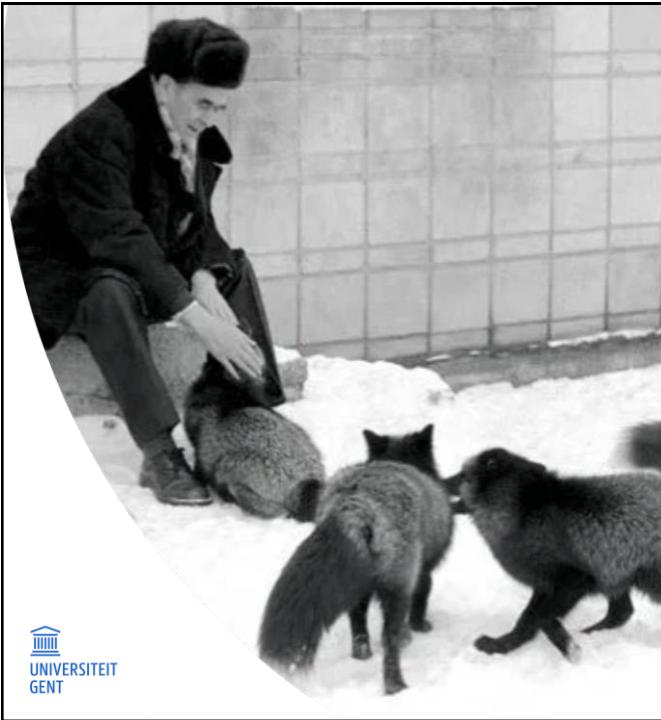


Honden en mensenmanieren

Dag van De Wetenschap zondag 24 nov 2019

Prof. dr. Tiny De Keuster | Tiny.dekeuster@ugent.be





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Zilvervosser experiment

Institute of Cytology and
Genetics, Siberian Branch
of Russian Academy of
Sciences, Novosibirsk,
Russia 1959



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3



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Dmitry Belyaev Lyudmila Trut

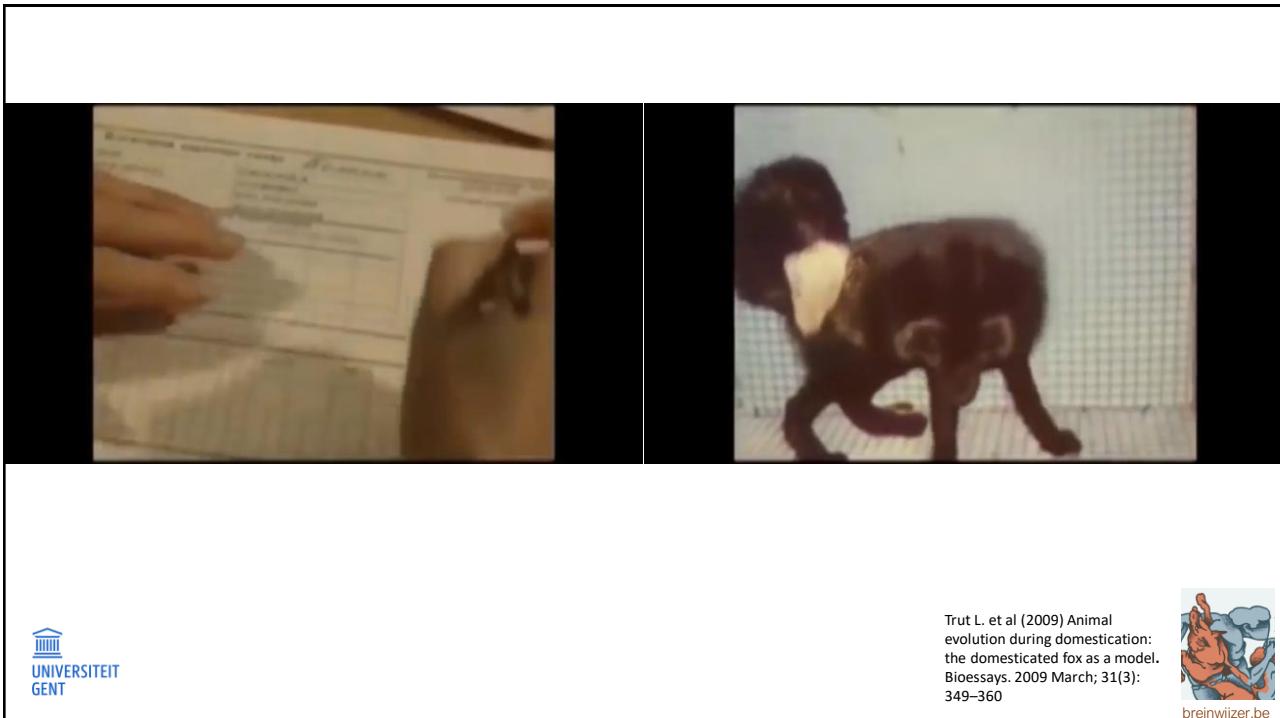
- 130 zilverossen
- Experiment

Hare B et al. (2005) . Social cognitive evolution in captive foxes is a correlated by-product of experimental domestication. Curr Biol. 2005;15:226–30



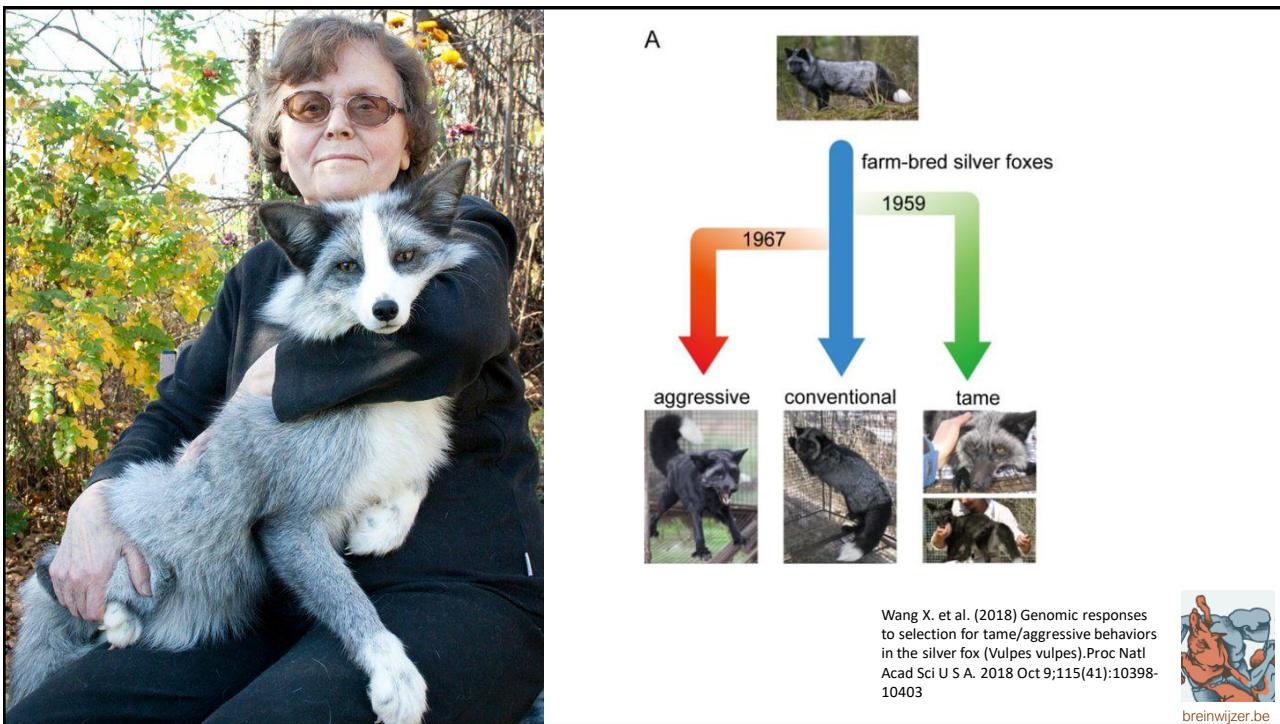
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5



6



Spady T. & Ostrander E. (2008) Canine Behavioral Genetics: Pointing Out the Phenotypes and Herding up the Genes. *The American Journal of Human Genetics* 82, 10–18, January 2008



EXPRESSION STUDIES ON WOLVES		
Captive Observations		
by		
R. Schenkel		
(Of the Zoological Garden, Basle and the Zoological Institute of the University of Basle)		
(With 57 Illustrations and 1 Table)		
(Begun on December 27, 1946)		
	English Text	
I.	Introduction	1
II.	On the Sociology of the Wolf	5
	A. The yearly sequence of social behaviour	5
	B. Concerning the structure of wolf behaviour in the Basle Zoological Garden	10
III.	Peripheral Expression Structures and Non-deliberate Expression Occurrences ..	17
	A. Scent Expression Structures	17
	B. Optical Expression Structures	27
IV.	Deliberate Expression Actions	37

Wolven experiment

Zoological Garden Basle
and Zoological institute of
the university of Basle,
Switzerland, 1946





Rudolf Schenkel

- 18 wolven
- 200 m²
- Observatie

Expression studies on
wolves. Captivity
observations.
By Rudolf Schenkel, 1946

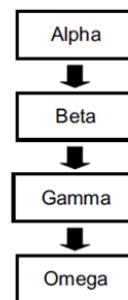


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9



Sociaal gedrag van wolven in gevangenschap



Expression studies on
wolves. Captivity
observations.
By Rudolf Schenkel, 1946



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10



Expression studies on wolves.
Captivity observations.
By Rudolf Schenkel, 1946



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Wolf

Hond



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11



David Mech

USGS Northern Prairie Wildlife Research,
Canada 1999



Mech D. (1999) Alpha status,
dominance, and division of labor
in wolf packs. Can. J. Zool. 77:
1196–1203 (1999)



breinwijzer.be

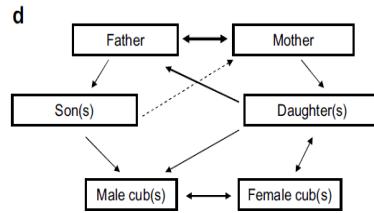
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12



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Sociaal gedrag van wolven in vrijheid



Mech D. (1999) Alpha status, dominance, and division of labor in wolf packs. *Can. J. Zool.* 77: 1196–1203 (1999)



13



Van der Borg J. (2015) Dominance in Domestic Dogs: A Quantitative Analysis of Its Behavioural Measures. *PLoS ONE* 10(8): e0133978.

Schilder et al. (2014) Dominance in domestic dogs revisited: Useful habit and useful construct. *Journal of Veterinary Behavior* 9 (2014)

Bradshaw et al. (2009). Dominance in domestic dogs: useful construct or bad habit? *Journal of Veterinary Behavior* (2009) 4, 135-144

Van Kerkhove, W. (2004). A fresh look at the wolf-pack theory of companion-animal dog social behavior. *J. Appl. Anim. Welf. Sci.* 7, 279-285



14



2019 Hondenmanieren



15



Budapest, Hungary

Eötvös Loránd University
Budapest, Hungary
2002

Miklósi et al. (2003) A Simple Reason
for a Big Difference: Wolves Do Not
Look Back at Humans, but Dogs Do.
Current Biology, Vol. 13, 763–766,
April 29, 2003



16



Department of Cognitive Biology
University of Vienna
Austria
2012


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GENT

Horn L, Huber L, Range F (2013) The Importance of the Secure Base Effect for Domestic Dogs – Evidence from a Manipulative Problem-Solving Task. PLoS ONE 8(5): e65296.



breinwijzer.be

17



Dipartimento di Scienze e Tecnologie Biomediche
Sezione di Psicologia, Facoltà di Medicina,
Università di Milano, Italy
2012

Merola I et al. (2012) Social referencing in dog-owner dyads? Anim Cogn (2012) 15:175–185



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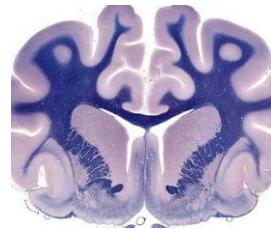
18



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MENS =

- Belangrijk voor honden
- Sociale referentie
- Veilige haven



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19



Department of Psychology,
Center for Neuropolicy,
Emory University, Atlanta,
GA 30322,
United States
2015

Berns G. et al (2015) Scent of the familiar: An fMRI study of canine brain responses to familiar and unfamiliar human and dog odors. Behavioural Processes 110 (2015) 37–46



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20



Berns G. et al (2015) Scent of the familiar: An fMRI study of canine brain responses to familiar and unfamiliar human and dog odors. Behavioural Processes 110 (2015) 37–46



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21



Comparative Ethology Research Group
Eötvös Loránd University
Budapest, Hungary
2016

- Horloge
- Horloge ☺ ☺
- Wandelen
- Wandelen ☺ ☺

Andics A. et al.(2016) Neural mechanisms for lexical processing in dogs. Science 10.1126/science. aaf3777 (2016).



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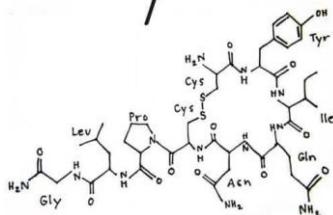
22



Department of Animal Science and Biotechnology, Azabu University, Sagamihara, Kanagawa, Japan
2015



Oxytocin

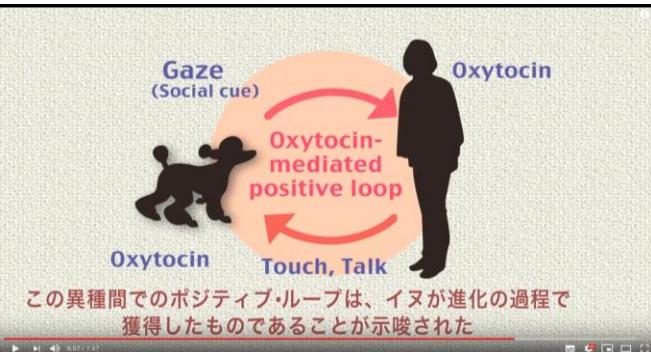


Miho Nagasawa et al. (2015)
Oxytocin-gaze positive loop and the coevolution of human-dog bonds.
Science 348, 333 (2015)



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23



Mensen hechten Honden hechten
zich aan honden zich aan mensen.

Miho Nagasawa et al. (2015)
Oxytocin-gaze positive loop and the coevolution of human-dog bonds.
Science 348, 333 (2015)



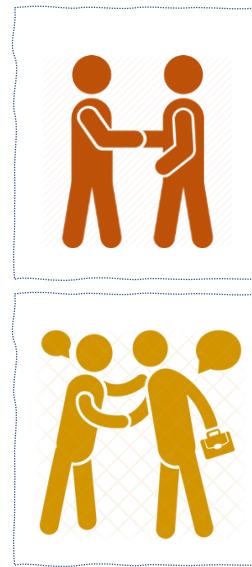
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24



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25



Forsell, L. M., & Åström, J. A. (2012)
Meanings of hugging: from greeting behavior to touching implications.
Comprehensive Psychology, 1, 13.

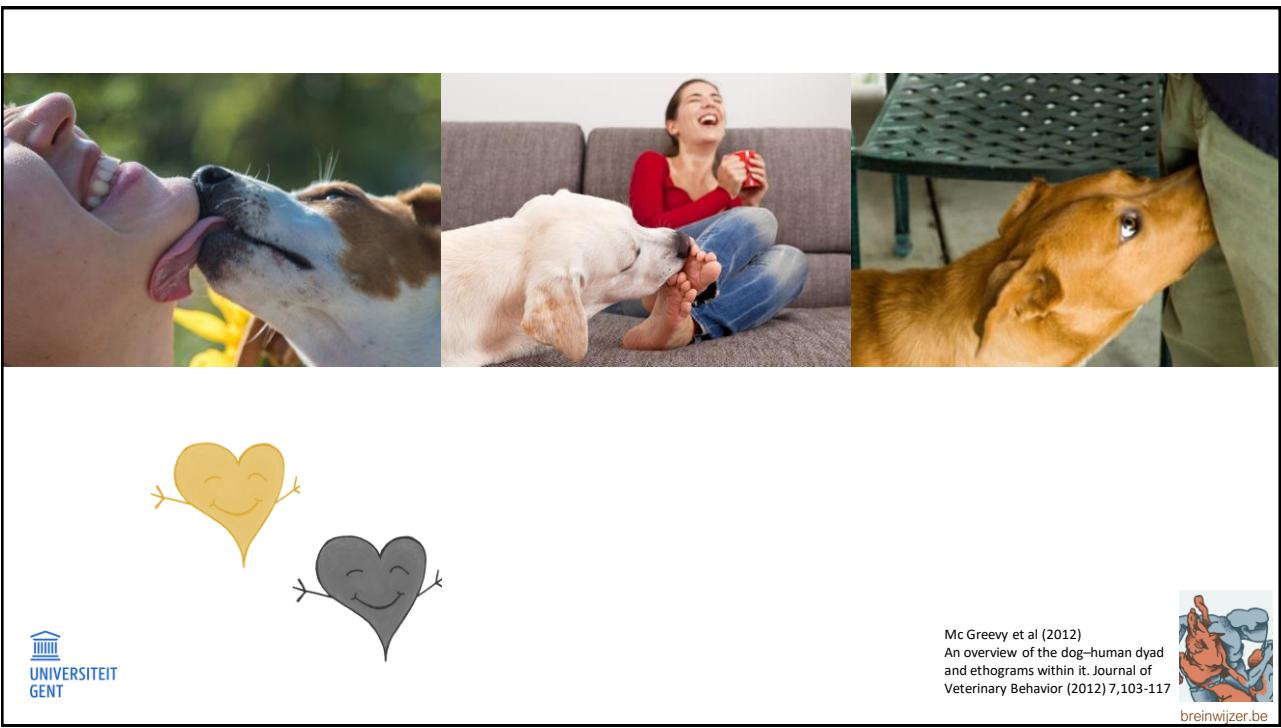


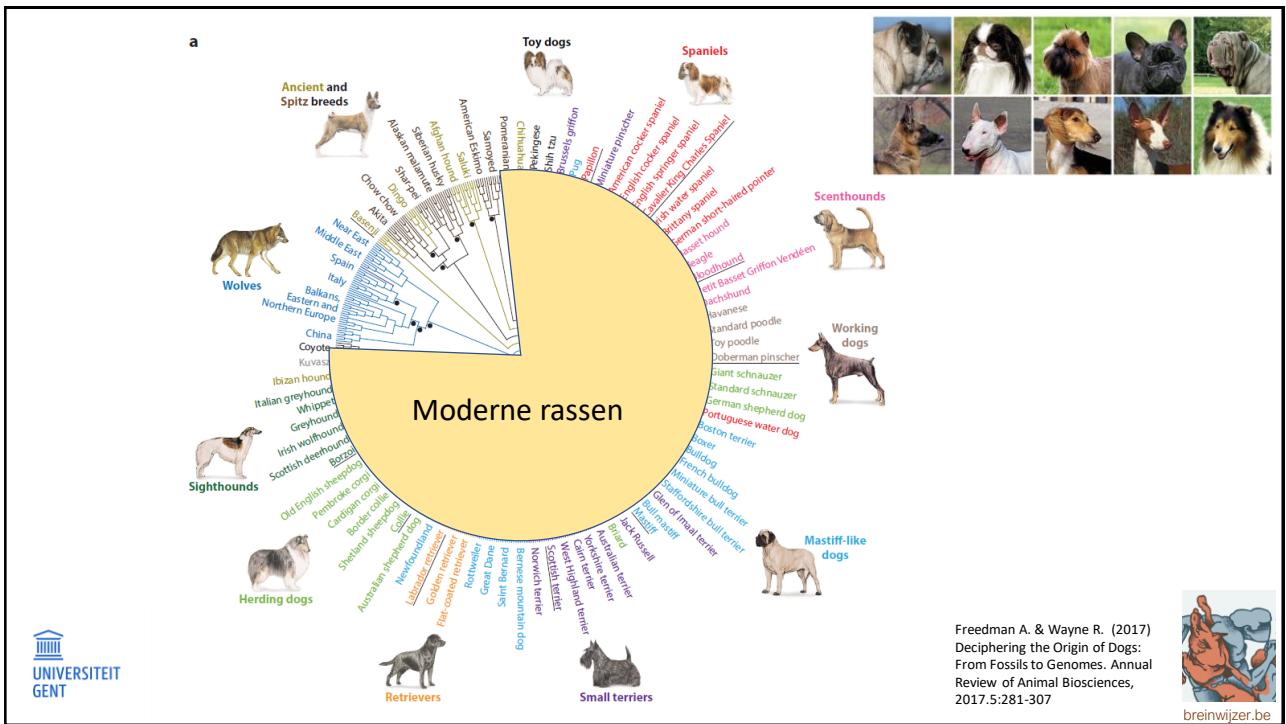
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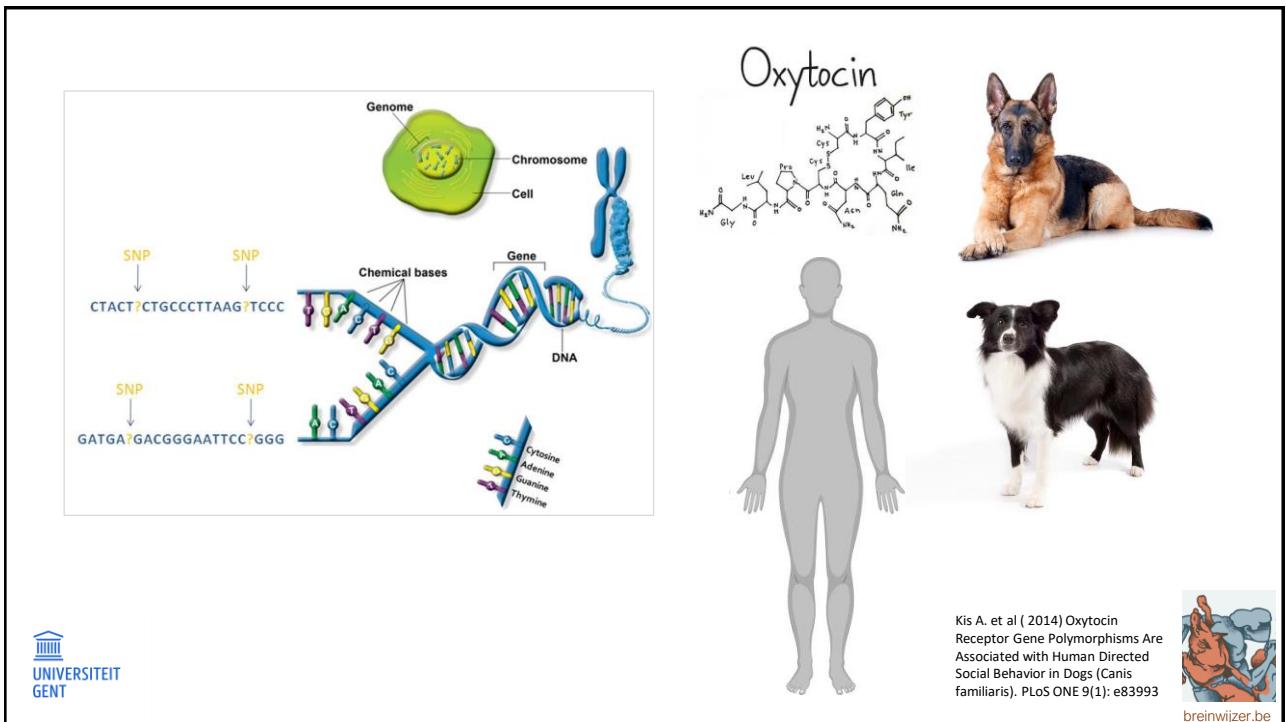


Morris, Desmond Manwatching: A Field Guide to Human Behavior (New York: Abrams, 1977)





29



30



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<http://dogsaholic.com>

Mariti C. et al. (2012) Perception of dogs' stress by their owners. Journal of Veterinary Behavior (2012) 7, 213-219

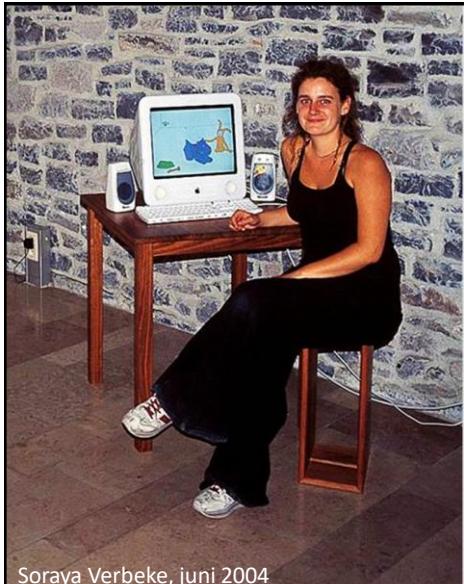
Herron F. et al. (2008) Survey of the use and outcome of confrontational and non-confrontational training methods in client-owned dogs showing undesired behaviors. Applied Animal Behaviour Science 117 (2009) 47–54

De Keuster T. et al. (2006) Epidemiology of dog bites: A Belgian experience of canine behaviour and public health concerns. The Veterinary Journal 172 (2006) 482–487



breinwijzer.be

31

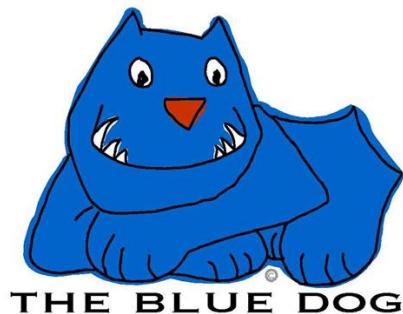


Soraya Verbeke, juni 2004

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KASK
SCHOOL OF ART GENT.BE

Vlaanderen 2004



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32



The Blue Dog Parent Guide and CD








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UNIVERSITY OF LINCOLN
SCHOOL OF PSYCHOLOGY

Meints K, de Keuster T. Brief Report: Don't Kiss a Sleeping Dog: The First Assessment "The Blue Dog" Bite Prevention Program. J Pediatr Psychol. 2009; 34(10):1084–90.



breinwijzer.be

33



Google Play



App Store



DVG









Meints K, Brelsford V & De Keuster T (2018) Teaching Children and Parents to Understand Dog Signaling. Front. Vet. Sci. 5:257.



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34



Dank aan alle
honden & eigenaars,
fotografen, ouders,
studenten, leraren,
docenten,
dierenartsen,
ethologen,
psychologen,
pediaters,
journalisten en
wetenschappers !



Besluit

