Curriculum Vitae and Bibliography
Rosa Rademakers, PhD

PERSONAL INFORMATION

Work Address: 4500 San Pablo Road South
Jacksonville, FL 32224

PRESENT ACADEMIC RANK AND POSITION

Senior Associate Consultant - Neuroscience, Mayo Clinic, Jacksonville, Florida	09/02/2009 - Present
Full Faculty Privileges in Neuroscience - Mayo Graduate School, College of Medicine, Mayo Clinic	02/03/2010 - Present
Associate Professor of Neuroscience - College of Medicine, Mayo Clinic	03/01/2010 - Present

EDUCATION

University of Antwerp BA	1997
University of Antwerp MA, Biochemistry	1999
University of Antwerp Ph.D.	2004
University of Antwerp Post Doctoral Fellowship	2004 - 2007

Additional Education

Genetic Linkage Netherlands Institute for Health Science (NIHES), Erasmus Medical Center. Rotterdam, Netherlands	05/2000

HONORS/AWARDS

Ph.D. Student – Dehousse Fellowship – BOF/UIA - University of Antwerp	01/1999 - 01/2000
FWO-Aspirant - University of Antwerp	01/2000 - 01/2004
Travel Award - Alzheimer's Association	01/2002
Travel fellowship from the Fund for Scientific Research - Flanders (F.W.O.)	01/2002
Travel Fellowship Travel fellowship from the Fund for Scientific Research - Flanders (F.W.O.)	01/2004
Young Investigators APOPIS Award - Boehringer-Ingelheim Inc.	01/2005

Stipend for the participation in the 35th Annual Meeting of the Society for Neuroscience - Federation of European Neursocience Societies	01/2005
Postdoctoral fellowship from the Fund for Scientific Research - Flanders (F.W.O.)	08/2005 - 08/2007
Travel fellowship from the Fund for Scientific Research - Flanders (F.W.O.)	01/2006
One-year 'Mobility fellowship' from the Fund for Scientific Research - Flanders (F.W.O.)	01/2006
"Prijs van de Onderzoeksraad VANDENDRIESSCHE" for outstanding research as a young scientist - University of Antwerp	01/2007
Junior Faculty Award at the 9th International Conference AD/PD 2009 - AD/PD 2009, Prage, Czech Republic	03/2009
2011 Jacksonville Business Journal Health Care Hero Award – Jacksonville Business Journal, Jacksonville, Florida.	10/2011

PREVIOUS PROFESSIONAL POSITIONS AND MAJOR APPOINTMENTS

Postdoctoral Fellow - University of Antwerp	2004 - 2005
Visiting Postdoctoral Scientist - College of Medicine, Mayo Clinic, Jacksonville, Florida Department of Neurosciene	2005 - 2006
Associate Consultant II - Neuroscience, Mayo Clinic, Jacksonville, Florida	08/16/2007 - 09/01/2009
Assistant Professor of Neuroscience - College of Medicine, Mayo Clinic	11/01/2007 - 02/28/2010

PROFESSIONAL & COMMUNITY MEMBERSHIPS, SOCIETIES AND SERVICES

Professional Memberships & Services

Association for Frontotemporal Dementia Medical Advisory Committee Member	01/2008 - Present
Society for Neuroscience Member	01/2007 – Present
International Society for Frontotemporal Dementia Founding Member	12/2011 - Present

EDUCATIONAL ACTIVITIES

Teaching

The Role of Tau in Chromosome 17-linked Frontotemporal Dementia and Related Tauopathies Videoconference seminar series includes both Jacksonville and Rochester sites. Mayo Clinic Alzheimer's and Parkinson's Disease Seminar Series Jacksonville, Florida	10/29/2004
Molecular Neurology and Neuropathology Advanced Course Cold Springs Harbor Laboratories Cold Spring Harbor, New York	06/06/2007 - 06/12/2007
Frontotemporal Dementia Genetics Departments of Neurology and Neuroscience 2007 - 2008 Behavioral Neurology Course Mayo Clinic College of Medicine Jacksonville, Florida	12/2007
PGRN and TDP-43: Mutation and Regulation in Neurodegenerative diseases UCSF Memory and Aging Center Grand Rounds San Francisco, California	04/25/2008
GRN and TDP-43: Mutation and Regulation in Neurodegenerative disease Videoconference seminar series includes both Jacksonville and Rochester sites. Mayo Clinic Neuroscience Works-in-Progress Seminar Series Jacksonville, Florida	05/02/2008
Molecular Neurology and Neuropathology Advanced Course Cold Springs Harbor Laboratories Cambridge, United Kingdom	06/20/2008 - 06/27/2008
Molecular Neurology and Neuropathology Advanced Course Cold Spring Harbor Laboratories Cold Spring Harbor, New York	06/03/2009 - 06/08/2009
Genetics of the frontotemporal lobar degeneration Third International Research Workshop on Frontotemporal Dementia in ALS London, Ontario, Canada	06/24/2009
Update on the genetics of Frontotemporal dementia and Amyotrophic lateral sclerosis Neuroscience Works-in-Progress Seminar Series. Videoconference seminar series includes both Jacksonville and Rochester sites. Mayo Graduate School Jacksonville, Florida	10/09/2009
The FTD and ALS disease spectrum University of Massachusetts Medical Center, MA. Neurology Grand Rounds Worcester, Massachusetts	02/23/2010
Integrated Neuroscience Session: Proteins, Genes, Neurodegeneration, and the Clinical Presentations 62nd American Academy of Neurology Annual Meeting Toronto, Canada	04/13/2010

Frontotemporal Dementia Genetics — 04/21/2010
Departments of Neurology and Neuroscience, 2009 - 2010 Behavioral Neurology Course
Jacksonville, Florida

Progranulin regulation and its role in neurodegeneration — 04/22/2011
Neuroscience Works-in-Progress Seminar Series - Mayo Clinic
Jacksonville, Florida

Molecular Neurology and Neuropathology Advanced Course — 06/27/2011 - 07/02/2011
Cold Springs Harbor Laboratories
Cold Spring Harbor, New York

Frontotemporal Dementia Genetics — 01/25/2012
Departments of Neurology and Neuroscience
2011 - 2012 Behavioral Neurology Course
Mayo Clinic College of Medicine
Jacksonville, Florida

Novel insights into the genetics of frontotemporal dementia and amyotrophic lateral sclerosis — 02/07/2012
Distinguished investigator Seminar, University of Florida,
Gainesville, Florida

Mentorship

Pellis, Mireille (Masters Student) — 2001 - 2002
Description: Supervisor Master Thesis
Current Status: Completed PhD at the University of Brussels, Belgium
Outcomes: Thesis: "Moleculaire genetische analyse van kandidaatsgenen voor de ziekte van Alzheimer" (Translation: "Molecular genetic analyses of candidate genes for Alzheimer's disease")

Lesseliers, Sylvia (Masters Student) — 2002 - 2003
Description: Supervisor Master Thesis
Current Status: Unknown
Outcomes: "Identificatie en analyse van kandidaatgenen voor frontale kwab dementia gekoppeld aan chromosoom 17q21" (Translation: Co-supervisor Master Thesis: "Identification and analysis of candidate genes for frontotemporal dementia linked to chromosome 17q21")

Lyubetska, Tanya (Masters Student) — 2003 - 2004
Description: Supervisor Master Thesis
Current Status: Unknown
Outcomes: Thesis:"Genetische analyse van positionele en functionele kandidaatgenen voor de Ziekte van Alzheimer" (Translation: "Genetic analyses of positional and functional candidate genes for Alzheimer's disease")

Nuytemans, Karen (Masters Student) — 2004 - 2005
Description: Supervisor Master Thesis
Current Status: Currently PhD student in laboratory of Prof. C. Van Broeckhoven at University of Antwerp, Belgium
Outcomes: Thesis: "Opsporen van nieuwe genen voor dementie"(Translation: "Identification of novel dementia genes")

Carlson, Aaron (Summer Undergraduate Research Fellow) 2007
Description: Mayo Foundation Summer Undergraduate Research Fellow program
Current Status: Current student of Mayo Medical School
Outcomes: Project: "Characterization of missense mutations in Progranulin"

Rutherford, Nicola (Undergraduate Student) 2007 - 2008
Description: Mayo Clinic Biomedical Science Intern Program
Current Status: Completed undergraduate degree at University of Manchester, UK. Currently Special Project Associate in laboratory Dr. R. Rademakers at Mayo Clinic Jacksonville
Outcomes: Project: "Identification of mutations in TDP-43 in frontotemporal dementia and amyotropic lateral sclerosis"

Hamada, Masakuza (Ph.D. Student) 2007 - 2008
Description: Mayo Graduate School
Current Status: Current Mayo Graduate Student at Mayo Clinic Rochester
Outcomes: Project: "Mutation analysis of progranulin in Mayo Clinic Jacksonville dementia population"

Swanson, Katie (Summer Undergraduate Research Fellow) 2008
Description: Mayo Foundation Summer Undergraduate Research Fellow program
Current Status: Completed undergraduate degree at University of Nebraska
Outcomes: Project: "Mutations analyses of the tau gene in Mayo Clinic Jacksonville dementia population"

Surtees, Rebecca (Undergraduate Student) 2008 - 2009
Description: Mayo Clinic Biomedical Science Intern Program. Undergraduate student University of Leeds
Current Status: Completed degress at University of Leeds completing undergraduate degree
Outcomes: Project: "Identification of the gene responsible for frontotemporal dementia and amyotrophic lateral sclerosis linked to chromosome 9p"

Kouri, Naomi (Graduate Student) 2009 - Present
Description: Mayo Graduate School Rotation
Current Status: Mayo Graduate School Student
Outcomes: Project: "MicroRNA regulation of MAPT in CBD and related tauopathies"

Wojtas, Aleksandra (Summer Undergraduate Student) 2009
Current Status: Completed undergraduate degree in Biology at University of Silesia, Katowice, Poland. Currently special project assosciate in laboratory of Dr. Rademakers at Mayo Clinic Jacksonville.
Outcomes: Project: "Study of the chromosome 9p candidate region for FTD and ALS"

PRESENTATIONS

International

Variable Expression of Presenilin 1 is Not a Major Determinant of Risk for Late-onset Alzheimer's Disease 10th International Congress of Human Genetics Vienna, Austria	05/15/2001 - 05/19/2001
Chromosome 17 Linked Dementia in the Absence of Tau Mutations 51st Annual Meeting of the American Society of Human Genetics San Diego, California	10/12/2001 - 10/16/2001
Tau Negative Frontal Lobe Dementia at 17q21: Significant Finemapping of the Candidate Region to a 4.8cM Interval European Human Genetics Conference 2002 Strasbourg, France	05/25/2002 - 05/29/2002
Significant Finemapping of the Candidate Region to a 4.8cM Interval The 8th International Conference on Alzheimer's Disease and Related Disorders Stockholm, Sweden	07/20/2002 - 07/25/2002
Familial Dementia Caused by MAPT R406W Clinically Resembles Alzheimer's Disease The 8th International Conference on Alzheimer's Disease and Related Disorders Stockholm, Sweden	07/20/2002 - 07/25/2002
Mutation Analysis of Candidate Genes for Chromosome 17-linked Tau Negative FTD 4th International Conference on Frontotemporal Dementias Lund, Sweden	04/24/2003 - 04/26/2003
MAPT R406W Mutations Arose Independently in 3 Families from Western Europe. The 6th International Conference on AD/PD - Alzheimer's and Parkinson's Disease: New Perspectives Seville, Spain	05/08/2003 - 05/12/2003
Genomic Sequencing of MAPT Provides an Extended SNP Map and Identifies >30 H1 Subhaplotypes 4th International Conference on Frontotemporal Dementias Philadelphia, Pennsylvania	07/15/2004 - 07/16/2004
Genomic Sequencing of MAPT Provides an Extended SNP Map and Identifies >30 H1 Subhaplotypes The 9th International Conference on Alzheimer's Disease and Related Disorders Philadelphia, Pennsylvania	07/17/2004 - 07/22/2004
IPSEN Meeting Genotype - Proteotype - Phenotype Relationships in Neurodegenerative Diseases Paris, France	09/13/2004
Identification of a Novel Locus for Alzheimer's Disease at 7q36 Suggests a Role for Impaired DNA Damage Response in Dementia 34th Annual Meeting of the Society for Neuroscience San Diego, California	10/23/2004 - 10/27/2004

Significant Association of Specific MAPT H1 Subhaplotypes in a Belgian Epidemiological Study of Parkinson's Disease 7th International Conference AD/PD Sorrento, Italy	03/09/2005 – 03/13/2005
Genomic Architecture of Human 17q21 Uncovers Inverted Low Copy Repeats Explaining Extended Linkage Disequilibrium and Suppressed Recombination in the Tau Region Apopis Satellite Symposium Naples, Italy	03/09/2005
High Density MAPT Haplotyping Reveals an Important Role for Tau in the Pathogenesis of Parkinson's Disease 35th Annual Meeting of the American Society for Neuroscience Washington, Washington	11/13/2005
MAPT H1 Subhaplotyping in European PD Association Samples Implicates Tau Splicing in Early-Onset Parkinson's Disease Susceptibility 9th International Conference on Alzheimer's Disease and Related Disorders Madrid, Spain	07/18/2006
Mutations in Progranulin Cause Tau-Negative Frontotemporal Dementia Linked to Chromosome 17q21 5th International Conference on Frontotemporal Dementias San Francisco, California	09/06/2006
Genetic Analyses of Progranulin and TAR DNA Binding Protein in Frontotemporal Dementia and Related Neurodegenerative Diseases 8th International Conference AD/PD Salzburg, Austria	03/14/2007 - 03/18/2007
The Role of Progranulin in Dementia Alzheimer's disease: From Molecular Mechanisms to Drug Discovery meeting Punta Cana, Dominican Republic	04/20/2007
A Global Initiative to Study the Common R493X Mutation in Progranulin: Genetic and Clinicopathologic Analyses 37th Annual Meeting of the Society for Neuroscience San Diego, California	11/03/2007 - 11/07/2007
Plasma Progranulin Levels Predict Progranulin Mutation Status in Frontotemporal Dementia Patients and At-Risk Individuals 6th International Conference on Frontotemporal Dementias Rotterdam, Netherlands	09/03/2008
GRN Mutations 6th International Conference on Frontotemporal Dementias Rotterdam, Netherlands	09/03/2008
The Genetic Basis of Frontotemporal Lobar Degeneration (FTLD) 133th Annual Meeting of the American Neurological Association - Neurobiology of Disease Symposium Salt Lake City, Utah	09/21/2008
Common Variation in the miR-659 Binding-Site of Progranulin is a Major Risk Factor for TDP43-Positive Frontotemporal Dementia 38th Annual Meeting of the American Society for Neuroscience Washington, District of Columbia	11/18/2008

Common Variation in the miR-659 Binding-Site of Progranulin is a Major Risk Factor for TDP43-Positive Frontotemporal Dementia 38th Annual Meeting of the American Society for Neuroscience Washington, District of Columbia	11/18/2008
Use of a Progranulin ELISA to Identify Progranulin Mutations in Patients with Clinical Probable Alzheimer's Disease The 9th International Conference on AD/PD Prague, Czech Republic	03/12/2009
Progranulin, miRNAs and Neurodegeneration 61st Annual Meeting of the American Academy of Neurology - Hot Topics Symposium Seattle, Washington	04/28/2009
MicroRNA Dysregulation in Frontotemporal Lobar Degeneration 2009 International Conference on Alzheimer's disease(ICAD) Vienna, Austria	07/16/2009
The molecular genetics of FTD 14th International Congress of Parkinson's disease and Movement Disorders Buenos Aires, Argentina	06/16/2010
Mutation and regulation of Progranulin 7th International Conference on Frontotemporal dementias Indianapolis, Indiana	10/07/2010
Genetics of ALS – what's new and what's next? 21st International Symposium on ALS/MND - Ask The Experts Session	12/09/2010
Expanded GGGGCC hexanucleotide repeat in non-coding region of C9ORF72 causes chromosome 9p-linked FTD and ALS 6th Brain Research Conference: RNA binding proteins in neurological diseases Washington, DC	11/10/2011

National

Tau negative frontal lobe dementia at 17q21. Significant fine mapping of the candidate region to a 4.8 cM interval. 5th VIB Seminar Blankenberge, Belgium	03/08/2002 - 03/09/2002
Update on the molecular genetic analysis of ALS and FTLD 2010 Florida Researchers Workshop ALS Association, University of South Florida Tampa, Florida	02/08/2010
Common variation in a microRNA binding site of progranulin is an important risk factor for FTLD NIH Workshop on the biology of PGRN/TDP-43 Washington, District of Columbia	02/05/2008

Update on the Genetics of Progranulin Director's meeting of the Alzheimer's Disease Research Centers (ADRC) Seattle, Washington	04/25/2009

RESEARCH GRANTS AWARDED

Active Grants

Federal

Program Director / Principal Investigator	Project 2, Dr R Petersen AG16574 Grant at MCR in: ADRC Jacksonville Consortiums years 11-15. Funded by National Institute on Aging. (P50 AG 16574)	05/2009 - 04/2014
Program Director / Principal Investigator	Progranulin: Mutation and Regulation in Neurodegenerative disease. Funded by National Institute of Neurological Disorders and Stroke. (R01 NS065782)	06/2009 - 05/2013
Co-Investigator	Progranulin, TDP-43 and Cell Death (Competitive Renewal AG026251). Funded by National Institute on Aging. (R01 R01 AG026251-03A2)	04/2010 - 03/2015

Foundation

Program Director / Principal Investigator	Identification of Genes Regulating Progranulin Expression and Processing. Funded by Frontotemporal Dementia Research.	01/2010 - 12/2011
Program Director / Principal Investigator	Understanding the ALS and FTLD disease risk associated with chromosome 9p. Funded by ALS Therapy Alliance.	08/2011 - 08/2013

Mayo Clinic

Program Director / Principal Investigator	NIH Relief Grant entitled "Molecular genetic studies of progranulin regulators in FTLD and ALS". Funded by Cost Sharing – Funded by Mayo FOundation	12/2011 - 11/2013

Completed Grants

Federal

Program Director / Principal Investigator	Project 2, Dr R Petersen AG16574 Grant at MCR in: ADRC Jacksonville Consortiums years 6-10. Funded by National Institute on Aging. (P50 AG 16574)	06/2004 - 05/2009
Co-Investigator	Arizona Alzheimer's Research Consortium Year 10. Funded by Arizona Alzheimer's Research Center. (AGR200737)	07/2007 - 06/2008
Co-Investigator	Arizona Alzheimer's Research Consortium Year 10. Funded by Arizona Alzheimer's Research Center. (AGR2007-37 SCHEDULE 2A)	07/2007 - 06/2008

Co-Investigator	Progranulin, TAR DNA binding protein-43 and Cell Death (Bridge Funding). Funded by National Institute on Aging. (R56 R56 AG026251-03A1 BRIDGE FUNDING)	07/2009 - 03/2010

Foundation

Principal Investigator	Analyse van de rol van genetische variaties in het tau gen in progressieve supranucleaire palsy en parkinsonisme' (Translation: Study of the role of genetic variation in the tau gene in progressive supranuclear palsy and parkinsonism). Funded by Fund for Scientific Research - Flanders (F.W.O.).	01/2006 - 01/2007
Principal Investigator	Rademakers Neurogenetics Core Subcontract with UBC/Stoessl for Pacific Alz Res Fnd in: Overlap Syndromes Resulting in Dementia Consortium with Dr. Stoessl at the University of British Columbia. Funded by Pacific Alzheimer Research Foundation.	01/2007 - 12/2009
Program Director / Principal Investigator	MicroRNA dysregulation in frontotemporal lobar degeneration. Funded by The Association for Frontotemporal Dementias.	09/2008 - 12/2009
Program Director / Principal Investigator	Molecular genetic analyses of novel and known genes implicated in ALS and ALS-FTD. Funded by ALS Association.	06/2009 - 07/2011
Program Director / Principal Investigator	MicroRNA regulation of MAPT in CBD and related tauopathies. Funded by Society for Progressive Supranuclear Palsy, Inc.	06/2009 – 05/2011

PATENTS

Title	Patent number	Date filed	Date issued
Diagnostics based on a dementia-causing gene Inventors: C. Van Broeckhoven, M. Cruts and R. Radmakers	EP 41020660		12/05/2004
Detecting and Treating Dementia Inventors: M. Hutton, M. Baker, J. Gass, J. Eriksen, S. Kumar-Singh, M. Cruts, C. Van Broeckhoven, I.R. Maackenzie, H. Feldman, S. Pickering-Brown, R. Rademakers	US 12302691		11/26/2008
Methods and Materials for Detecting and Testing Dementia Inventors: R. Rademakers, J. Eriksen, M. Baker, R. Robinson, D. Dickson	US 12413869		03/30/2009
Detecting Frontotemporal dementia and Amyotrophic Lateral Sclerosis Inventors: R. Rademakers, M. DeJesus-Hernandez	Pending		Pending

BIBLIOGRAPHY

Peer-reviewed Articles

1. Dermaut B, Roks G, Theuns J, **Rademakers** R, Houwing-Duistermaat JJ, Serneels S, Hofman A, Breteler MM, Cruts M, Van Broeckhoven C, van Duijn CM. Variable expression of presenilin 1 is not a major determinant of risk for late-onset Alzheimer's disease. J Neurol. 2001 Nov; 248(11):935-9. PMID:11757955.

2. Cruts M, Dermaut B, **Rademakers** R, Roks G, Van den Broeck M, Munteanu G, van Duijn CM, Van Broeckhoven C. Amyloid beta secretase gene (BACE) is neither mutated in nor associated with early-onset Alzheimer's disease. Neurosci Lett. 2001 Nov 2; 313(1-2):105-7. PMID:11684351.

3. **Rademakers** R, Cruts M, Dermaut B, Sleegers K, Rosso SM, Van den Broeck M, Backhovens H, van Swieten J, van Duijn CM, Van Broeckhoven C. Tau negative frontal lobe dementia at 17q21: significant finemapping of the candidate region to a 4.8 cM interval. Mol Psychiatry. 2002; 7(10):1064-74. PMID:12476321. DOI:10.1038/sj.mp.4001198.

4. Dermaut B, Croes EA, **Rademakers** R, Van den Broeck M, Cruts M, Hofman A, van Duijn CM, Van Broeckhoven C. PRNP Val129 homozygosity increases risk for early-onset Alzheimer's disease. Ann Neurol. 2003 Mar; 53(3):409-12. PMID:12601712. DOI:10.1002/ana.10507.

5. **Rademakers** R, Cruts M, Van Broeckhoven C. Genetics of early-onset Alzheimer dementia. ScientificWorldJournal. 2003 Jun 16; 3:497-519. Epub 2003 Jun 16. PMID:12847300. DOI:10.1100/tsw.2003.39.

6. Cruts M, Dermaut B, **Rademakers** R, Van den Broeck M, Stogbauer F, Van Broeckhoven C. Novel APP mutation V715A associated with presenile Alzheimer's disease in a German family. J Neurol. 2003 Nov; 250(11):1374-5. PMID:14648157. DOI:10.1007/s00415-003-0182-5.

7. **Rademakers** R, Dermaut B, Peeters K, Cruts M, Heutink P, Goate A, Van Broeckhoven C. Tau (MAPT) mutation Arg406Trp presenting clinically with Alzheimer disease does not share a common founder in Western Europe. Hum Mutat. 2003 Nov; 22(5):409-11. PMID:14517953. DOI:10.1002/humu.10269.

8. **Rademakers** R, Van den Broeck M, Sleegers K, van Duijn C, Van Broeckhoven C, Cruts M. Absence of pathogenic mutations in presenilin homologue 2 in a conclusively 17-linked tau-negative dementia family. Neurogenetics. 2004 Feb; 5(1):79-80. Epub 2003 Oct 08. PMID:14534840. DOI:10.1007/s10048-003-0162-z.

9. **Rademakers** R, Cruts M, Van Broeckhoven C. The role of Tau in frontotemporal dementia and related tauopathies. Hum Mutat. 2004; 24:277-95.

10. Dermaut B, Kumar-Singh S, Engelborghs S, Theuns J, **Rademakers** R, Saerens J, Pickut BA, Peeters K, van den Broeck M, Vennekens K, Claes S, Cruts M, Cras P, Martin JJ, Van Broeckhoven C, De Deyn PP. A novel presenilin 1 mutation associated with Pick's disease but not beta-amyloid plaques. Ann Neurol. 2004 May; 55(5):617-26. PMID:15122701. DOI:10.1002/ana.20083.

11. Sleegers K, Roks G, Theuns J, Aulchenko YS, **Rademakers** R, Cruts M, van Gool WA, Van Broeckhoven C, Heutink P, Oostra BA, van Swieten JC, van Duijn CM. Familial clustering and genetic risk for dementia in a genetically isolated Dutch population. Brain. 2004 Jul; 127(Pt 7):1641-9. Epub 2004 May 06. PMID:15130954. DOI:10.1093/brain/awh179.

12. Weckx S, Del-Favero J, **Rademakers** R, Claes L, Cruts M, De Jonghe P, Van Broeckhoven C, De Rijk P. novoSNP, A novel computational tool for sequence variations discovery. Genome Res. 2005; 15(3):436-42.

13. Cruts M, **Rademakers** R, Gijselinck I, van der Zee J, Dermaut B, de Pooter T, de Rijk P, Del-Favero J, van Broeckhoven C. Genomic architecture of human 17q21 linked to frontotemporal dementia uncovers a highly homologous family of low-copy repeats in the tau region. Hum Mol Genet. 2005 Jul 1; 14(13):1753-62. Epub 2005 May 11. PMID:15888485.

14. **Rademakers** R, Sleegers K, Theuns J, Van den Broeck M, Bel Kacem S, Nilsson LG, Adolfsson R, van Duijn CM, Van Broeckhoven C, Cruts M. Association of cyclin-dependent kinase 5 and neuronal activators p35 and p39 complex in early-onset Alzheimer's disease. Neurobiol Aging. 2005 Aug-Sep; 26(8):1145-51. Epub 2004 Dec 22. PMID:15917097. DOI:10.1016/j.neurobiolaging.2004.10.003.

15. **Rademakers** R, Cruts M, Sleegers K, Dermaut B, Theuns J, Aulchenko Y, Weckx S, De Pooter T, Van den Broeck M, Corsmit E, De Rijk P, Del-Favero J, van Swieten J, van Duijn CM, Van Broeckhoven C. Linkage and association studies identify a novel locus for Alzheimer disease at 7q36 in a Dutch population-based sample. Am J Hum Genet. 2005 Oct; 77(4):643-52. Epub 2005 Aug 30. PMID:16175510. PMCID:1275613. DOI:10.1086/491749.

16. **Rademakers** R, Melquist S, Cruts M, Theuns J, Del-Favero J, Poorkaj P, Baker M, Sleegers K, Crook R, De Pooter T, Bel Kacem S, Adamson J, Van den Bossche D, Van den Broeck M, Gass J, Corsmit E, De Rijk P, Thomas N, Engelborghs S, Heckman M, Litvan I, Crook J, De Deyn PP, Dickson D, Schellenberg GD, Van Broeckhoven C, Hutton ML. High-density SNP haplotyping suggests altered regulation of tau gene expression in progressive supranuclear palsy. Hum Mol Genet. 2005 Nov 1; 14(21):3281-92. Epub 2005 Sep 29. PMID:16195395. DOI:10.1093/hmg/ddi361.

17. Dermaut B, Kumar-Singh S, **Rademakers** R, Theuns J, Cruts M, Van Broeckhoven C. Tau is central in the genetic Alzheimer-frontotemporal dementia spectrum. Trends Genet. 2005 Dec; 21(12):664-72. Epub 2005 Oct 10. PMID:16221505. DOI:10.1016/j.tig.2005.09.005.

18. van der Zee J, **Rademakers** R, Engelborghs S, Gijselinck I, Bogaerts V, Vandenberghe R, Santens P, Caekebeke J, De Pooter T, Peeters K, Lübke U, Van den Broeck M, Martin J-J, Cruts M, De Deyn PP, Van Broeckhoven C, Dermaut B. An Ancestral Haplotype Harbors a Highly Prevalent Mutation for 17q21-Linked Tau-negative FTLD in Belgium. Brain. 2006; 129(4):841-52.

19. Engelborghs S, Dermaut B, Marien P, Symons A, Vloeberghs E, Maertens K, Somers N, Goeman J, **Rademakers** R, Van den Broeck M, Pickut B, Cruts M, Van Broeckhoven C, De Deyn PP. Dose dependent effect of APOE epsilon4 on behavioral symptoms in frontal lobe dementia. Neurobiol Aging. 2006 Feb; 27(2):285-92. PMID:16399213. DOI:10.1016/j.neurobiolaging.2005.02.005.

20. Pirici D, Vandenberghe R, **Rademakers** R, Dermaut B, Cruts M, Vennekens K, Cuijt I, Lubke U, Ceuterick C, Martin JJ, Van Broeckhoven C, Kumar-Singh S. Characterization of ubiquitinated intraneuronal inclusions in a novel Belgian frontotemporal lobar degeneration family. J Neuropathol Exp Neurol. 2006 Mar; 65(3):289-301. PMID:16651890. DOI:10.1097/01.jnen.0000205147.39210.c7.

21. Baker M, Mackenzie IR, Pickering-Brown SM, Gass J, **Rademakers** R, Lindholm C, Snowden J, Adamson J, Sadovnick AD, Rollinson S, Cannon A, Dwosh E, Neary D, Melquist S, Richardson A, Dickson D, Berger Z, Eriksen J, Robinson T, Zehr C, Dickey CA, Crook R, McGowan E, Mann D, Boeve B, Feldman H, Hutton M. Mutations in progranulin cause tau-negative frontotemporal dementia linked to chromosome 17. Nature. 2006 Aug 24; 442(7105):916-9. Epub 2006 Jul 16. PMID:16862116. DOI:10.1038/nature05016.

22. Cruts M, Gijselinck I, van der Zee J, Engelborghs S, Wils H, Pirici D, **Rademakers** R, Vandenberghe R, Dermaut B, Martin JJ, van Duijn C, Peeters K, Sciot R, Santens P, De Pooter T, Mattheijssens M, Van den Broeck M, Cuijt I, Vennekens K, De Deyn PP, Kumar-Singh S, Van Broeckhoven C. Null mutations in progranulin cause ubiquitin-positive frontotemporal dementia linked to chromosome 17q21. Nature. 2006 Aug 24; 442(7105):920-4. Epub 2006 Jul 16. PMID:16862115. DOI:10.1038/nature05017.

23. Gass J, Cannon A, Mackenzie IR, Boeve B, Baker M, Adamson J, Crook R, Melquist S, Kuntz K, Petersen R, Josephs K, Pickering-Brown SM, Graff-Radford N, Uitti R, Dickson D, Wszolek Z, Gonzalez J, Beach TG, Bigio E, Johnson N, Weintraub S, Mesulam M, White CL 3rd, Woodruff B, Caselli R, Hsiung GY, Feldman H, Knopman D, Hutton M, **Rademakers** R. Mutations in progranulin are a major cause of ubiquitin-positive frontotemporal lobar degeneration. Hum Mol Genet. 2006 Oct 15; 15(20):2988-3001. Epub 2006 Sep 01. PMID:16950801. DOI:10.1093/hmg/ddl241.

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