

Zoology – NVG 2019 Programme draft, state 6 November 2019

Wednesday November 28, location Academy Building Heymanszaal (room 1111.0001)

19:00 – 20:00 Registration (Academy Building, Broerstraat 5, 9712 CP Groningen)

20:00 – 20:10 Opening NVG part by Liesbeth Sterck (Chair of NVG)

20:00 – 21:00 Dobberke Evening Lecture Jolle Jolles (Germany): *The role of individual heterogeneity in the collective behaviour of animal groups*;
Chair Jean-Christophe Billeter

Thereafter: NVG-organized social @ Cafe de Keyzer, Turftorenstraat 4 9712 BP Groningen

Thursday November 28, location Hanze Plaza

08:30 – Registration

09:00 – 11:00 Program by NVG; **Session 1 Cognition and social behaviour**; Chair Wouter Halfwerk

09:00 – 09:40 Jorg Massen, Utrecht: Prosociality in parrots and corvids

09:40 – 10:05 Jonas Torfs, Antwerp: Comparative Cognition: Using lacertid lizards as a study system

10:05 – 10:30 Alexander Kotrschal, Wageningen: The role of brain size in learning and memory

10:30 – 10:55 Lauren Seex, Groningen: The interrelation of dominance style, cohesion and undecided fights in three species of lemur

11:00 – 11:30 NVG General Meeting

11:30 – 12:15 Lunch

12:15 – 12:30 Opening Zoology & NVG part by Eddy van der Zee, Ellen Decaestecker (President RBZS) and Jan Kammenga (Chair KNDV)

12:30 – 13:15 BRILL Baerends lecture Susanne Åkesson (Sweden): *Long-distance navigation in birds: lessons learned from cage experiments and individual tracking*; Chair Barbara Helm

13:15 – 14:45 **Session 2**

Time	KNDV/ RBZS (parallel session A)	NVG (parallel session B)
	Chair: Gert Jansen, Rotterdam Learning and memory in <i>C. elegans</i>	Chair: Jorg Massen, Utrecht Spatial movement and learning
13:15 – 13:45	Isabel Beets, Leuven: Neuropeptide modulation of <i>C. elegans</i> learning and memory circuits.	Marion Nicolaus, Groningen: Unravelling the mechanisms of population phenotypic changes: do individual differences matter for colonisation?
13:45 – 14:05	Martin Harterink, Utrecht: The formation of axons and dendrites, center stage for the microtubule cytoskeleton	Gilles De Meester, Antwerpen: Simple habitats, simple lizards? The effect of habitat complexity on spatial memory in a Mediterranean lizard
14:05 – 14:25	Yiru Wang, Wageningen: The importance of <i>C. elegans</i> ' variable genetic backgrounds in alpha-synuclein pathology studies	Krista van den Heuvel, NIOO-KNAW: Individual variation in spatial reversal learning performance in captive and wild great tits (<i>Parus major</i>)
14:25 – 14:45	Gert Jansen, Rotterdam: Plasticity in gustatory and nociceptive neurons balances salt navigation in <i>C. elegans</i>	Stephen Salazar, Bielefeld: More aggressive male blue tits take greater risks to provision their young

Time	KNDV/ RBZS (parallel session C) Room Hamburg-Bremen
	Chair: Ulrich L. M. Eisel, Groningen Animal models for cognitive disorders
13:15 – 13:45	Helmut Kessels: Effects of amyloid-beta on glutamatergic synapses
13:45 – 14:00	Wiggert Ginkel: Neurocognitive problems in disorders of amino acid metabolism, are mice an adequate model?
14:00 – 14:15	Lara Barazzuol: Targeting protein aggregation to improve radiotherapy-induced neurocognitive dysfunction
14:15 – 14:30	Regien Schoemaker, Groningen: (Neuro)inflammation in postoperative cognitive decline; studies in a rat model
14:30 – 14:45	Peter Paul De Deyn: Electroencephalographic characterization of dementia mouse models

14:45 – 15:15 Coffee/tea break

14:45 – 15:15 Joint board meeting of the KNDV and RBZS

14:45 – 15:15 Board meeting of the NVG

15:15 – 16:00 Plenary lecture Tomás Ryan (Ireland): *Information Storage in Memory Engrams*; Chair Robbert Havekes

16:00 – 17:30 **Session 3**

Time	KNDV/ RBZS (parallel session A)	Session hosted by RBZS (Royal Belgian Zoological Society (parallel session B)	NVG (parallel session C)
	Chair: Benno Roozendaal, Nijmegen Stress effects on memory generalization in mice, rats and humans	Chair: Jean-Christophe Billeter, Groningen Acoustic development and its disruption	Chair: Yoran Gerritsma, Groningen Stress and social interaction
16:00 – 16:30	Harm Krugers, UvA Amsterdam: tba	Quanxiao Liu, Leiden: Combine behavioural tests and machine learning: study the effects of traffic noise on developing birds	Magdalena Kozielska & Elles Jetten, Groningen: A neural network modelling approach to the evolution of emotions and learning
16:30 – 16:50	Yannick Boddez, Leuven: tba	Annebelle Kok, Leiden: How short-term and long-term noise exposure interact to affect anti-predator behaviour	Neeraj Kumar, Groningen: Mechanisms of hormone mediated parent-offspring conflict
16:50 – 17:10	Linda de Voogd, Nijmegen: tba	Inge van der Knaap, Leiden: Effects of seismic sound on the movement and behaviour of Atlantic cod in the Belgian Part of the North Sea	Nicholas Per Huffeldt, Greenland: Corticosterone stress-response of a charadriiform seabird under the continuous light of polar summer
17:10 – 17:30	Chunan Guo, Nijmegen: tba	Jeroen Hubert, Leiden: Effects of seismic airgun playbacks on swimming patterns and behavioural states of Atlantic cod	Haley Kenyon, Canada: Why do avian color patterns differ in sympatry? - Testing alternative selective pressures

17:30 – 19:15 Posters, drinks and diner

19:15 – 20:00 Transport from Hanze Plaza to Aletta Jacobshal (Bus in front of building)

EVENING PROGRAMME, location [Aletta Jacobshal](#)

20:00 – 21:00 Distinguished Zoologist Lecture Richard Morris (UK): *The making and keeping of memory*; Chair Robbert Havekes

Thereafter: possibility to socialize @ Cafe de Keyzer, Turftorenstraat 4 9712 BP Groningen

Friday November 29, location Hanze Plaza

09:00 – 9:30 Registration

09:30 – 10:15 Plenary lecture Guy Bloch (Israel): *The Social Clock of the Bee*; Chair Tom Wenseleers

10:15 – 11:45 Session 4

Time	KNDV/ RBZS (parallel session A)	KNDV/ RBZS (parallel session B)	NVG (parallel session C)
	Chairs: Jos Prickaerts/Arjan Blokland, Leiden	Chair: Chiel Vellema, Utrecht Neural mechanisms of avian learned behaviours	Chair: Ellen Decaestecker Signalling
10:15 – 10:45	Arjan Blokland, Leiden: Does object recognition reflects episodic memory in rats and mice?	Manfred Gahr, Seewiesen: Mechanisms of becoming an attractive singer bird	Tom Wenseleers, Leuven: The evolutionary origin of the social insect queen pheromone signalling system
10:45 – 11:05	Samantha Hughes: Learning and memory: An invertebrate perspective	Jacqueline van der Meij, Nijmegen: A birds' brain view on sleep-related memory consolidation	Peter Korsten, Bielefeld: Begging Blue Tit Nestlings Discriminate Between the Odour of Familiar and Unfamiliar Conspecifics
11:05 – 11:25	Franz Josef van der Staay: The holeboard: a task for assessing spatial learning and memory in different species	Vincent van Meir, Antwerp: Population-based brain analysis reveals sexual dimorphism in previously-undetected regions of the songbird brain	Matías Muñoz, VU Amsterdam: Effects of leaf substrates on acoustic signal emission
11:25 – 11:45	Ruud van den Bos, Nijmegen: Learning and memory: a (zebra)fish perspective	Maggie Ko, Seewiesen: Characteristics of song, brain-anatomy and blood androgen levels in spontaneously singing female canaries	Jing Wei, Leiden: Effects of the early social environment on zebra finch song model choice and song learning

11:45 – 13:00 Posters + Lunch

13:00 – 13:45 Plenary lecture Caroline Nieberding (Belgium): *Maladaptive learning of mate preference in a butterfly facing climate change*; Chair Ellen Decaestecker

13:45 – 15:15 Session 5

Time	KNDV/ RBZS (parallel session A)	Session hosted by RBZS (Royal Belgian Zoological Society (parallel session B)	NVG (parallel session C)
timing?	Chair: Huib Mansvelter, VU Amsterdam	Chair: Caroline Nieberding Plasticity and disruption	Chair: n.n. Vocal communication
13:45 – 14:15	Onur Güntürkün, Bochum: memory consolidation, acquisition, extinction in birds	Bertanne Visser, UCLouvain: Phenotypic plasticity explains violation of Dollo's law of irreversibility	Ralph Simon, VU Amsterdam: Development and application of a robotic zebra finch (RoboFinch) to study multimodal cues in vocal communication
14:15 – 14:35	Pryanka Rao, VU Amsterdam: Engram-specific transcriptome profiling of contextual memory consolidation	Yiru Wang, Wageningen: The importance of different genetic backgrounds in α -synuclein pathology studies in <i>C. elegans</i>	Sanne Moorman, Utrecht: Altering neural activity in the songbird cortical-basal ganglia circuit drives long-lasting changes in learned song
14:35 – 14:55	n.n., Donders Nijmegen: Intellectual disability and autism spectrum disorders 'on the fly': insights from <i>Drosophila</i>	Carmen Bâlon, Liège: Assessing the maternal transfer of mercury in two species of Arctic seals: the harp seal and the hooded seal	Judith Varkevisser, Leiden: Seeing voices: does multimodal exposure to a vocal model enhance vocal learning?
14:55 – 15:15	Djai Heyer, VU Amsterdam: neuronal correlates of mental ability in human brain	Prabin Poudel, Nepal: Assessment of Crop and Property Damages by Wild Asian Elephant in Buffer Zone Area of Bardia National Park	Michiel Vellema, Utrecht: Adaptive strategy for a periodically returning vocal motor behavior

15:15 – 15:45 Coffee/tea break

15:45 – 16:30 Plenary lecture Boris Konrad (Netherlands): *Memory Champions - The methods and characteristics of memory athletes*;
Chair Eddy van der Zee

16:30 – 16:45 Lecture of the KETS-prize winner, to be announced (Chair: Ellen Decaestecker)

16:45 – 17:15 Closing ceremony, proclamation of awards, and PhD, MSc prize winners (Liesbeth Sterck, Eddy van der Zee)