

Programme of the Annual Meeting of the Netherlands Society for Behavioural Biology
Soesterberg, 24-26 November 2010

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Wednesday, 24 November

17:30 Registration

18:00 Dinner

G.P. Baerends lecture – Chair: Simon Verhulst

20:00 **Theo Bakker** (University of Bonn)

On kin recognition and sexual selection

21:00 Posters + bar open (see below for a list of the posters)



Thursday, 25 November

07:30 Breakfast

Session: *Modelling behaviour* – Chair: Tom van Dooren

09:00 **Charlotte Hemelrijk** (University of Groningen) *Aerial displays of thousands of starlings: causation of flock shape and density*

09:30 **Ivan Puga-Gonzalez** (University of Groningen)
Emergence of coalitions in a model

09:50 **Elske van der Vaart** (University of Groningen) *A computational model of Corvid caching: applications to social cognition*

10:10 **Ellen Evers** (Utrecht University) *Better safe than sorry – an agent-based model concerning mechanisms of socio-spatial organisation in primate groups*

10:30 Coffee/tea

Session: *Applied behavioural biology* – Chair: Liesbeth Bolhuis

11:00 **Marek Spinka** (Institute of Animal Science, Prague)
Costly begging for extra milk in domestic piglets

11:30 **Marije Oostindjer** (Wageningen University) *Learning how to eat like a pig: effectiveness of mechanisms for vertical social learning in piglets*

11:50 **Paul Koene** (Wageningen University)
How hens cope with changes in social density and group size

12:10 **Bas Rodenburg** (Wageningen University) *Interactions between behaviour and genetics in wild and domestic bird populations*

12:30 Lunch

13:30 **Poster session** + Coffee/tea

Session: *Bird communication* – Chair: Katharina Riebel

14:20 **Xiao-Jing Yang** (Leiden University) *Timing in traffic: are singing winter wrens able to avoid temporal overlap with anthropogenic noise?*

14:40 **Wouter Halfwerk** (Leiden University) *What does it take two tangoing tits to avoid disturbance by urban noise?*

15:00 **Chris Jacobs** (Leiden University) *Bold to be shy: unexpected response to playback in great tits with personality*

15:20 Coffee/tea

15:40 **Alain van Hout** (University of Antwerp) *Physiological determinants of song behaviour in European starlings: physiological condition parameters, carotenoids and testosterone*

16:00 **Johan Bolhuis** (Utrecht University)
Twitter evolution: brains for birds and brats

16:30 *Huishoudelijke vergadering/general meeting**

17:30 Bar open (in the lounge)

18:00 *Dinner in St. Helenazaal*

Chair: Johan Bolhuis

20:00 **Ofer Tchernichovski** (City College of New York)
The development of song learning and song culture in songbirds

21:00 *Drinks (in the lounge) sponsored by Noldus Information Technology;*
Demonstration of The Observer in the St. Janszaal

Friday, 26 November

07:30 *Breakfast*

Session: *Bird linguistics* – Chair: Carel ten Cate

09:00 **Colline Poirier** (University of Antwerp) *Auditory fMRI on songbirds: establishment, validation and first applications*

09:25 **Geert de Groof** (University of Antwerp) *Structural and functional changes between seasons in the songbird auditory forebrain*

09:50 **Sita ter Haar** (Leiden University)
The role of predispositions and experience in song acquisition

10:10 **Verena Ohms** (Leiden University)
Comparative vowel perception: are birds like babies?

10:30 *Coffee/tea in the lounge*

Session: *Social behaviour* – Chair: Marie José Duchateau

11:00 **Tom Wenseleers** (University of Leuven)
Kin selection theory OK!

11:30 **Uli Ernst** (University of Leuven)
*Insights into worker policing in the honeybee *Apis mellifera**

11:50 **William Swaney** (Utrecht University) *Effects of predation on social behaviour and neuroanatomy in the guppy*

12:10 **Sara Schaafsma** (University of Groningen) *Handedness in a pre-industrial society challenges the fighting hypothesis as an evolutionary explanation of left-handedness*

12:30 *Lunch*

Session: *Hormones and behaviour* – Chair: Joris Koene

13:30 **Wendt Müller** (University of Antwerp) *On the evolutionary potential of (hormone-mediated) maternal effects: Heritable variation in and early environmental effects on yolk hormone deposition*

14:00 **Berber de Jong** (Ghent University) *Are natural testosterone levels in female blue tits (*Cyanistes caeruleus*) adaptive?*

14:20 **Mirre Simons** (University of Groningen) *Sexual stimulation accelerates reproductive senescence in three-spined sticklebacks*

14:40 **Jasper Heerkens** (Utrecht University) *Maternal care and selection for low mortality influence mineralocorticoid receptor levels and behavior in laying hens*

15:00 **Pavel Linhart** (University of South Bohemia) *The long-term memory in willow warblers (*Phylloscopus trochilus*): Never fly into the same mist-net twice.*

15:20 *Poster prizes and closure by Simon Verhulst (president of the Netherlands Society for Behavioural Biology)*

Coffee/tea + end of meeting

Please remember to return your room key and name badge before leaving!

Posters

Els Atema (University of Groningen)

Heritability of telomere length in the zebra finch

Joris Koene (VU University Amsterdam) *Male accessory gland proteins influence behaviour in a simultaneous hermaphrodite*

Eimear Murphy (Utrecht University)

Toward developing a cognitive bias task for pigs

Hans Slabbekoorn (Leiden University) *The importance of underwater sounds for migration of aquatic mammals and fishes*

Carol Souza da Silva (Wageningen University) *Screening the satiating properties of dietary fibre sources in adult pigs*

Philipp Sprau (Netherlands Institute of Ecology) *Did he stay or did he go – spatial movement predicts territory defence in Nightingales (*Luscinia megarhynchos*)*

Mieke Titulaer (NIOO-KNAW)

Effects of personality on learning performance in great tits

Annette van Oystaeyen (University of Antwerp) *Social parasitism in the common wasp *V. vulgaris**

Jeroen van Rooijen (retired)

Do dogs and bees possess a 'theory of mind'?

Marc Naguib (Netherlands Institute of Ecology)

Melody and rhythm in Nightingale song

* Agenda huishoudelijke vergadering/general meeting

1. Notulen jaarvergadering 2009
2. Verslag over 2010
3. Financieel jaarverslag & verslag Kascommissie
4. Plannen en begroting voor 2011
5. Bestuurssamenstelling
6. Rondvraag
7. Sluiting

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