

M.R. Kruk (PhD) - Extended Publicationlist 16-01-2018

Black Font: Abstracts - Blue Font: Published Papers

1. Kruk, M. R. & van der Poel, A. M. (1975). Electrostimulation of Lateral Hypothalamus of Rat and Stimulus-Induced Attack Behavior Towards A Weaker Conspecific. *Experimental Brain Research*, 23 113.
2. Kruk, M. R., Kuiper, P., & Meelis, W. (1978). An air pressure operated commutator system for electrical brain stimulation in a fighting rat. *Physiol Behav.*, 21(1), 125-127.
3. Kruk, M. R., van der Poel, A. M., & de Vos-Frerichs, T. P. (1979). The induction of aggressive behaviour by electrical stimulation in the hypothalamus of male rats. *Behaviour*, 70(3-4), 292-322.
4. Kruk, M. R. & van der Poel, A. M. (1980). Is there evidence for a neural correlate of an aggressive behavioural system in the hypothalamus of the rat? *Prog.Brain Res.*, 53 385-390.
5. Kruk, M. R., van der Poel, A. M., & Phillips, R. E. (1980). The Neural Substrate Involved in Aggression Induced by Electrical-Stimulation in the Hypothalamus of Male Cpb-Wezob Rats. *Aggressive Behavior*, 6(3), 257.
6. Kruk, M. R., Meelis, W., van der Poel, A. M., & Mos, J. (1981). Electrical stimulation as a tool to trace physiological properties of the hypothalamic network in aggression. In P.F.Brain & D. Benton (Eds.), *The Biology of Aggression* (NATO Advanced Study Institutes Series, Chateau de Bonas, Toulouse, France, July 21-30, 1980 ed., pp. 383-395). Alphen aan de Rijn, The Netherlands: Sijthof & Noordhoff International Publishers B.V. and Rockville, Maryland, USA.
7. Bermond, B., Mos, J., Meelis, W., van der Poel, A. M., & Kruk, M. R. (1982). Aggression induced by stimulation of the hypothalamus: effects of androgens. *Pharmacol.Biochem.Behav.*, 16(1), 41-45.
8. Mos, J., Kruk, M. R., van der Poel, A. M., & Meelis, W. (1982). Aggressive-Behavior Induced by Electrical-Stimulation in the Midbrain Central Gray of Male-Rats. *Aggressive Behavior*, 8(3), 261-284.
9. van der Poel, A. M., Olivier, B., Mos, J., Kruk, M. R., Meelis, W., & van Aken, J. H. (1982). Anti-aggressive effect of a new phenylpiperazine compound (DU27716) on hypothalamically induced behavioural activities. *Pharmacol.Biochem.Behav.*, 17(1), 147-153.
10. Kruk, M. R., van der Poel, A. M., Meelis, W., Hermans, J., Mostert, P. G., Mos, J. et al. (1983). Discriminant analysis of the localization of aggression-inducing electrode placements in the hypothalamus of male rats. *Brain Res.*, 260(1), 61-79.
11. Mos, J., Olivier, B., Meelis, W., van der Poel, A. M., & Kruk, M. R. (1983). Wound Patterns Following Aggressive Interactions in Male-Rats - Strain-Independent, Situation-Dependent. *Aggressive Behavior*, 9(2), 113.
12. Mos, J., Lammers, J. H. C. M., van der Poel, A. M., Bermond, B., Meelis, W., & Kruk, M. R. (1983). Effects of Midbrain Central Gray Lesions on Spontaneous and Electrically Induced Aggression in the Rat. *Aggressive Behavior*, 9(2), 133-155.
13. van der Poel, A. M., Mos, J., & Kruk, M. R. (1983). Locomotion Evoked by Electrical-Stimulation of the Hypothalamus. *Journal of Anatomy*, 137(SEP), 435.
14. van der Poel, A. M., van der Hoef, H., Meelis, W., Vletter, G., Mos, J., & Kruk, M. R. (1983). A locked, non-rotating, completely embedded, moveable electrode for chronic brain stimulation studies in freely moving, fighting rats. *Physiol Behav.*, 31(2), 259-263.
15. Kruk, M. R., Van der Laan, C. E., Mos, J., van der Poel, A. M., Meelis, W., & Olivier, B. (1984). Comparison of aggressive behaviour induced by electrical stimulation in the hypothalamus of male and female rats. *Prog.Brain Res.*, 61 303-314.
16. Kruk, M. R., van der Poel, A. M., Van der Laan, C. E., Mos, J., Olivier, B., & Meelis, W. (1984). EBS-Induced Behavior - A Useful Method to Study Drug Effects on Brain and Behavior in Rats. *Aggressive Behavior*, 10(2), 160-161.
17. Kruk, M. R., Van der Laan, C. E., Meelis, W., Phillips, R. E., Mos, J., & van der Poel, A. M. (1984). Brain-stimulation induced agonistic behaviour: a novel paradigm in ethopharmacological aggression research. *Prog.Clin.Biol.Res.*, 167 157-177.
18. Kruk, M. R., van der Poel, A. M., Van der Laan, C. E., Mos, J., Olivier, B., & Meelis, W. (1984). Aggression Induced by Electrical-Stimulation in the Hypothalamus of Male and Female Rats. *Aggressive Behavior*, 10(2), 160.

19. Miczek, K. A., Kruk, M. R., & Olivier, B. (1984). *Ethopharmacological aggression research : proceedings of a Symposium on psychopharmacology of aggression, held September 28-29, 1983, in Zeist, The Netherlands.* (vols. 167) New York : Liss.
20. Mos, J., Witte, M. M., Olivier, B., van der Poel, A. M., & Kruk, M. R. (1984). Behavioural voltammetry: its application in aggression research. *Prog.Clin.Biol.Res.*, 167 179-189.
21. Mos, J., Witte, M. M., Olivier, B., van der Poel, A. M., & Kruk, M. R. (1984). Pharmacokinetics of Fluprazine (Du27716) As Measured by Invivo Voltammetry and Behavioral-Methods in Rats. *Aggressive Behavior*, 10(2), 163.
22. Mos, J., Olivier, B., van der Poel, A. M., Kruk, M. R., & Dijkstra, H. (1984). Pharmacological Manipulation of Defensive Behavior of the Intruders in A Resident-Intruder Paradigm, in Rats. *Aggressive Behavior*, 10(2), 162-163.
23. Olivier, B., Mos, J., van der Poel, A. M., Krijzer, F. N., & Kruk, M. R. (1984). Effects of a new psychoactive drug (DU 27716) on different models of rat agonistic behaviour and EEG. *Prog.Clin.Biol.Res.*, 169 261-279.
24. van der Poel, A. M., Kruk, M. R., & Mos, J. (1984). Hypothalamic Attack, Teeth-Chattering and Locomotion in Freely Moving Rats, Using Moveable Electrodes. *Aggressive Behavior*, 10(2), 175-176.
25. van der Poel, A. M., Mos, J., Kruk, M. R., & Olivier, B. (1984). A motivational analysis of ambivalent actions in the agonistic behaviour of rats in tests used to study effects of drugs on aggression. *Prog.Clin.Biol.Res.*, 167 115-135.
26. van der Poel, A. M., Mos, J., Kruk, M. R., Olivier, B., & Meelis, W. (1984). A Motivational Analysis of Ambivalent Actions in the Agonistic Behavior of Rats in Tests Used to Study Effects of Drugs on Aggression. *Aggressive Behavior*, 10(2), 176.
27. Haccou, P., Van Bavel, E. T., & Kruk, M. R. (1985). Markov chain description and analysis of changes induced by hypothalamic stimulation in a male CPBWEzob rat at intensities below attack threshold. In M.R.Kruk & P. F. Brain (Eds.), *Mathematical methods and representations in ethological aggression research : ethological description of effects of experimental treatments* (pp. 31-56). Leiden.
28. Kruk, M. R. & Brain, P. F. (1985). *Mathematical methods and representations in ethological aggression research : ethological description of effects of experimental treatments : Workshop : 6th Biennial meeting : Papers.* Leiden: University of Leiden, Ethopharmacology Group.
29. Kruk, M. R., van der Poel, A. M., Mos, J., & Van der Laan, C. E. (1985). Aggression Induced by Electrical Brain-Stimulation in the Rat - A paradigm for the study of brain behavior relationships. *Aggressive Behavior*, 11(2), 156-157.
30. Kruk, M. R., Van der Laan, C. E., Janus, W., Mos, J., van der Poel, A. M., & Meelis, W. (1985). Effects of drugs with aggression suppressing properties on behavioral responses induced by hypothalamic stimulation in the rat. *Fed.Proc.* 44[26], 193.
31. Lammers, J. H. C. M., Meelis, W., Kruk, M. R., & van der Poel, A. M. (1985). Behavioral Mapping of the Rat Hypothalamus by Electrical Brain-Stimulation. *Pharmacy World & Science, (Pharmaceutisch Weekblad-Scientific Edition)*, 7(5), 232.
32. Olivier, B., Van Oorschot, R., Bradford, L. D., van der Poel, A. M., Mos, J., & Kruk, M. R. (1985). Maternal Aggression in Rats. *Aggressive Behavior*, 11(2), 169.
33. Kruk, M. R. (1986). Aggression - Functions and Causes - Ramirez, JM, Brain, PF. *Aggress. Behav.*, 12(6), 443-444.
34. Kruk, M. R., van der Poel, A. M., Lammers, J. H. C. M., Hagg, T., de Hey, A. M. D. M., & Oostwegel, S. (1987). Ethopharmacology of hypothalamic aggression in the rat. In B.Olivier, J. Mos, & P. F. Brain (Eds.), *Ethopharmacology of Agonistic Behaviour in Animals and Humans* (pp. 33-45). Dordrecht: Martinus Nijhoff Publishers.
35. Lammers, J. H. C. M., Meelis, W., Kruk, M. R., & van der Poel, A. M. (1987). Hypothalamic substrates for brain stimulation-induced grooming, digging and circling in the rat. *Brain Res.*, 418(1), 1-19.
36. Mos, J., Olivier, B., Lammers, J. H. C. M., van der Poel, A. M., Kruk, M. R., & Zethof, T. (1987). Postpartum aggression in rats does not influence threshold currents for EBS-induced aggression. *Brain Res.*, 404(1-2), 263-266.
37. Haccou, P., Kruk, M. R., Meelis, E., Van Bavel, E. T., Wouterse, K. M., & Meelis, W. (1988). Markov-Models for Social Interactions - Analysis of Electrical-Stimulation in the Hypothalamic Aggression Area of Rats. *Animal Behaviour*, 36 1145-1163.
38. Kruk, M. R., van der Poel, A. M., & Meelis, W. (1988). Drugs and Stimulation-Evoked Hypothalamic Aggression, and Related Responses in the Rat. *Psychopharmacology*, 96(1), S33.

39. Kruk, M. R., van der Poel, A. M., Lammers, J. H. C. M., Haccou, P., & Olivier, B. (1988). Ethopharmacology of Aggression Induced by Stimulation in the Rats Hypothalamus. *Aggressive Behavior*, 14(2), 138.
40. Lammers, J. H. C. M., Kruk, M. R., Meelis, W., & van der Poel, A. M. (1988). Hypothalamic substrates for brain stimulation-induced patterns of locomotion and escape jumps in the rat. *Brain Res.*, 449(1-2), 294-310.
41. Lammers, J. H. C. M., Kruk, M. R., Meelis, W., & van der Poel, A. M. (1988). Hypothalamic substrates for brain stimulation-induced attack, teeth-chattering and social grooming in the rat. *Brain Res.*, 449(1-2), 311-327.
42. Koolhaas, J. M., Kruk, M. R., Lammers, J. H. C. M., & Roozendaal, B. (1989). Functions of Amygdala and Hypothalamus in the Organization of Agonistic Interactions. *Aggressive Behavior*, 15(1), 75.
43. Kruk, M. R., Haccou, P., & Meelis, E. (1989). Analysis of Social Interactions in Rats by Survival Rates and Continuous-Time Markov Modeling. *Aggressive Behavior*, 15(1), 75-76.
44. Lammers, J. H. C. M., van der Noordaa, J., Kruk, M. R., Meelis, W., & van der Poel, A. M. (1989). Interactions between simultaneously activated behavioral systems in the rat. *Behav. Neurosci.*, 103(4), 784-789.
45. Mos, J., Olivier, B., Kruk, M. R., & van der Poel, A. M. (1989). A Reassessment of Bite Targets As An Indicator of Agonistic Motivation in the Rat. *Aggressive Behavior*, 15(1), 91-92.
46. Kruk, M. R., Van Erp, A. M. M., & Meelis, W. (1990). Hypothalamic Responses in the Rat - A Model to Study the Pharmacology of Obsessive-Compulsive Disorders. *Psychopharmacology*, 101 S32, 116.
47. Kruk, M. R., Van der Laan, C. E., van der Poel, A. M., Van Erp, A. M. M., & Meelis, W. (1990). Strain Differences in Attack Patterns Elicited by Electrical-Stimulation in the Hypothalamus of Male Cpbwezob and Cpbwi Rats. *Aggressive Behavior*, 16(3-4), 177-190.
48. Kruk, M. R., Van Erp, A. M. M., Van den Bosch, J. H., & Visser, C. J. (1990). Morphine-Tolerance Induced by Drug-Free Procedures - Effects of Experience and Handling on Time-Effect Relations of Morphine in the Rat. *Psychopharmacology*, 101 S32, 117.
49. Roeling, T. A. P., Van Erp, A. M. M., Meelis, W., Kruk, M. R., & Veening, J. G. (1990). Grooming Behavior - Role of the Hypothalamic Paraventricular Nucleus. *Psychopharmacology*, 101 S49, 185.
50. Roeling, T. A. P., Veening, J. G., Kruk, M. R., & Nieuwenhuys, R. (1990). Grooming Behavior Elicited by Kainic Acid Evoked Cell Body Stimulation in the Hypothalamus of the Rat. *Neuroscience Res. Commun.*, 6(2), 111-118.
51. Van Erp, A. M. M., Kruk, M. R., Veening, J. G., & Spruijt, B. M. (1990). Grooming Elicited by ACTH1-24 Injected in the Paraventricular Nucleus of the Hypothalamus of the Rat. *Psychopharmacology*, 101 S60, 229.
52. Van Erp, A. M. M., Kruk, M. R., Roeling, T. A. P., & Meelis, W. (1990). Absence of Stress-Induced Analgesia and Morphine-Tolerance in Rats Defeated by Uncontrollable Hypothalamic Attack. *Psychopharmacology*, 101 S60, 230.
53. Bressers, W. M., Meelis, E., Haccou, P., & Kruk, M. R. (1991). When did it really start or stop: the impact of censored observations on the analysis of duration. *Behavioural Processes*, 23(1), 1-20.
54. Kruk, M. R. (1991). Ethology and pharmacology of hypothalamic aggression in the rat. *Neurosci.Biobehav.Rev.*, 15(4), 527-538.
55. Roeling, T. A. P., Van Erp, A. M. M., Meelis, W., Kruk, M. R., & Veening, J. G. (1991). Behavioural effects of NMDA injected into the hypothalamic paraventricular nucleus of the rat. *Brain Res.*, 550(2), 220-224.
56. Van Erp, A. M. M., Kruk, M. R., Willekens-Bramer, D. C., Bressers, W. M., Roeling, T. A. P., Veening, J. G. et al. (1991). Grooming induced by intrahypothalamic injection of ACTH in the rat: comparison with grooming induced by intrahypothalamic electrical stimulation and i.c.v. injection of ACTH. *Brain Res.*, 538(2), 203-210.
57. Van der Vlugt, M. J., Kruk, M. R., Van Erp, A. M. M., & Geuze, R. H. (1992). Camera - A System for Fast and Reliable Acquisition of Multiple Ethological Records. *Behavior Res. Meth. Instruments & Computers*, 24(2), 147-149.
58. Van der Vlugt, M. J., Kruk, M. R., Van Erp, A. M. M., & Geuze, R. H. (1992). Camera, A System for Fast and Reliable Acquisition of Multiple Ethological Records. *International Journal of Psychology*, 27(3-4), 375.
59. Van Erp, A. M. M. & Kruk, M. R. (11-12-1992). Involvement of oxytocinergic pathways in grooming induced by stimulation of the hypothalamic paraventricular nucleus in the rat. *Pharmaceutisch Weekblad Scientific edition* 14[6],

60. Kruk, M. R., Van Erp, A. M. M., Meelis, W., & Bol, C. (1993). Hypothalamic Attack and Self-Grooming - A Way to Study Brain Mechanisms in Obsessive-Compulsive Disorders. *Aggressive Behavior*, 19(1), 23.
61. Roeling, T. A. P., Kruk, M. R., Schuurmans, R., & Veening, J. G. (1993). Behavioural responses of bicuculline methiodide injections into the ventral hypothalamus of freely moving, socially interacting rats. *Brain Res.*, 615(1), 121-127.
62. Van Erp, A. M. M., Kruk, M. R., Van Oers, H. J., & Hemmers, N. M. (1993). Differential effect of ACTH1-24 and alpha-MSH induced grooming in the paraventricular nucleus of the hypothalamus. *Brain Res.*, 603(2), 296-301.
63. Van Erp, A. M. M., Kruk, M. R., Semple, D. M., & Verbeet, D. W. (1993). Initiation of self-grooming in resting rats by local PVH infusion of oxytocin but not alpha-MSH. *Brain Res.*, 607(1-2), 108-112.
64. Van Erp, A. M. M., Kruk, M. R., Meelis, W., & Veening, J. G. (1993). Periaqueductal gray lesions do not affect grooming, induced electrically in the hypothalamic paraventricular area in the rat. *Behav.Brain Res.*, 59(1-2), 95-101.
65. Van Erp, A. M. M., Kruk, M. R., & de Kloet, E. R. (1993). Induction of grooming in resting rats by intracerebro-ventricular oxytocin but not by adrenocorticotrophic hormone-(1-24) and alpha-melanocyte-stimulating hormone. *Eur.J.Pharmacol.*, 232(2-3), 217-221.
66. Roeling, T. A. P., Veening, J. G., Kruk, M. R., Peters, J. P., Vermelis, M. E., & Nieuwenhuys, R. (1994). Efferent connections of the hypothalamic "aggression area" in the rat. *Neuroscience*, 59(4), 1001-1024.
67. Van Erp, A. M. M., Kruk, M. R., Meelis, W., & Willekens-Bramer, D. C. (1994). Effect of environmental stressors on time course, variability and form of self-grooming in the rat: handling, social contact, defeat, novelty, restraint and fur moistening. *Behav.Brain Res.*, 65(1), 47-55.
68. Bressers, W. M., Kruk, M. R., Van Erp, A. M. M., Willekens-Bramer, D. C., Haccou, P., & Meelis, E. (1995). Time structure of self-grooming in the rat: self-facilitation and effects of hypothalamic stimulation and neuropeptides. *Behav.Neurosci.*, 109(5), 955-964.
69. Bressers, W. M., Kruk, M. R., Van Erp, A. M. M., Willekens-Bramer, D. C., Haccou, P., & Meelis, E. (1995). A time-structured analysis of hypothalamically induced increases in self-grooming and activity in the rat. *Behav.Neurosci.*, 109(6), 1158-1171.
70. Van Erp, A. M. M., Kruk, M. R., Veening, J. G., Roeling, T. A. P., & Meelis, W. (1995). Neuronal substrate of electrically induced grooming in the PVH of the rat: involvement of oxytocinergic systems? *Physiol Behav.*, 57(5), 881-885.
71. Van Erp, A. M. M., Kruk, M. R., Willekens-Bramer, D. C., Fermont, P. C., & Nijsen, M. J. (1995). PVH lesions do not inhibit stressor-induced grooming in the rat. *Physiol Behav.*, 57(5), 887-892.
72. de Kloet, E. R., Korte, S. M., Rots, N. Y., & Kruk, M. R. (1996). Stress hormones, genotype, and brain organization. Implications for aggression. *Ann.N.Y.Acad.Sci.*, 794 179-191.
73. Della Paschoa, O. E., Kruk, M. R., Hamstra, R., Voskuyl, R. A., & Danhof, M. (1997). Seizure patterns in kindling and cortical stimulation models of experimental epilepsy. *Brain Res.*, 770(1-2), 221-227.
74. Kruk, M. R. (1997). Measuring behaviour into the twenty-first century. *Trends in Neurosciences*, 20(5), 187-189.
75. Della Paschoa, O. E., Kruk, M. R., Hamstra, R., Voskuyl, R. A., & Danhof, M. (1998). Pharmacodynamic interaction between phenytoin and sodium valproate changes seizure thresholds and pattern. *Br.J.Pharmacol.*, 125(5), 997-1004.
76. Della Paschoa, O. E., Kruk, M. R., Voskuyl, R. A., & Danhof, M. (1998). Effects of repeated seizure induction on seizure activity, post-ictal and interictal behavior. *Brain Res.*, 814(1-2), 199-208.
77. Della Paschoa, O. E., Kruk, M. R., & Danhof, M. (1998). Pharmacokinetic-pharmacodynamic modelling of behavioural responses. *Neurosci.Biobehav.Rev.*, 23(2), 229-236.
78. Haller, J., Halasz, J., Makara, G. B., & Kruk, M. R. (1998). Acute effects of glucocorticoids: behavioral and pharmacological perspectives. *Neurosci.Biobehav.Rev.*, 23(2), 337-344.
79. Haller, J., Makara, G. B., & Kruk, M. R. (1998). Catecholaminergic involvement in the control of aggression: hormones, the peripheral sympathetic, and central noradrenergic systems. *Neurosci.Biobehav.Rev.*, 22(1), 85-97.

80. Haller, J., Millar, S., & Kruk, M. R. (1998). Mineralocorticoid receptor blockade inhibits aggressive behaviour in male rats. *Stress.*, 2(3), 201-207.
81. Haller, J., Abraham, I., Zelena, D., Juhasz, G., Makara, G. B., & Kruk, M. R. (1998). Aggressive experience affects the sensitivity of neurons towards pharmacological treatment in the hypothalamic attack area. *Behav.Pharmacol.*, 9(5-6), 469-475.
82. Kruk, M. R., Westphal, K. G., Van Erp, A. M. M., van Asperen, J., Cave, B. J., Slater, E. et al. (1998). The hypothalamus: cross-roads of endocrine and behavioural regulation in grooming and aggression. *Neurosci.Biobehav.Rev.*, 23(2), 163-177.
83. Kruk, M. R. (1998). Behavioral measurement in perspective? Reply. *Trends in Neurosciences*, 21(1), 21.
84. Rodgers, J., Haller, J., Krsiak, M., & Kruk, M. R. (1998). Editorial. *Neurosc. & Biobehavioral Reviews*, 23(2), 141.
85. Haller, J. & Kruk, M. R. (1999). Facilitating effects of corticosterone on brain mechanics involved in violent behavior: Single and repeated treatments. *Aggressive Behavior*, 25(1), 37-38.
86. Kruk, M. R. & Haller, J. (1999). Corticosteroids and the escalation of violence in hypothalamic and territorial aggression in male rats. In (pp. 36). IBRO world congress, 11.-15.7.1999.
87. Siegel, A., Roeling, T. A. P., Gregg, T. R., & Kruk, M. R. (1999). Neuropharmacology of brain-stimulation-evoked aggression. *Neurosci.Biobehav.Rev.*, 23(3), 359-389.
88. Haller, J., Halasz, J., Mikics, E., Kruk, M. R., & Makara, G. B. (2000). Ultradian corticosterone rhythm and the propensity to behave aggressively in male rats. *J.Neuroendocrinol.*, 12(10), 937-940.
89. Haller, J., Millar, S., van de Schraaf, J., de Kloet, E. R., & Kruk, M. R. (2000). The active phase-related increase in corticosterone and aggression are linked. *J.Neuroendocrinol.*, 12(5), 431-436.
90. Kruk, M. R. (2000). Agressie: hypothalamus tussen hersenen en hormonen. In S.Tuinier, W. M. A. Verhoeven, & P. J. A. van Panhuis (Eds.), *Behandelingsstrategieën bij agressieve gedragsstoornissen* (pp. 1-13). Houten/Diegem: Bohn Stafleu Van Loghem.
91. Fuchs, E. & Kruk, M. R. (2001). Symposium: Glucocorticoids and aggression. *Aggressive Behavior*, 27(3), 159.
92. Haller, J., Fabich, K., & Kruk, M. R. (2001). Pulsating corticosterone secretion in male rats: Fast effects on aggressiveness. *Aggressive Behavior*, 27(3), 221-222.
93. Haller, J., van de Schraaf, J., & Kruk, M. R. (2001). Dynamics of steroids and territorial aggressive behavior. *Aggressive Behavior*, 27(3), 159-160.
94. Haller, J., van de Schraaf, J., & Kruk, M. R. (2001). Deviant forms of aggression in glucocorticoid hyporeactive rats: a model for 'pathological' aggression? *J.Neuroendocrinol.*, 13(1), 102-107.
95. Kruk, M. R., Halasz, J., & Haller, J. (2001). A dynamic adrenocortical stress system is crucial for the expression of hypothalamic aggression. *Aggressive Behavior*, 27(3), 160.
96. Vis, P., Della Paschoa, O. E., Kruk, M. R., Martin, D., Mocaer, E., Danhof, M. et al. (2001). Population pharmacokinetic-pharmacodynamic modelling of S 15535, a 5-HT(1A) receptor agonist, using a behavioural model in rats. *Eur.J.Pharmacol.*, 414(2-3), 233-243.
97. Halasz, J., Liposits, Z., Kruk, M. R., & Haller, J. (2002). Neural background of glucocorticoid dysfunction-induced abnormal aggression in rats: involvement of fear- and stress-related structures. *Eur.J.Neurosci.*, 15(3), 561-569.
98. Halasz, J., Liposits, Z., Meelis, W., Kruk, M. R., & Haller, J. (2002). Hypothalamic attack area-mediated activation of the forebrain in aggression. *Neuroreport*, 13(10), 1267-1270.
99. Feldker, D. E., de Kloet, E. R., Kruk, M. R., & Datson, N. A. (2003). Large-scale gene expression profiling of discrete brain regions: potential, limitations, and application in genetics of aggressive behavior. *Behav.Genet.*, 33(5), 537-548.
100. Haller, J. & Kruk, M. R. (2003). Neuroendocrine Stress Responses and Aggression. In M.P.Mattson (Ed.), *Neurobiology of aggression: Understanding and preventing violence* (pp. 93-118). Totowa, N.J: Humana Press.
101. Jonker, D. M., van de Mheen, C., Eilers, P. H., Kruk, M. R., Voskuyl, R. A., & Danhof, M. (2003). Anticonvulsant drugs differentially suppress individual ictal signs: a pharmacokinetic/pharmacodynamic analysis in the cortical stimulation model in the rat. *Behav.Neurosci.*, 117(5), 1076-1085.

102. Haller, J., Halasz, J., Mikics, E., & Kruk, M. R. (2004). Chronic glucocorticoid deficiency-induced abnormal aggression, autonomic hypoarousal, and social deficit in rats. *J Neuroendocrinol.*, 16(6), 550-557.
103. Kruk, M. R., Halasz, J., Meelis, W., & Haller, J. (2004). Fast positive feedback between the adrenocortical stress response and a brain mechanism involved in aggressive behavior. *Behav. Neurosci.*, 118(5), 1062-1070.
104. Mikics, E., Kruk, M. R., & Haller, J. (2004). Genomic and non-genomic effects of glucocorticoids on aggressive behavior in male rats. *Psychoneuroendocrinology*, 29(5), 618-635.
105. Hrabovszky, E., Halasz, J., Meelis, W., Kruk, M. R., Liposits, Z., & Haller, J. (2005). Neurochemical characterization of hypothalamic neurons involved in attack behavior: glutamatergic dominance and co-expression of thyrotropin-releasing hormone in a subset of glutamatergic neurons. *Neuroscience*, 133(3), 657-666.
106. Kruk, M. R. & de Kloet, E. R. (2005). Genen, glucocorticoiden en geweld. *Tijdschrift voor Criminol.*, 47(2), 136-141.
107. Haller, J. & Kruk, M. R. (2006). Normal and abnormal aggression: human disorders and novel laboratory models. *Neurosci. Biobehav. Rev.*, 30(3), 292-303.
108. Bertsch K, Böhnke R, Kruk MR, Naumann E. (2009) Influence of aggression on information processing in the emotional stroop task--an event-related potential study. *Front Behav Neurosci.* 2009;3:28. Epub 2009 Sep 9.
109. Böhnke R, Bertsch K, Kruk MR, Naumann E. (2010) The relationship between basal and acute HPA axis activity and aggressive behavior in adults. *J Neural Transm. May*;117(5):629-37. Epub 2010 Mar 24.
110. Böhnke R, Bertsch K, Kruk MR, Richter S, Naumann E (2010) Exogenous cortisol enhances aggressive behavior in females, but not in males. *Psychoneuroendocrinology. Aug*;35(7):1034-44. Epub 2010 Feb 2.
111. Bertsch K, Böhnke R, Kruk MR, Richter S, Naumann E (2011). Exogenous cortisol facilitates responses to social threat under high provocation. *Horm Behav. Apr*;59(4):428-34. doi: 10.1016/j.yhbeh.2010.12.010. Epub 2010 Dec 31.
112. Kruk MR, Haller J, Meelis W, de Kloet ER.(2013) Mineralocorticoid receptor blockade during a rat's first violent encounter inhibits its subsequent propensity for violence. *Behav Neurosci. Aug*;127(4):505-14. doi: 10.1037/a0033553.
113. Kruk MR. (2014) Hypothalamic attack: a wonderful artifact or a useful perspective on escalation and pathology in aggression? A viewpoint. *Curr Top Behav Neurosci.* 2014;17:143-88. doi: 10.1007/7854_2014_313. Review.
114. Kumi O. Kuroda and Menno R. Kruk (2017) Neurobiological basis of Aggression I : Historical Overview. *Jpn J Clin. Psychiatry* (46), 9, September 2017, pp 1057-1066. Japanese Characters. No English abstract.
115. Shinozuka Kazutaka, Yano Saori, Menno R. Kruk and Kumi O. Kuroda Neurobiological basis of Aggression II: Recent Progress. *Jpn J Clin. Psychiatry* (46), 9, September 2017, pp 1067-1076. Japanese Characters. No English abstract.

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- 1 Ethopharmacological Aggression Research (1984), *Progress in Clinical and Biological Research* 167. K.A. Miczek, Menno R. Kruk and Berend Olivier (Eds), Alan Liss NY, ISBN 0-8451- 5017-0
- 2 *Neurosci. Biobehav. Rev.* (1998) 23 (2), *Special Issue on the 2nd Ethopharmacology Conference* (Sopron, Hungary). R.J. Rodgers, J. Haller, M. Krsiak, M.R. Kruk, (Eds) ISSN 0149-7634.
- 3 *Discussions on Context Causes and Consequences of Conflict* (2010). M.R. Kruk & M. Kruk-de Bruin (Eds). Published by the *Lorentz Center, Leiden University*. ISBN 978-90-6824-31-3.
- 4 *Current Views on Hypothalamic Contributions to the Control of Motivated Behaviors*. Special section: *Aggression*. Editors, Menno R. Kruk & Joel D. Hahn. *Frontiers in Systems Neuroscience* (2017-2018).

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