

Curriculum Vitae

Febr 2012

Name : Nicolas F. Ramsey
Born : 06-29-1961 in the Netherlands
Nationality : United Kingdom
Home Address : Geertekerkhof 15, 3511XC, Utrecht, The Netherlands
Institute : Division of Neuroscience, Dept of Neurology and Neurosurgery, University Medical Center Utrecht, Room G.03.122 Heidelberglaan 100, 3584 CX Utrecht, The Netherlands
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Education

Bachelor degree : Psychology, 1983 at University of Utrecht
Masters degree : Psychology, 1987 at University of Utrecht
PhD : Psychology / Behavioral Pharmacology , Nov 1991
at the Rudolf Magnus Institute, Dept of Pharmacology, Medical Faculty, University of Utrecht
Supervisor : Prof.Dr. J.M.van Ree
Title of thesis : Cocaine Dependence : Factors in the initiation of self-administration in rats.

Carreer

1987-1991 PhD student (in training, AIO)
1992-1994 Fogarty Fellowship at the National Institute in Alcohol abuse and Alcoholism (Bethesda USA, with Dr. M. Linnoila and Dr. H. Weingartner)
1994-1995 Fogarty Fellowship at the National Institute of Mental Health (Bethesda USA, with Dr. D.R. Weinberger)
1995-1999 Assistant Professor (junior onderzoeker) at the Dept of psychiatry of the University Medical Center of Utrecht
1996- Head of the functional MRI research unit of the University Medical Center of Utrecht
1999-2006 Associate Professor (senior onderzoeker) at the Dept of Psychiatry of the University Medical Center of Utrecht
2006- 2007 Associate Professor (senior onderzoeker) at the Dept of Neurosurgery of the University Medical Center of Utrecht
2007- 2010 Professor at the Dept of Social Sciences (Utrecht University), in the field of Cognitive Neuroimaging
2007- Professor at the Dept Neurosurgery (UMC Utrecht), in the field of Cognitive Neuroscience

Societies

Member of the European College of Neuropsychopharmacology (ECNP) (1999 -)

Member of the Human Brain Mapping society (1995 -)
Member of the International Society for Magnetic Resonance in Medicine (2001 -)
Member of the Society for Neuroscience (2003 -)

Committees

Member of the Scientific Advisory Board of the Human Brain Mapping society (2001 -)
Member of the Abstract Review Board of the International Society for Magnetic Resonance in Medicine (2000 -)
Member of the Scientific Board of the European College of Neuropsychopharmacology (ECNP) (2004 -)
Member of the Workgroup on *Quality of the Addiction Research Program* (dutch national research grant organisation, ZonMW) 1999.
Member of the Program Preparation Committee "*Special Program for the Cognitive Sciences*", (Netherlands Organization for Scientific Research, NWO) 2000/2001
Member of the Program Committee on Drug Addiction Research (*Programma Commissie Verslaving*, Netherlands Organization for Scientific Research, NWO, ZonMW) 2001 - 2002
Vice Chairman of the Program Committee on Drug Addiction Research (*Programma Commissie Verslaving*, Netherlands Organization for Scientific Research, ZonMW) 2002 –2006
Member of the Committee on implications of new ways to influence the brain, of the Dutch Health Council ("*Commissie Implicaties van nieuwe mogelijkheden tot beïnvloeding van de Hersenen*", Gezondheidsraad) 2001-2002
Organizer of the fMRI Club Nederland (FCN), an annual meeting for researchers in cognitive neuroimaging (1999 -)
Organizer of the national FCN fMRI course 2001 (February, Utrecht)
Organizer of the Symposium "Access to the Living Brain 2004" (October, Utrecht)
Chair of the Program Preparation Committee for Government Funding of a new National Drug Addiction Research Program for 2006-2010 (Netherlands Organization for Scientific Research, NWO, ZonMW & NWO). Program approved in November 2005, for a total of 13 Mln. 2004-2005
Organizer of the international *Symposium on Brain Plasticity* (September, Utrecht). 2006
Member of the Program Committee "*Brain & Cognition: an integrated approach*", (Netherlands Organization for Scientific Research, NWO) 2008 -
Organizer of the international *Symposium on "Brain-Computer Interfacing in 2008* (July 2008, Utrecht Netherlands)
Member of the EU Review Committee for the TOBI consortium grant 2009 - 2013
Member of the EU Review Committee for the AsTeRICS consortium grant 2010 – 2013
Member of the EU Review Committee for the BrainAble consortium grant 2010 – 2013
Member of the Executive Board of the Brain & Cognition consortium (budget 31 Meuro)
Organizer of the international *Symposium on "Brain-Computer Interfacing in 2011*(May 2011, Utrecht Netherlands)

RESEARCH

Current Lines of Research (2011)

- Functional MRI data acquisition and analyses methods development
- Development of high-resolution fMRI on a 7 Tesla MR scanner
- Functional neuroimaging of cognitive functions in the human brain pertaining to perception, information processing and automatization.
- Neurophysiology and dynamics of Working Memory systems (single/multi unit, fMRI, EEG, ECoG and MEG)
- Neural substrates of cognitive deficits in psychiatric disorders, in particular schizophrenia, bipolar depression, obsessive compulsive disorders and drug addiction (fMRI, SPECT)
- Psychopharmacological Imaging of the human endocannabinoid system
- FMRI in presurgical planning, for localization of motor and language functions
- Brain Machine Interface applications based on cognitive brainfunctions
- Development of neuro-electrodes for implantable BCI systems

Acquired Grants

Fogarty Fellowship 1992-1994	NIAAA, Bethesda USA, with M. Linnoila
Fogarty Fellowship 1994-1995	NIMH, Bethesda USA, with D. Weinberger
WBSO 1996-2000	Development of fMRI techniques, in context of an Alliance between Utrecht University, Solvay Duphar and Ministry of Economic Affairs (150 k€)
PRI 2000-2001 (pharm. company)	Testing feasibility of using fMRI to assess drug efficacy, with H. Westenberg and R. Kahn (200 k€)
National Epilepsy Fund 2001-2005	Project on fMRI in epilepsy (1 AIO), with C.M. van Veelen, Dept Neurosurgery, UMC Utrecht (165 k€)
ZonMw 2002-2006	Project on adverse effects of XTC use in humans, with W. van den Brink and D. Korf, UVA, Amsterdam (1 M€)
ZonMw 2003-2008	Personal program grant on the neurophysiology of automatization of cognitive functions (VIDI, Dutch National Research Foundation) (600 k€)
PRI 2003-2004 (pharm. company)	Testing feasibility of using fMRI to assess drug efficacy, with H. Westenberg and R. Kahn (140 k€)
NWO 2004	Cognition Network Subsidie for Symposium 'Access to the living brain, neurophysiological advances in recording and modification of human brain function' (5 k€)
ZonMW 2005-2007	Collaboration grant with NIDA grantee Robert Block (Ohio, USA) on effects of cannabis on brainfunction in children (100 k€)
NWO 2005-2006	Van Gogh grant for collaboration with Dr. Duffau

	(neurosurgery) of the Salpetriere Hospital in Paris (France) (7 k€)
NWO 2006	Cognition Network Subsidie for Symposium 'Brain Dynamics and (re)organisation: Development and adaptation of structure and function' (5 k€)
NWO 2006-2007	Van Gogh grant for collaboration with Dr. Duffau (neurosurgery) of the Salpetriere Hospital in Paris (France) (3 k€)
NWO 2007-2013	Personal Program grant (VICI from STW) on invasive Brain-Computer Interface technology (1.25 M€)
TI Pharma 2007-2011	Program grant with academic and company partners on functions of the CB receptor systems (1.3 M€)
WBSO 2007-2011	Research on drug-ability of the CB system, in context of TI Pharma (150 k€)
Board of Directors, UMC Utrecht 2008-2012	Personal grant for research on EcoG signal coherence (250 k€)
SmartMix 2007-2013	Program grant with academic and company partners on Brain Computer Interface technology (0.7 M€)
SmartMix 2009-2013	Program grant with academic and company partners on Brain Computer Interface technology (0.4 M€)
FES 2010-2014	Consortium grant ('Brain and Cognition') on 'Treatment of Cognitive Disorders based on Functional brain topography (1.5 M€)

Supervised and Completed PhD theses

Martijn Jansma:

Title: Brain function and Schizophrenia : functional MRI studies of information processing and cognitive deficits
Department: Psychiatry UMC Utrecht
Promotors: RS Kahn
Co-Promotors: NF Ramsey
Date of PhD defense: 02-2002
Further achievements:Fellowship at NIH / NINDS

Geert-Jan Rutten:

Title: Presurgical identification of language areas with functional MRI
Department: Neurosurgery UMC Utrecht
Promotors: CW van Veelen, M Viergever
Co-Promotors: NF Ramsey, P van Rijen
Date of PhD defense: 09-2002
Prizes: Best thesis - Society of Neurosurgeons,
Best Thesis – Faculty of Medicine, Utrecht 2002
Best Paper, Rudolf Magnus Prize 2003

Iris Sommer:

Title: Language Lateralization in Schizophrenia

Department: Psychiatry UMC Utrecht
Promotors: RS Kahn
Co-Promotors: NF Ramsey
Date of PhD defense: 01-2004 (Cum Laude)
Prizes: Best Paper, Rudolf Magnus Prize 2004
Further achievements: prestigious personal grant (VENI)
prestigious personal grant (VIDI)

Nic van der Wee

Title: Windows on the brain. Functional neuroimaging studies in obsessive-compulsive disorder
Department: Psychiatry UMC Utrecht and UMC Leiden
Promotors: RS Kahn, HW Westenberg
Co-Promotors: NF Ramsey, H van Megen
Date of PhD defense: 05-2005

Matthijs Vink

Title: On inhibition: Studies in schizophrenia
Department: Psychiatry UMC Utrecht
Promotors: RS Kahn
Co-Promotors: NF Ramsey
Date of PhD defense: 06-2005
Further achievements: prestigious personal grant (VENI)

Mathijs Raemaekers

Title: Saccade inhibition in Schizophrenia. Towards phenotyping based on brain imaging
Department: Psychiatry UMC Utrecht
Promotors: RS Kahn
Co-Promotors: NF Ramsey
Date of PhD defense: 09-2006
Further achievements: prestigious personal grant (VENI)

Gerry Jager

Title: Functional MRI studies in human ecstasy and cannabis users.
Department: Psychiatry UMC Utrecht
Promotors: RS Kahn, W Van Den Brink, JM Van Ree
Co-Promotors: NF Ramsey
Date of PhD defense: 10-2006

Erno Hermans

Title: Defy or Ally. Neuroendocrine regulation of human socio-emotional behavior.
Department: Psychology, University Utrecht
Promotors: JL Kenemans, EHF de Haan
Co-Promotors: J van Honk, NF Ramsey
Date of PhD defense: 10-2006
Further achievements: prestigious personal grant (VENI)

Theo van Erp

Title: Hippocampus and Memory abnormalities in Schizophrenia.
Department: Dept. Psychology of UCLA, USA and Dept Psychiatry, University Utrecht
Promotors: NF Ramsey, RS Kahn
Date of PhD defense: 5-2007

Tamar van Raalten

Title: *The Automatic Brain, Studies on practice and brain function in healthy subjects and patients with schizophrenia*
Departments: Neurosurgery and Psychiatry UMC Utrecht
Promotors: NF Ramsey, RS Kahn
Date of PhD defense: 06-2009
Further achievements: Fellowship (Hersen Stichting Nederland) 2010-2011

Erika van Hell

Title: Endocannabinoid involvement in reward and impulsivity in addiction
Departments: Neurosurgery and Psychiatry UMC Utrecht
Promotors: NF Ramsey, RS Kahn
Date of PhD defense: 11-2011

Matthijs Bossong

Title: Role of the endocannabinoid system in human brain functions relevant for psychiatric disorders
Departments: Neurosurgery and Psychiatry UMC Utrecht
Promotors: NF Ramsey, RS Kahn
Date of PhD defense: 01-2012

Dora Hermes

Title: The Potential of Half a Million Neurons. Studies with electrocorticography and functional MRI in motor and language areas
Departments: Neurosurgery and Psychiatry UMC Utrecht
Promotors: NF Ramsey
Date of PhD defense: 04-2012

Supervised Postdocs with Significant Achievements during/on Ramsey Projects

Aldemar Torres Valderrama

Project: Braingain 2008-2012
Achievements: prestigious personal grant (VENI)

International Publications

¹Van Ree, J. M. ; **Ramsey, N. F.** The dopamine hypothesis of opiate reward challenged. Eur. J. Pharmacol. 1987, 134:239-243

²**Ramsey, N. F.** ; Van Ree, J. M. Chronic pretreatment with naltrexone facilitates acquisition of intravenous cocaine self-administration in rats. European. Neuropsychopharmacology. 1990, 1:55-61

³**Ramsey, N. F.** ; Van Ree, J. M. Intracerebroventricular naltrexone treatment attenuates acquisition of intravenous cocaine self-administration in rats. Pharmacol. Biochem. Behav. 1991 ,40:807-810.

⁴**Ramsey, N. F.** ; Van Ree, J. M. Reward and abuse of opiates. Pharmacol.Toxicol. 1992, 71:81-94

⁵**Ramsey, N. F.** ; Van Ree, J. M. Emotional but not physical stress enhances acquisition of intravenous cocaine self-administration in rats. Brain. Res. 1993, 608:216-222

⁶**Ramsey, N. F.** ; Niesink, R.J.M.; Van Ree, J. M. Prenatal exposure to morphine enhances cocaine and heroin self-administration in drug-naive rats. Drug Alc. Depend., 1993, 33: 41-51

Van Gelderen, P.; **Ramsey, N. F.** ;Liu, G.; Duyn, J.H.; Frank, J.A.; Weinberger, D.R.; Moonen, C.T.W. Three-dimensional functional magnetic resonance imaging of human brain on a clinical 1.5-T scanner. Proc.Natl.Acad.Sci. USA, 1995, 92: 6906-6910

Ramsey, N.F.; Tallent, K.; Van Gelderen, P.; Frank, J.A.; Moonen, C.T.W.; Weinberger, D.R. Reproducibility of human 3D fMRI brain maps acquired during a motor task. Human Brain Mapping, 1996,4:113-121

Ramsey, N.F.; Kirkby, B.S.; Van Gelderen, P.; Berman, K.F.; Duyn, J.H.; Frank, J.A.; Mattay, V.S.; Van Horn, J.D.; Esposito, G.; Moonen, C.T.W.; Weinberger, D.R. Functional mapping of human sensorimotor cortex with 3D BOLD fMRI correlates high with H215O PET rCBF, J.Cereb. Blood Flow Metab., 1996,16:755-764

¹⁰Ruttimann, U. E., Unser, M., Rawlings, R. R., Rio, D., **Ramsey, N. F.**, Mattay, V. S., Hommer, D. W., Frank, J. A., & Weinberger, D. R. Statistical analysis of functional MRI data in the wavelet domain, IEEE Trans.Med Imaging, 1998, vol. 17,no. 2, pp. 142-154.

Duyn JH, **Ramsey NF**, Mattay VS, van Gelderen P, Sexton RH, Tallent KA, Weinberger DR, Frank JA. Effects of large vessels in functional Magnetic Resonance Imaging at 1.5 Tesla., International Journal of Imaging Systems and Technology 6, 245-252 (1995).

Kuzmin, A., Semenova, S., **Ramsey, N. F.**, Zvartau, E. E., & Vanree, J. M. 1996, "Modulation of Cocaine Intravenous Self Administration in Drug Naive Animals by Dihydropyridine Ca²⁺ Channel Modulators", Eur J Pharmacol., vol. 295, pp. 19-25.

Yang, Y. H., Glover, G. H., Vangelderren, P., Mattay, V. S., Santha, A. K. S., Sexton, R. H., **Ramsey, N. F.**, Moonen, C. T. W., Weinberger, D. R., Frank, J. A., & Duyn, J. H. 1996, "Fast 3D Functional Magnetic Resonance Imaging at 1.5 T with Spiral Acquisition", Magnetic Resonance in Medicine, vol. 36, pp. 620-626.

Callicott, J. H., **Ramsey, N. F.**, Tallent, K., Bertolino, A., Knable, M. B., Coppola, R., Goldberg, T., Van Gelderen, P., Mattay, V. S., Frank, J. A., Moonen, C. T. W., & Weinberger, D. R. 1998,

"Functional magnetic resonance imaging brain mapping in psychiatry: Methodological issues illustrated in a study of working memory in schizophrenia", Neuropsychopharmacology, vol. 18,no. 3, pp. 186-196.

Jansma JM, **Ramsey NF** and Kahn RS (1998) Tactile stimulation during finger opposition does not contribute to 3D fMRI brain activity pattern, Neuroreport, vol. 9,no. 3, pp. 510-505.

Ramsey NF, Van den Brink JS, van Muiswinkel AM, Folkers PJ, Moonen CT, Jansma JM and Kahn RS (1998) Phase navigator correction in 3D fMRI improves detection of brain activation: quantitative assessment with a graded motor activation procedure, Neuroimage, vol. 8,no. 3, pp. 240-248.

Ramsey NF, Gerrits MA and Van Ree JM (1999) Naltrexone affects cocaine self-administration in naive rats through the ventral tegmental area rather than dopaminergic target regions, European Neuropsychopharmacology, vol. 9,no. 1-2, pp. 93-99.

Rutten GJM, van Rijen, PC, van Veelen CWM, and **Ramsey, N. F** (1999) Language area localization with three-dimensional functional magnetic resonance imaging matches intrasulcal electrostimulation in Broca's area. Ann Neurol 46, 405-408.

Hagoort P, **Ramsey NF**, Rutten GJM, van Rijen PC. (1999) The role of the left anterior temporal cortex in language processing. Brain and Language, 69: 322-325.

²⁰Sommer IE, **Ramsey NF**, Bouma A and Kahn RS (1999) Cerebral mirror-imaging in a monozygotic twin, Lancet, vol. 354,no. 9188, pp. 1445-1446.

Jansma JM, **Ramsey NF**, Coppola R, and Kahn RS (2000) Specific versus nonspecific brain activity in a parametric n-back task, Neuroimage, vol. 12,no. 6, pp. 688-697.

Van Ree JM, Niesink RJ, Van Wolfswinkel L, **Ramsey, NF**, Kornet MM, Van Furth WR, Vanderschuren LJ, Gerrits MA and Van den Berg C L (2000) Endogenous opioids and reward, Eur.J Pharmacol., vol. 405,no. 1-3, pp. 89-101.

Jansma JM, **Ramsey NF**, Slagter HA, Kahn RS (2001) Functional anatomical correlates of controlled and automatic processing, J.Cogn.Neuroscience, vol. 13, pp. 730-743.

Sommer IEC, **Ramsey NF**, Kahn RS (2001) Language lateralization in schizophrenia, an fMRI study, Schizophr.Res, vol. 52,no. 1-2, pp. 57-67.

Sommer IEC, Aleman A, **Ramsey NF**, Bouma A, Kahn RS (2001) Hand preference, language lateralisation and anatomical asymmetry in schizophrenia; a meta-analysis, Br.J.Psychiatry, vol. 178, pp. 344-351.

Ramsey NF, Sommer IEC, Rutten GJ, Kahn RS (2001) Combined analysis of language tasks in fMRI improves assessment of hemispheric dominance for language functions in individual subjects, Neuroimage, 13, 719-33

Aleman A, Rutten GJM, Sitskoorn MM, Dautzenberg G, and **Ramsey NF** (2001). Activation of striate cortex in the absence of visual stimulation: An fMRI study of synesthesia, NeuroReport, vol. 12,no. 13, pp. 2827-2830.

Raemaekers M, Jansma JMJ, Cahn W, Van der Geest JN, Van der Linden JA, Kahn RS, & **Ramsey NF** (2002) Neuronal substrate of the saccadic inhibition deficit in schizophrenia investigated with 3D Event Related fMRI, Arch. Gen. Psychiatry, vol. 59,no. 4, pp. 313-320.

Rutten GJM, **Ramsey NF**, van Rijen PC, van Veelen CWM (2002) Reproducibility of fMRI-determined language lateralization in individual subjects. Brain and Language,vol. 80,no. 3, pp. 421-437

³⁰Rutten GJM, **Ramsey NF**, van Rijen PC, Noordmans HJ, van Veelen CWM. (2002) Development of a functional MRI protocol for intraoperative localization of critical temporoparietal language areas, Ann.Neuro, vol. 51,no. 3, pp. 350-360.

Ramsey, NF, Koning HAM, Welles P, Cahn W, van der Linden JA, Kahn RS. (2002) Excessive recruitment of neural systems subserving logical reasoning in schizophrenia. Brain, 125, pp1793-1807

Rutten GJM, **Ramsey NF**, Van Rijen P., Van Veelen CWM. (2002) Interhemispheric reorganization of motor hand function to the primary cortex, Journal of Child Neurology, 17(4), pp 292-297

Aleman A, Schutter DJ, **Ramsey NF**, van Honk J, Kessels RP, Hoogduin JM, Postma A, Kahn R., De Haan EH (2002) Functional anatomy of top-down visuospatial processing in the human brain: evidence from rTMS. Brain Res Cogn Brain Res, vol. 14,no. 2, pp. 300-302.

Rutten GJM, **Ramsey NF**, Van Rijen PC, Alpherts WA, Van Veelen CWM (2002) fMRI-determined language lateralization in patients with unilateral or mixed language dominance according to the Wada test. Neuroimage, 17(1), pp. 447-460

Ramsey NF, Hoogduin H, Jansma JM. (2002) Functional MRI experiments: acquisition, analysis and interpretation of data. Eur.Neuropsychopharmacol. 12. pp 517-526

Sommer IE, **Ramsey NF**, Mandl RC, Kahn RS. (2002) Language lateralization in monozygotic twin pairs concordant and discordant for handedness. Brain 125, pp 2710-2718

Van der Wee NJ, **Ramsey NF**, Jansma JM, Denys DA, van Megen HJ, Westenberg HM and Kahn RS (2003) Spatial working memory deficits in obsessive compulsive disorder are associated with excessive engagement of the medial frontal cortex. Neuroimage 20, pp 2271-2280.

Sommer IE, **Ramsey NF**, Mandl RC and Kahn RS (2003) Language lateralization in female patients with schizophrenia: an fMRI study. Schizophr Res 60, pp 183-190.

Rutten GJ, **Ramsey NF**, Noordmans HJ, Willems P, Van Rijen P, Berkelbach van der Sprenkel JW, Viergever M and Van Veelen C (2003) Toward functional neuronavigation: implementation of functional magnetic resonance imaging data in a surgical guidance system for intraoperative identification of motor and language cortices. Technical note and illustrative case. Neurosurg Focus 15, pp 1-E6

⁴⁰Jansma JM, **Ramsey NF**, Van der Wee NJ, Kahn RS (2004) Working Memory Capacity in Schizophrenia: A Parametric fMRI Study. Schizophr Res, 68, pp 159-171

Sommer IE, **Ramsey NF**, Mandl RC, Van Oel CJ and Kahn RS (2004) Language activation in monozygotic twins discordant for schizophrenia. Br.J.Psychiatry 184 (2), pp 128-135

Ramsey NF, Jansma JM, Jager G, Van Raalten TR and Kahn RS (2004) Neurophysiological factors in human information processing capacity. Brain. 127, pp 517-525

Neggers SFW, Langerak TR, Schutter DJLG, Mandl RCW, **Ramsey NF**, Lemmens PJJ and Postma A. (2004) A stereotactic method for image-guided transcranial magnetic stimulation validated with fMRI and motor-evoked potentials. Neuroimage, 21 (4), pp 1805-1817

Leijten FS, **Ramsey NF** and Van Rijen PC (2004) Function localisation in neurosurgery: new tools, new practices? Clin.Neurol.Neurosurg. 107, pp 17-19

Ho Pian KL, Van Megen HJ, **Ramsey NF**, Mandl R, Van Rijk PP, Wynne HJ, Westenberg HG (2005) Decreased thalamic blood flow in obsessive-compulsive disorder patients responding to fluvoxamine. Psychiatry Res 138 (2), pp 89-97

Vink M, Kahn RS, Raemaekers M, Van den Heuvel M, Boersma M, **Ramsey NF** (2005) Function of striatum beyond inhibition and execution of motor responses, Human Brain Mapping 25, pp 336 –344

Vink M, Kahn RS, Raemaekers M, **Ramsey NF** (2005) Perceptual bias following visual target selection, Neuroimage, 25 (4), pp 1168-1174

Neggers SFW, Raemaekers MAH, Lampmann EEL, Postma A, **Ramsey NF** (2005) Cortical and subcortical contributions to saccade latency in the human brain, Eur J Neuroscience 21 (10) 2853-2863

Raemaekers MAH, Vink M, Van den Heuvel MP, Kahn RS, **Ramsey NF**. (2005) Brain activation related to retrosaccades in saccade experiments. Neuroreport 16, pp 1043-1047

⁵⁰Vink M, **Ramsey NF**, Raemaekers M, Kahn RS (2005) Negative priming in schizophrenia revisited. Schizophrenia Research 79 (2-3), pp 211-216

Kho KH, Leijten FS, Rutten GJ, Vermeulen J, Van Rijen P, **Ramsey NF**. (2005) Discrepant findings for Wada test and functional magnetic resonance imaging with regard to language function: use of electrocortical stimulation mapping to confirm results. Case report. J.Neurosurg. 102 (1), pp169-173

De Win MM, Jager G, Vervaeke HK, Schilt T, Reneman L, Booij J, Verhulst FC, Den Heeten GJ, **Ramsey NF**, Korf DJ, Van Den Brink W (2005) The Netherlands XTC Toxicity (NeXT) study: objectives and methods of a study investigating causality, course, and clinical relevance. Int.J. Methods Psychiatr.Res 14 (4), pp167-185

Raemaekers MAH. Vink M, Van den Heuvel MP, Kahn RS, **Ramsey NF** (2006) Effects of aging on BOLD fMRI during prosaccades and antisaccades. J Cogn Neurosci 18(4):594-603.

Raemaekers MAH, **Ramsey NF**, Vink M, Van den Heuvel MP, Kahn RS (2006) Brain activation during antisaccades in unaffected relatives of schizophrenic patients. Biol Psychiatry 59 (6): 530-535

Sommer IEC, Oranje B, **Ramsey NF**, Klerk FA, Mandl RC, Westenberg HW, Kahn RS (2006) The influence of amphetamine on language activation: an fMRI study. Psychopharmacology (Berl) 183 (4):387-393

Neggers SFW, Van der Lubbe RHJ, **Ramsey NF**, Postma A (2006) Interactions between ego- and allocentric neuronal representations of space. Neuroimage 31(1):320-31

Vink M, **Ramsey NF**, Raemaekers MAH, Kahn RS (2006) Striatal Dysfunction in Schizophrenia and Unaffected Siblings. Biol Psychiatry 60(1):32-9

Jager G, Kahn RS, Van den Brink W, Van Ree JM, **Ramsey NF** (2006) Long-term Effects of Frequent Cannabis Use on Working Memory and Attention: an fMRI Study. Psychopharmacology 185(3):358-68

Ramsey NF, Van den Heuvel MP, Kho KH, Leyten FSS (2006) Towards human BCI applications based on cognitive brain systems: An investigation of neural signals recorded from the dorsolateral prefrontal cortex. IEEE Trans.Neural Syst.Rehabil.Eng 14(2):214-7.

⁶⁰Van Der Wee N, Hardeman HH, **Ramsey NF**, Raemaekers M, Van Megen HJ, Denys DA, Westenberg HG, Kahn RS (2006) Saccadic abnormalities in psychotropic-naïve obsessive-compulsive disorder without comorbidity. Psychol Medicine 36 (9): 1321-1326

Van Der Wee N, **Ramsey NF**, Van Megen HJ, Denys DA, Westenberg HG, Kahn RS (2007) Spatial working memory in obsessive-compulsive disorder improves with clinical response; a functional MRI study. Eur Neuropsychopharmacol 17(1): 16-23

Jager G, Van Hell HH, De Win MM, Kahn RS, Brink W Van Den, Van Ree JM, and **Ramsey NF** (2007) Effects of frequent cannabis use on hippocampal activity during an associative memory task. Eur Neuropsychopharmacol, 17 (4): 289-297.

Kho KH, Duffau H, Gatignol P, Leijten FS, **Ramsey NF**, van Rijen PC, and Rutten GJ. (2007) Involuntary language switching in two bilingual patients during the Wada test and intraoperative electrocortical stimulation. Brain Lang, 101 (1): 31-37

Rutten GJ and **Ramsey NF**. (2007) Language representation. J.Neurosurg. 106 (4):726-727

Snijders TJ, **Ramsey NF**, and Gijn J van. (2007) [Functional imaging of the brain in the investigation of chronic unexplained pain]. Ned Tijdschr Geneesk 151 (8):461-465

Jansma JM, **Ramsey NF**, De Zwart JA, Van Gelderen P, Duyn JH (2007) An fMRI study of effort and information processing in a working memory task. Human Brain Mapping 28 (5): 431-440

Jager G, de Win MM, Vervaeke HK, Schilt T, Kahn RS, van den Brink W, van Ree JM, **Ramsey NF** (2007) Incidental use of ecstasy: no evidence for harmful effects on cognitive brain function in a prospective fMRI study. Psychopharmacology (Berl), 193 (3): 403-414

Raemaekers M, Vink M, Zandbelt B, Van Wezel RJ, Kahn RS, **Ramsey NF** (2007). Test-retest reliability of fMRI activation during prosaccades and antisaccades. Neuroimage. 36 (3):532-542

Kho KH, Rutten GJ, Leijten FS, Van der Schaaf A, Van Rijen PC, **Ramsey NF** (2007). Working memory deficits after resection of the dorsolateral prefrontal cortex predicted by functional magnetic resonance imaging and electrocortical stimulation mapping. Case report. J Neurosurg 106 (6 Suppl):501-505

⁷⁰De Haan EH, Nys GM, Van Zandvoort MJ, **Ramsey NF** (2007). The physiological basis of visual hallucinations after damage to the primary visual cortex. Neuroreport 18 (11): 1177-1180

Jager G, de Win MM, van der Tweel I, Schilt T, Kahn RS, van den Brink W, van Ree JM, **Ramsey NF** (2008) Assessment of Cognitive Brain Function in Ecstasy Users and Contributions of Other Drugs of Abuse: Results from an fMRI Study. Neuropsychopharmacology 33 (2): 247-258

Jager G, **Ramsey NF** (2008) Long-term consequences of adolescent cannabis exposure on the development of cognition, brain structure and function: an overview of animal and human research. Curr Drug Abuse Rev. 1(2):114-23

Hermans EJ, **Ramsey NF**, van Honk J (2008) Exogenous Testosterone Enhances Responsiveness to Social Threat in the Neural Circuitry of Social Aggression in Humans. Biol Psychiatry 63 (3): 263-270

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