
Michie	Australia	P+5'	Establishing a wild house mouse colony to support translational research for gene drive

Zewde	Ethiopia	P+5'	Effects of fertility limiting hormones, quineestrol and levonorgestrel, on bait acceptance and reproductive performance of <i>Arvicanthis niloticus</i> , an agricultural pest rodent in the Ethiopian highlands
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Thursday 4th September (0830-1730)

Social attitudes and knowledge

Flor	Cambodia	PLEN	Scaling op rodent management: leveraging stakeholder networks, communication strategies, and innovative solutions
Carter	Australia	Oral	Recognising the multiple, interrelated human and social impacts of an Australian mouse plague
Mankad	Australia	Oral	A model of psychosocial impacts during the 2021 NSW mouse plague
Okelo	Australia	Oral	The economic impact of the 2021 NSW mouse plague
Paxton	Australia	Oral	Living with mice: Perspectives on mice and mouse management from a South Australian community case study.
Newell	USA	Oral	Pestilence and Power: Rat Control, Identity Formation, and Statecraft across Bermuda, Virginia, and New York City
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
Hima	Niger	P+5'	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)

Breed	Australia	Oral	The reproductive biology of Australian hydromyine rodents
Mofokeng	South Africa	Oral	Ectoparasite communities of small mammals from different habitats in the eastern Free State, South Africa
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

Song	China	Oral	Spread of a single anticoagulant resistance <i>Vkorc1</i> haplotype in Asian house rats across China
Kang	China	Oral	Genetic differentiation and interspecific gene introgression in Myospalacinae: a study from grassland ecosystems on the Qinghai-Tibet Plateau
Gorbould	Australia	Oral	Evidence for resistance to anticoagulant rodenticides in Australia's introduced rats
Holthuijzen	USA	Oral	Failed mouse eradication on Sand Island: a case of novel rodenticide resistance?
Surov	Russia	Oral	The genetic structure of semi-commensal rodents in urban areas (an example of the common hamster)
Feoktistova	Russia	Oral	Genetic structure and parasitic load of striped field mouse (<i>Apodemus agrarius</i>) in a megacity
Sena Neves	Singapore	Oral	From whiskers to DNA: unravelling <i>Rattus</i> diversity and its implications for urban management in Singapore
Shaner	Taiwan	Oral	Ultrasonic vocalizations in adult Taiwan voles (<i>Alexandromys kikuchii</i>)

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

Behavioural ecology (Parallel session)

Samaniego	Australia	PLEN	Rodent eradications on islands: bridging strategic vision and operational success
Masani	Australia	Oral	Black rats generalise across olfactory cues of different birds
Muller	South Africa	Oral	Vocalisation library development for nine rodent species in Mpumalanga, South Africa
Van de Weyer	Australia	Oral	Revealing burrow secrets: a short-term study of social organisation in free-living house mice
Yi	China	Oral	The maintenance mechanism of spatial memory in hibernating food-storing rodents: a case study of the Siberian chipmunk
Grant	Australia	Oral	Behavioural drivers of responses of introduced rats to management devices: effect of rat origin and bait station construction material.
Price	Australia	Oral	Multimodal information use by foraging rodents – if, when, why?
Wang	USA	Oral	Using game cameras to monitor Norway rat foraging and nesting behaviour in apartment buildings
Awoniyi	Brazil	P+5'	Improving urban rodent management through movement assessment in high-risk communities

Mkomwa	Tanzania	Oral	Dynamic movement patterns of commensal rodents <i>Mastomys natalensis</i> and <i>Rattus rattus</i> : determining differential habitat use using Rhodamine B
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Friday 5th September (0830-1630h), including closing remarks; Conference dinner (1730-2200h)

Ecology and Conservation

Lambin	UK	PLEN	Conserving an endangered cultural icon, the water vole, in the face of American mink invasion of Britain: ecology, management and people
Greenville	Australia	PLEN	Contrasting dynamics of small desert mammals and the implications for conservation and management
Reginaldo	Philippines	Oral	Small-mammal community structure in disturbed landscapes in upland Central Cordillera, Luzon Island, Philippines
Avenant	South Africa	Oral	Reimagining small mammal monitoring: a non-invasive approach using footprint identification technology
Thomas,C	Tanzania	Oral	Home range size and survival probability of two major rodents (<i>Rhabdomys dilectus</i> and <i>Lophuromys aquilus</i>) on the slopes of Mount Kilimanjaro, Tanzania
Zhang	China	Oral	Broad-scale climate change drives population dynamics of rodents
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
Oosthuizen	South Africa	Oral	Rodents in the Anthropocene: the importance of temporal niches
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
Vieira	Brazil	Oral	Differential use of a keystone plant resource by small rodents in the sub-tropical Brazilian Atlantic Forest
Fernandez	Philippines	P+5'	Spatial ecology of endemic squirrels in Puerto Princesa Subterranean River National Park, Palawan Island, Philippines
Hima_Granjon	France_Niger	P+5'	ObsMiCE, West African Observatory of small mammal indicators of environmental changes

Yang	China	P+5'	Effect of bioturbation by plateau pika (<i>Ochotona curzoniae</i>) on soil carbon and nitrogen stocks in alpine meadows
Lazar	Romania	P+5'	Structural and functional responses of small mammal communities to land abandonment in a region of high biodiversity
Makundi	Tanzania	Oral	Rodent species diversity and endemism in the East African Highlands: the need for conservation