

RODENT TOUCH SCREEN BIBLIOGRAPHY

- Bergstrom et al., Dorsolateral Striatum Engagement Interferes with Early Discrimination Learning. *Cell Reports* **2018**, <https://doi.org/10.1016/j.celrep.2018.04.081>
- Benevento M, Oomen CA, Horner AE, Amiri H, Jacobs T1, Pauwels C, Frega M, Kleefstra T, Kopanitsa MV, Grant SG, Bussey TJ, Saksida LM, Van der Zee CE, van Bokhoven H, Glennon JC, Kasri NN. Haploinsufficiency of EHMT1 improves pattern separation and increases hippocampal cell proliferation. *Sci Rep.* **2017** Jan 10;7
- Fitzpatrick CM, Caballero-Puntiverio M, Gether U, Habekost T, Bundesen C4, Vangkilde S, Woldbye DP, Andreasen JT, Petersen A. Theory of Visual Attention (TVA) applied to mice in the 5-choice serial reaction time task. *Psychopharmacology (Berl).* **2017** Jan 9.. [Epub ahead of print]
- Morita M, Wang Y, Sasaoka T, Okada K, Niwa M, Sawa A, Hikida T. Dopamine D2L Receptor Is Required for Visual Discrimination and Reversal Learning. *Mol Neuropsychiatry.* **2016** Oct;2(3):124-132.
- Shepherd A, Tyebji S, Hannan AJ, Burrows EL. Translational Assays for Assessment of Cognition in Rodent Models of Alzheimer's Disease and Dementia. *J Mol Neurosci.* **2016** Nov;60(3):371-382.
- Kim CH, Hvoslef-Eide M, Nilsson SR, Johnson MR, Herbert BR, Robbins TW, Saksida LM, Bussey TJ, Mar AC. Erratum to: The continuous performance test (rCPT) for mice: a novel operant touchscreen test of attentional function. *Psychopharmacology (Berl).* **2016** Sep;233(18):3471.
- Tran TP, Christensen HL, Bertelsen FC, Bouzinova E, Møller A, Wiborg O. The touchscreen operant platform for assessing cognitive functions in a rat model of depression. *Physiol Behav.* **2016** Jul 1;161:74-80
- Nilsson SR, Celada P, Fejgin K, Thelin J, Nielsen J, Santana N, Heath CJ, Larsen PH, Nielsen V, Kent BA, Saksida LM, Stensbøl TB, Robbins TW, Bastlund JF, Bussey TJ, Artigas F, Didriksen M. A mouse model of the 15q13.3 microdeletion syndrome shows prefrontal neurophysiological dysfunctions and attentional impairment. *Psychopharmacology (Berl).* **2016** Jun;233(11):2151-63.
- Al-Onaizi MA, Parfitt GM, Kolisnyk B, Law CS, Guzman MS, Barros DM, Leung LS, Prado MA, Prado VF. Regulation of Cognitive Processing by Hippocampal Cholinergic Tone. *Cereb Cortex.* **2016** Jan 22. [Epub ahead of print]
- Thao Phuong Tran, Helle Lyng Christensen, Freja Cecilia Brandt Bertelsen, Elena Bouzinova, Arne Møller, Ove Wiborg. The touchscreen operant platform for assessing cognitive functions in a rat model of depression. *Physiology & Behavior*, **2016** 161: 74-80
- Regina McCenery. Strawberry Milkshake Forever. *Eureka*, **2016**, June 20. - <http://www.criver.com/about-us/eureka/blog/june-2016/strawberry-milkshakes-forever>.
- Mallien AS, Palme R, Richetto J, Muzzillo C, Richter SH, Vogt MA, Inta D4, Riva MA, Vollmayr B, Gass P. Daily exposure to a touchscreen-paradigm and associated food restriction evokes an increase in adrenocortical and neural activity in mice. *Horm Behav.* **2016** May;81:97.
- Brittney R. Lins, John G. Howland Effects of the metabotropic glutamate receptor 5 positive allosteric modulator CDPPB on rats tested with the paired associates learning task in touchscreen-equipped operant conditioning chambers.. *Behavioural Brain Research* **2016** 301: 152–160
- Copping NA, Berg EL, Foley GM, Schaffler MD, Onaga BL, Buscher N, Silverman JL, Yang M. Touchscreen learning deficits and normal social approach behavior in the Shank3B model of Phelan-McDermid Syndrome and autism. *Neuroscience.* **2016** May 14... [Epub ahead of print]

- Hvoslef-Eide M, Nilsson SR, Saksida LM, Bussey TJ. Cognitive Translation Using the Rodent Touchscreen Testing Approach. *Curr Top Behav Neurosci*. **2016**;28:423-47.
- Leach PT, Hayes J, Pride M, Silverman JL, Crawley JN. Normal Performance of Fmr1 Mice on a Touchscreen Delayed Nonmatching to Position Working Memory Task. *eNeuro*. **2016** Mar 15;3(1)
- Skillings EA, Morton AJ. Delayed Onset and Reduced Cognitive Deficits through Pre-Conditioning with 3-Nitropropionic Acid is Dependent on Sex and CAG Repeat Length in the R6/2 Mouse Model of Huntington's Disease. *J Huntingtons Dis*. **2016**;5(1):19-32.
- Dickson PE, Cairns J, Goldowitz D, Mittleman G. Cerebellar contribution to higher and lower order rule learning and cognitive flexibility in mice. *Neuroscience*. **2016** Mar 21 [Epub ahead of print]
- Koike H, Demars MP, Short JA, Nabel EM, Akbarian S, Baxter MG, Morishita H. Chemogenetic Inactivation of Dorsal Anterior Cingulate Cortex Neurons Disrupts Attentional Behavior in Mouse. *Neuropsychopharmacology*. **2016** Mar;41(4):1014-23
- Heath CJ, Phillips BU, Bussey TJ, Saksida LM. Measuring Motivation and Reward-Related Decision Making in the Rodent Operant Touchscreen System. *Curr Protoc Neurosci*. **2016** Jan 4;
- Okuyama-Uchimura F, Komai S. Mouse Ability to Perceive Subjective Contours. *Perception*. **2016** Mar;45(3):315-27.
- Glynn D, Skillings EA, Morton AJ. A comparison of discrimination learning in touchscreen and 2-choice swim tank using an allelic series of Huntington's disease mice. *J Neurosci Methods*. **2016** May 30;265:56-71
- Kim CH, Heath CJ, Kent BA, Horner AE, Bussey TJ, Saksida LM. Erratum to: The role of the dorsal hippocampus in two versions of the touchscreen automated paired associates learning (PAL) task for mice. *Psychopharmacology (Berl)*. **2015** Dec;232(24):4537
- Yang M, Lewis FC, Sarvi MS, Foley GM, Crawley JN. 16p11.2 Deletion mice display cognitive deficits in touchscreen learning and novelty recognition tasks. *Learn Mem*. **2015** Nov 16;22(12):622-32
- Beraldo FH, Thomas A, Kolisnyk B, Hirata PH, De Jaeger X, Martyn AC, Fan J, Goncalves DF, Cowan MF, Masood T, Martins VR, Gros R, Prado VF, Prado MA. Hyperactivity and attention deficits in mice with decreased levels of stress-inducible phosphoprotein 1 (STIP1). *Dis Model Mech*. **2015** Nov;8(11):1457-66.
- Hvoslef-Eide M, Mar AC, Nilsson SR, Alsiö J, Heath CJ, Saksida LM, Robbins TW, Bussey TJ. The NEWMEDS rodent touchscreen test battery for cognition relevant to schizophrenia. *Psychopharmacology (Berl)*. **2015** Nov;232(21-22):3853-72
- Gould RW, Dencker D, Grannan M, Bubser M, Zhan X, Wess J, Xiang Z, Locuson C, Lindsley CW, Conn PJ, Jones CK Role for the M1 Muscarinic Acetylcholine Receptor in Top-Down Cognitive Processing Using a Touchscreen Visual Discrimination Task in Mice. *ACS Chem Neurosci*. **Glu** Oct 21;6(10)
- Bharmal AV, Kent BA, Bussey TJ, Saksida LM. Performance of transgenic TgTau-P301L mice in a 5-choice serial reaction time task (5-CSRTT) as a model of Alzheimer's disease. *Psychiatr Danub*. **2015** Sep;27 Suppl 1:S515-25.
- Hvoslef-Eide M2, Oomen CA, Fisher BM, Heath CJ, Robbins TW, Saksida LM, Bussey TJ. Facilitation of spatial working memory performance following intra-prefrontal cortical administration of the adrenergic alpha1 agonist phenylephrine. *Psychopharmacology (Berl)*. **2015** Nov;232(21-22):4005-16.
- Kim CH1, Romberg C, Hvoslef-Eide M, Oomen CA, Mar AC, Heath CJ, Berthiaume AA, Bussey TJ, Saksida LM. Trial-unique, delayed nonmatching-to-location (TUNL) touchscreen testing for mice: sensitivity to dorsal hippocampal dysfunction. *Psychopharmacology (Berl)*. **2015** Nov;232(21-22):3935-45.
- Nithianantharajah J, McKechnie AG, Stewart TJ, Johnstone M, Blackwood DH, St Clair D, Grant SG, Bussey TJ, Saksida LM. Bridging the translational divide: identical cognitive touchscreen testing in mice and humans carrying mutations in a disease-relevant homologous gene. *Sci Rep*. **2015** Oct 1;5:14613.

- Heath CJ, Bussey TJ, Saksida LM. Motivational assessment of mice using the touchscreen operant testing system: effects of dopaminergic drugs. *Psychopharmacology (Berl)*. **2015** Nov;232(21-22):4043-57.
- Oomen CA, Hvoslef-Eide M, Kofink D, Preusser F, Mar AC, Saksida LM, Bussey TJ. A novel 2- and 3-choice touchscreen-based continuous trial-unique nonmatching-to-location task (cTUNL) sensitive to functional differences between dentate gyrus and CA3 subregions of the hippocampus. *Psychopharmacology (Berl)*. **2015** Nov;232(21-22):3921-33.
- Howe WM, Tierney PL, Young DA, Oomen C, Kozak R. MAM (E17) rodent developmental model of neuropsychiatric disease: disruptions in learning and dysregulation of nucleus accumbens dopamine release, but spared executive function. *Psychopharmacology (Berl)*. **2015** Nov;232(21-22):4113-27.
- Beraldo CH, Hvoslef-Eide M, Nilsson SR, Johnson MR, Herbert BR, Robbins TW, Saksida LM, Bussey TJ, Mar AC. The continuous performance test (rCPT) for mice: a novel operant touchscreen test of attentional function. *Psychopharmacology (Berl)*. **2015** Nov;232(21-22):3947-66.
- Lins BR, Phillips AG, Howland JG. Effects of D- and L-govadine on the disruption of touchscreen object-location paired associates learning in rats by acute MK-801 treatment. *Psychopharmacology (Berl)*. **2015** Dec;232(23):4371-82.
- David F. Delotterie, Chantal Mathis, Jean-Christophe Cassel, Holger Rosenbrock, Cornelia Dorner-Ciossek, Anelise Martib. Touchscreen tasks in mice to demonstrate differences between hippocampal and striatal functions. *Neurobiology of Learning and Memory*, **2015**, 120:16-27
- Brigman JL, Daut RA, Saksida L, Bussey TJ, Nakazawa K, Holmes A Impaired discrimination learning in interneuronal NMDAR-GluN2B mutant mice. *Neuroreport*. **2015** Jun 17;26(9):489-94
- Stolyarova A, Izquierdo A. Distinct patterns of outcome valuation and amygdala-prefrontal cortex synaptic remodeling in adolescence and adulthood. *Front Behav Neurosci*. **2015** May 7;9:115.
- Jesus G. Ochoa, Alexandra Stolyarova, Amandeep Kaur, Evan E. Hart, Amador Bugarin, and Alicia Izquierdo. Post-training depletions of basolateral amygdala serotonin fail to disrupt discrimination, retention, or reversal learning. *Front Neurosci*. **2015**; 9: 155.
- Stringer TP, Guerrieri D, Vivar C, van Praag H. Plant-derived flavanol (-)-epicatechin mitigates anxiety in association with elevated hippocampal monoamine and BDNF levels, but does not influence pattern separation in mice. *Transl Psychiatry*. **2015** Jan 6;5
- Skilling EA, Wood NI, Morton AJ. Beneficial effects of environmental enrichment and food entrainment in the R6/2 mouse model of Huntington's disease. *Brain Behav*. **2014** Sep;4(5)
- Marine Joly , Sandra Ammersdörfer , Daniel Schmidtke , Elke Zimmermann, Touchscreen-Based Cognitive Tasks Reveal Age-Related Impairment in a Primate Aging Model, the Grey Mouse Lemur (*Microcebus murinus*) *PLoS One*. **2014** October 09,
- Joly M, Ammersdörfer S, Schmidtke D, Zimmermann E. Touchscreen-based cognitive tasks reveal age-related impairment in a primate aging model, the grey mouse lemur (*Microcebus murinus*). *PLoS One*. **2014** Oct 9;9(10)
- Bubser M, Bridges TM, Dencker D, Gould RW, Grannan M, Noetzel MJ, Lamsal A, Niswender CM, Daniels JS, Poslusney MS, Melancon BJ, Tarr JC, Byers FW, Wess J, Duggan ME, Dunlop J, Wood MW, Brandon NJ, Wood MR, Lindsley CW, Conn PJ, Jones CK. Selective Activation of M4 Muscarinic Acetylcholine Receptors Reverses MK-801-Induced Behavioral Impairments and Enhances Associative Learning in Rodents. *ACS Chem Neurosci*. **2014** Oct 15;5(10):920-42.
- Delotterie D, Mathis C, Cassel JC, Dorner-Ciossek C, Marti A. Optimization of touchscreen-based behavioral paradigms in mice: implications for building a battery of tasks taxing learning and memory functions. *PLoS One*. **2014** Jun 24;9(6):e100817.
- Richter SH, Vogel AS, Ueltzhöffer K, Muzzillo C, Vogt MA, Lankisch K, Armbruster-Genç DJ, Riva MA, Fiebach CJ, Gass P, Vollmayr B. Touchscreen-paradigm for mice reveals cross-species evidence for an antagonistic relationship of cognitive flexibility and stability. *Front Behav Neurosci*. **2014** May 5;8:154.

- Graybeal C, Bachu M, Mozhui K, Saksida LM, Bussey TJ, Sagalyn E, Williams RW, Holmes A. Strains and stressors: an analysis of touchscreen learning in genetically diverse mouse strains. *PLoS One*. **2014** Feb 19;9(2):e87745. doi: 10.1371/journal.pone.0087745. eCollection 2014
- Silverman JL1, Gastrell PT, Karras MN, Solomon M, Crawley JN. Cognitive Abilities on Transitive Inference Using a Novel Touchscreen Technology for Mice. *Cereb Cortex*. **2013** 25(5) · November 2013
- Oomen CA, Hvoslef-Eide M, Heath CJ, Mar AC, Horner AE, Bussey TJ, Saksida LM. The touchscreen operant platform for testing working memory and pattern separation in rats and mice. *Nat Protoc*. **2013** Oct;8(10):2006-21.
- Mar AC, Horner AE, Nilsson SR, Alsiö J, Kent BA, Kim CH, Holmes A, Saksida LM, Bussey TJ. The touchscreen operant platform for assessing executive function in rats and mice. *Nat Protoc*. **2013** Oct;8(10):1985-2005.
- Horner AE, Heath CJ, Hvoslef-Eide M, Kent BA, Kim CH, Nilsson SR, Alsiö J, Oomen CA, Holmes A, Saksida LM, Bussey TJ. The touchscreen operant platform for testing learning and memory in rats and mice. *Nat Protoc*. **2013** Oct;8(10):1961-84.
- DePoy L, Daut R, Brigman JL, MacPherson K, Crowley N, Gunduz-Cinar O, Pickens CL, Cinar R, Saksida LM, Kunos G, Lovinger DM, Bussey TJ, Camp MC, Holmes A. Chronic alcohol produces neuroadaptations to prime dorsal striatal learning. *Proc Natl Acad Sci U S A*. **2013** Sep 3;110(36):14783-8.
- Nithianantharajah J, Grant SG. Cognitive components in mice and humans: combining genetics and touchscreens for medical translation. *Neurobiol Learn Mem*. **2013** Oct;105:13-9.
- McTighe SM, Neal SJ, Lin Q, Hughes ZA, Smith DG. The BTBR mouse model of autism spectrum disorders has learning and attentional impairments and alterations in acetylcholine and kynurenic acid in prefrontal cortex. *PLoS One*. **2013** Apr 24;8(4):e62189
- McAllister KA, Saksida LM, Bussey TJ. Dissociation between memory retention across a delay and pattern separation following medial prefrontal cortex lesions in the touchscreen TUNL task. *Neurobiol Learn Mem*. **2013** Mar;101:120-6
- Jess Nithianantharajah, Noboru H Komiyama, Andrew McKechnie, Mandy Johnstone, Douglas H Blackwood, David St Clair, Richard D Emes, Louie N van de Lagema, Lisa M Saksida, Timothy J Bussey, Seth G N Grant. Synaptic scaffold evolution generated components of vertebrate cognitive complexity. *Nature Neuroscience* **2013** Jan;16(1):16-24.
- Timothy J. Bussey, Deanna M. Barch, Mark G. Baxter. Testing long-term memory in animal models of schizophrenia: Suggestions from CNTRICS. *Neuroscience and Biobehavioral Reviews* **2013** Nov;37(9 Pt B):2141-8.
- Carola Romberga, Timothy J. Bussey Lisa M. Saksida. Paying more attention to attention: Towards more comprehensive cognitive translation using mouse models of Alzheimer's disease. *Brain Research Bulletin* **2013** Mar;92:49-55.
- Carola Romberga, Alexa E. Hornera, Timothy J. Bussey, Lisa M. Saksida, A touch screen-automated cognitive test battery reveals impaired attention, memory abnormalities, and increased response inhibition in the TgCRND8 mouse model of Alzheimer's disease. *Neurobiology of Aging* **2013** Mar;34(3):731-44.
- Coba MP, Komiyama NH, Nithianantharajah J, Kopanitsa MV, Indersmitten T, Skene NG, Tuck EJ, Fricker DG, Elsegood KA, Stanford LE, Afnowi NO, Saksida LM, Bussey TJ, O'Dell TJ, Grant SG. TNiK is required for postsynaptic and nuclear signaling pathways and cognitive function. *J Neurosci*. **2012** Oct 3;32(40):13987-99.
- Bussey TJ, Holmes A, Lyon L, Mar AC, McAllister KAL, Nithianantharajah J, Oomen CA, Saksida LM. New translational assays for preclinical modelling of cognition in schizophrenia: The touchscreen testing method for mice and rats. *Neuropharmacology*. 2012 Mar;62(3):1191-203. *Epub* **2011** Apr 21.
- Graybeal C, Feyder M, Schulman E, Saksida LM, Bussey TJ, Brigman JL, Holmes A. Paradoxical reversal learning enhancement by stress or prefrontal cortical damage: rescue with BDNF. *Nat Neurosci*. **2011** Nov 6;14(12):1507-9.

- Romberg C, Mattson MP, Mughal MR, Bussey TJ, Saksida LM. Impaired attention in the 3xTgAD mouse model of Alzheimer's disease: rescue by donepezil (Aricept). *J Neurosci*. **2011** Mar 2;31(9):3500-7.
- McCarthy AD, Owens IJ, Bansal AT, McTighe SM, Bussey TJ, Saksida LM. FK962 and donepezil act synergistically to improve cognition in rats: potential as an add-on therapy for Alzheimer's disease. *Pharmacol Biochem Behav*. **2011** Mar;98(1):76-80. Epub 2010 Dec 2.
- Bartko SJ, Vendrell I, Saksida LM, Bussey TJ. A computer-automated touchscreen paired-associates learning (PAL) task for mice: impairments following administration of scopolamine or dicyclomine and improvements following donepezil. *Neurobiol Learn Mem*. **2010** Feb;93(2):221-8. Epub 2009 Oct 13.
- Baker M. Animal Models: Inside The Minds Of Mice And Men. *Nature*. **2011** Jul 6;475(7354):123-8.
- Bartko SJ, Romberg C, White B, Jurgen W, Bussey TJ, Saksida LM. Intact attentional processing but abnormal responding in M1 muscarinic receptor-deficient mice using automated touchscreen method. *Neuropharmacology* 2011 Dec;61(8):1366-78. Epub **2011** Aug 30.
- Brigman JL, Graybeal C, Holmes A. Predictably irrational: assaying cognitive inflexibility in mouse models of schizophrenia. *Front Neurosci*. **2010** Apr 15;4. pii: 13.
- Izquierdo A, Belcher AM, Scott L, Cazares VA, Chen J, O'Dell SJ, Malvaez M, Wu T, Marshall JF.. Reversal-specific learning impairments after a binge regimen of methamphetamine in rats: possible involvement of striatal dopamine.. *Neuropsychopharmacology*. **2010** Jan;35(2):505-14. Epub
- Brigman JL., Poonam M, Harvey-White J, Izquierdo A, Saksida LM, Bussey TJ, Fox S, Deneris E, Murphy DL and Holmes A. Pharmacological or Genetic Inactivation of the Serotonin Transporter Improves Reversal Learning in Mice. *Cerebral Cortex*. **2010** Aug;20(8):1955-63. Epub 2009 Dec 23.
- Talpos JC, McTighe SM, Dias R, Saksida LM, Bussey TJ. Trial-unique, delayed nonmatching-to-location (TUNL): A novel, highly hippocampus-dependent automated touchscreen test of location memory and pattern separation. *Neurobiology of Learning and Memory* **2010** 94:341-352
- Winters BD, Bartko SJ, Saksida LM, Bussey TJ. Muscimol AP5 or scopolamine infused into perirhinal cortex impairs two-choice visual discrimination learning in rats. *Neurobiology of Learning and Memory* **2010** 93:221-228
- Creer DJ, Romberg C, Saksida LM, van Praag H, Bussey TJ. Running enhances spatial pattern separation in mice. *Proc Natl Acad Sci USA*. **2010** Feb;107(5) 2367-2372.
- Talpos JC, Winters BD, Dias R, Saksida LM, Bussey TJ. A novel touchscreen-automated paired-associate learning (PAL) task sensitive to pharmacological manipulation of the hippocampus: a translational rodent model of cognitive impairments in neurodegenerative disease. *Psychopharmacology (Berl)*. **2009** Jul;205(1):157-68. Epub 2009 Apr 9.
- Clelland CD, Choi M, Romberg C, Clemenson GD Jr, Fragniere A, Tyers P, Jessberger S, Saksida LM, Barker RA, Gage FH, Bussey TJ. A functional role for adult hippocampal neurogenesis in spatial pattern separation. *Science*. 2009 Jul 10;325(5937):210-3.
- McTighe SM, Mar AC, Romberg C, Bussey TJ, Saksida LM. A new touchscreen test of pattern separation: effect of hippocampal lesions. *Neuroreport*. **2009** Jun 17;20(9):881-5.
- Brigman JL, Ihne J, Saksida LM, Bussey TJ, Holmes A. Effects of Subchronic Phencyclidine (PCP) Treatment on Social Behaviors, and Operant Discrimination and Reversal Learning in C57BL/6J Mice. *Front Behav Neurosci*. **2009**;3:2. Epub 2009 Feb 23.
- Karlsson RM, Tanaka K, Saksida LM, Bussey TJ, Heilig M, Holmes A. Assessment of glutamate transporter GLAST (EAAT1)-deficient mice for phenotypes relevant to the negative and executive/cognitive symptoms of schizophrenia. *Neuropsychopharmacology*. **2009** May;34(6):1578-89. Epub 2008 Dec 10.

- Bussey, T.J., Padain, T.L., Skillings, E.A., Winters, B.D., Morton, A.J., & Saksida, L.M. (2008). The touchscreen cognitive testing method for rodents: How to get the best out of your rat. *Learning and Memory*, 15: 516-523
- Brigman, J., Feyder, M., Saksida, L.M., Bussey, T.J., Mishina, M., & Holmes, A. (2008) Impaired discrimination learning in mice lacking the NMDA receptor NR2A subunit. *Learning & Memory*, 15:50-54.
- Morton, A.J., Skillings, E., Bussey, T.J. & Saksida, L.M. (2006). Measuring cognitive deficits in disabled mice using an automated interactive touchscreen system. *Nature Methods*, 3:767.
- Brigman, J.L., Bussey, T.J., Saksida, L.M. & Rothblat, L.R. (2005). Discrimination of multidimensional visual stimuli by mice: Intra- and extradimensional shifts. *Behavioral Neuroscience*, 119:839-842.
- Chudasama Y, Robbins TW. (2003), Dissociable contributions of the orbitofrontal and infralimbic cortex to pavlovian autoshaping and discrimination reversal learning: further evidence for the functional heterogeneity of the rodent frontal cortex. *J Neurosci*. 24;23(25):8771-80.
- Chudasama Y, Bussey TJ, Muir JL. (2001) Effects of selective thalamic and prelimbic cortex lesions on two types of visual discrimination and reversal learning. *Eur J Neurosci*. Sep;14(6):1009-20.
- Timothy J. Bussey , Janette Duck, Janice L. Muir, John P. Aggleton (2000) Distinct patterns of behavioural impairments resulting from fornix transection or neurotoxic lesions of the perirhinal and postrhinal cortices in the rat. *Behavioural Brain Research* 111 187–202
- Bussey, T.J., Everitt, B.J. & Robbins, T.W. (1997). Dissociable effects of cingulate and medial frontal cortex lesions on stimulus-reward learning using a novel Pavlovian autoshaping procedure for the rat: Implications for the neurobiology of emotion. *Behavioral Neuroscience*, 111: 908-919.
- Bussey, T.J., Muir, J.L., Everitt, B.J. & Robbins, T.W. (1997). Triple dissociation of anterior cingulate, posterior cingulate, and medial frontal cortices on visual discrimination tasks using a touchscreen testing procedure for the rat. *Behavioral Neuroscience*, 111: 920-936.