Jennifer Gladys Mullé, M.H.S., Ph.D.

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Education

Ph.D., Human Genetics, Johns Hopkins University School of Medicine, Baltimore MD	2000-2005
M.H.S., Genetic Epidemiology, Johns Hopkins School of Hygiene and Public Health, Baltimore MD	1998-2000
B.A., Behavioral Biology, Johns Hopkins University, Baltimore MD	1989-1993

Appointments

Primary Appointment Rollins Assistant Professor Department of Epidemiology Rollins School of Public Health Emory University Atlanta, GA	October 2011
Secondary Appointment Department of Human Genetics School of Medicine Emory University Atlanta, GA	October 2011
Post-Doctoral Fellow Department of Human Genetics Emory University School of Medicine Atlanta, GA	2006-2011
Post-Doctoral Fellow Department of Psychiatry and Behavioral Sciences Johns Hopkins University School of Medicine Baltimore, MD	2005-2006
Intern Genetics and Public Policy Studies Johns Hopkins University Baltimore, MD	Summer 2000

Honors and Awards

Rollins Endowed Assistant Professorship	2011
Kirchstein National Research Service Award	2007
NARSAD Young Investigator Award (Gwill Newman Investigator)	2007

Professional Memberships and Activities

External peer reviewer, CDC autism research peer review panel	2015
Member, Autism Sequencing Consortium, CNV group	2014-present
Abstract Reviewer for ASHG national 2014 meeting, Psychiatric Genetics, Neurogenetics, and Neurodegeneration section	2014
Member, 22q11.2 Society	2014-present

Field Reviewer, CDC National Center on Birth Defects and Developmental Disabilities, RFA-DD-12-006, Topic 7: Genotyping Analysis for Seed Samples (RFA-NR14-SPECIAL)	2014
Sheppard Award Review Committee, Rollins School of Public Health	2014
Reviewer, HERCULES pilot project grant applications	2014
Founder, 3q29 deletion registry (3q29deletion.org)	2013
Grant Reviewer, Israeli Science Foundation	2013
Member, American Society of Human Genetics	2006-present

Educational Activities

Lecturer, Graduate Human Genetics (IBS746)	2014
Lecturer, Research Seminar Series (M2M 700)	2014
Lecturer, Hot Topics in Genomics (HGC 820)	2013-2015
Lecturer, Introduction to Clinical and Translational Research (MSCR 761)	2013-2014
Lecturer, Human Genome Epidemiology (EPI 522)	2013-2015
Lecturer, Genome, Exposome, and Health (HLTH 385)	2013-2015
Lecturer, Genetic Epidemiology (IBS 736)	2010
Small Group Leader, Healthy Humans: Genetics and Evolution Module (MD 535)	2007-2010
Lecturer, Genetic Epidemiology (IBS 736)	2008
Teaching Assistant, Principles of Genetics, Johns Hopkins School of Medicine (260.708)	2004
Teaching Assistant, Introduction to Genetic Epidemiology, Johns Hopkins School of Public Health (340.664)	1999

Current and Former Students Mentored

Alison Bernstein, PhD, Post-Doctoral Fellow	2014-present
Megan Glassford, MS, CGC candidate	2014-present
Lauren Canary, MPH	2014 (Grad.)
Nicole Letourneau, MPH	2013 (Grad.)
Amanda Payne, MPH, Epidemiology PhD candidate (Advisor)	2013-present
Kristie Mercer, GMB PhD candidate (Co-Advisor)	2013-present
Kelly Shaw, GMB PhD candidate (committee member)	2014-present
Ben Rambo-Martin, GMB PhD candidate (committee member)	2012-present

Committee Assignments and Administrative Services

Epidemiology Qualifying Exam Committee, Rollins School of Public Health	2012-present
Honor Council Committee Member, Rollins School of Public Health	2012-present
Organizer, Barton Childs Lecture	2005
Human Genetics Graduate Program Faculty-Student Liaison	2002-2005
Recruitment Committee, Human Genetics Graduate Program	2002
Bar Harbor Annual Short Course in Human Genetics	2001
Comps Review Committee Member, Johns Hopkins School of Public Health	1988-1999

Other Positions and Employment

Research Associate, Immunology, Bristol-Myers Squibb, Princeton NJ	1997-1998
Senior Research Technician, Calcium Signaling Lab, Johns Hopkins University, Department of Biomedical Engineering, Baltimore MD	1995-1997
Research Technician, Molecular Genetics Branch, National Institute on Drug Abuse, Baltimore MD	1993-1995

Editorial Work

Reviewer, JAMA Psychiatry	2014 - present
Academic Editor, PLoS One	2013 – present
Reviewer, Biological Psychiatry	2013 – present
Reviewer, Environmental Health Perspectives	2013 – present

Reviewer, BMC Bioinformatics	2012 – present
Reviewer, Archives of General Psychiatry	2012 – present
Reviewer, Schizophrenia Bulletin	2012 – present
Reviewer, Journal of the American Academy of Child and Adolescent Psychiatry	2012 – present
Reviewer, American Journal of Human Genetics	2012 – present
Reviewer, Schizophrenia Research	2011 – present
Reviewer, Journal of Medical Genetics	2011 – present
Reviewer, Journal of Psychiatric Research	2010 – present
Reviewer, American Journal of Psychiatry	2010 – present
Reviewer, PLOS one	2010 – present
Reviewer, American Journal of Medical Genetics	2010 – present

Grants

Current

Targeted resequencing and functional evaluation of mutations in schizophrenia — 2014-2018
NIH
MPI: Mulle, Warren

Epigenetic determinants of preterm birth in black women — 2014-2017
NIH
MPI: Dunlop, Smith

Biobehavioral Determinants of the Microbiome and Preterm Birth in Black Women Delivery — 2013-2018
NIH
PI: Dunlop, Corwin

International consortium on brain and behavior in 22q11.2 deletion syndrome — 2013-2017
NIH
PI: Warren

Risk stratification using genetic & microbial determinants in childhood RA — 2013 –2015
Arthritis Foundation
PI: Sampath

Characterization of the schizophrenia-associated 3q29 deletion in mouse — 2011-2016
NIGMS
PI: Caspary, Warren, Weinshenker

Completed

Schizophrenia heterogeneity and toxoplasma exposure — 2010 – 2014
NIMH
PI: Pearce, Avramopoluos

Investigating the role of genomic copy number variation in risk for schizophrenia — 2007 – 2010
NIMH (Kirschstein National Research Service Award)
PI: Mulle

Investigating the role of genomic copy number variation in risk for schizophrenia — 2007 – 2009
NARSAD (Gwill Newman Young Investigator Award)
PI: Mulle

Abstracts and Presentations

Oral Presentations

"Genes, Interrupted: Chromosome 3q29 Deletion and Schizophrenia Risk," Dean's Council Talk, Rollins School of Public Health, Emory University, Atlanta GA	September 2014
"3q29 Deletion Syndrome," Geisinger Autism & Developmental Medicine Institute, Lewisburg PA	August 2014
"No Guts, No Glory: The Gut Microbiome and ASD risk," Opening Symposium for the Wendy Klag Center for Autism and Developmental Disabilities, Johns Hopkins Bloomberg School of Public Health, Baltimore MD	October 2013
"Genomics Flow," International Consortium on Brain and Behavior in 22q11.2 Deletion Syndrome, Dublin Ireland	July 2013
"Are Autism and Schizophrenia Etiologically Linked? Evidence from Genetic Studies," Marcus Autism Center Grand Rounds, Atlanta GA	March 2013
"Adventures in Next-Generation Sequencing," Emory University Rollins School of Public Health, Grand Rounds, Atlanta GA	April 2012
"Microdeletions of 3q29 Confer High Risk for Schizophrenia," American Society of Human Genetics Annual Meeting, Washington DC	November 2010
"Adventures in Next-Generation Sequencing," Atlanta Clinical and Translational Science Institute External Advisory Committee, Atlanta GA	May 2010

Posters/Co-Authored Talks

Mulle JG, Pulver AE, McGrath JM, Wolyniec P, Dodd AF, Cutler DJ, Sebat J, Malhotra D, Nestadt G, Conrad DF, Barnes CP, Hurles M, Ikeda M, Iwata N, Levinson D, Gejman PV, Sanders AR, Duan J, Mitchell AA, Peter I, Sklar P, O'Dushlaine CT, Grozeva D, O'Donovan MC, Owen M, Hultman CM, Kähler AK, Sullivan PF, Kirov G, & Warren ST. Duplication of the Williams-Bueren syndrome locus on chromosome 7q11.23 is associated with schizophrenia. Poster, American Society of Human Genetics Annual Meeting, San Francisco CA.	October 2012
Goldlust IS, Hermetz KE, Catalano LM, Cozad RA, Barfield RT, Conneely KN, **Mulle JG**, Dharamup S, Hegde M, Kim K, Angle B, Colley A, Webb AE, Thorland EC, Ellison J, Rosenfeld J, Ballif BC, Shaffer LG, Demmer LA, Unique Rare Chromosome Support Group, Rudd MK. Mouse model implicates *GNB3* copy number in a novel childhood obesity syndrome.Platform Presentation, American Society of Human Genetics Annual Meeting, San Francisco CA.	October 2012
Ramachandran D, **Mulle JG,** Locke AE, Bose P, Bean LJ, Le S, Rosser T, Dooley K, Cutler DJ, Feingold E, Cheong SY, Ca CL, Maslen CL, Reeves RH, Sherman SL, Zwick ME. Genome-wide analysis of copy number variants in Down syndrome associated heart defects. Poster, American Society of Human Genetics Annual Meeting, San Francisco CA.	October 2012
Satten GA, Ramachandran D, **Mulle JG**, Allen AS, Bean LJ, Maslen C, Sherman SL, Reeves RH, Zwick ME. Testing Copy Number Variant/Trait	October 2012

Associations Detected Using Manhattan Plots. Poster, International Genetic Epidemiology Society Meeting, Stevenson WA.

Kaminsky EB, **Mulle JG**, Kaul V, Saul D, Pickering DL, Golden DM, Aston E, Gliem TJ, Ackley T, Huang S, Paschall J, Church DM, Barber JC, Crolla JA, Iyer R, Thorland EC, Shetty S, South S, Brothman AR, Sanger W, Aradhya A, Warren ST, Rossi MK, Rudd MK, Ledbetter DH, Martin CL. Toward Evidence-Based Criteria for Clinical Interpretation of CNVs. Platform presentation, American Society of Human Genetics Annual Meeting, Washington DC — November 2010

Moreno De Luca D, **Mulle JG**, Kaminsky EB, Sanders SJ, Myers SM, Adam MP, Pakula AT, Eisenhauer NJ, Uhas K, Weik L, Guy L, Care ME, Morel CF, Boni C, Salbert B, Chandrareddy A, Demmer LA, Chow EWC, Surti U, Aradhya S, Sanger WG, Brothman AR, Thorland EC, Iyer R, Barber JC, Crolla JA, Warren ST, Martin CL, Ledbetter DH. Deletion 17q12 is a recurrent copy number variant that confers high risk of autism and schizophrenia. Platform presentation, American Society of Human Genetics Annual Meeting, Washington DC — November 2010

Bray SM, **Mulle JG**, Dodd AF, Pulver AE, Wooding S, Warren ST. Signatures of founder effects, admixture, and selection in the Ashkenazi Jewish population. Poster, American Society of Human Genetics Annual Meeting, Washington DC — November 2010

Prahalad S, **Mulle JG**, Dodd AF, Prozonic J, Brown M, Zeft A, Bohnsack J, Warren S, Rudd K, Martin C. Detection of potentially disease-associated copy number variants in children with rheumatoid arthritis. Poster, American College of Rheumatology Annual Meeting, Atlanta GA — November 2010

Bray S, **Mulle JG**, Dodd A, Pulver A, Warren S. Genome-wide SNP analysis of Ashkenazi Jews reveals unique population substructure. Poster, American Society of Human Genetics Annual Meeting, Honolulu, HI — October 2009

Sobreira N, Feng N, Thomas G, **Mulle JG**, MacGrath J, Warren S, Avramopoulos D, Pulver A, Valle D. Delineation of an overlapping 10q deletion involving PCDH15 with neuropsychiatric disease. Poster, American Society of Human Genetics Annual Meeting, Honolulu, HI — October 2009

Satten GA Allen AS, Ikeda M, **Mulle JG**, Warren S. Calling and Scoring Copy Number Variants. Poster, American Society of Human Genetics Annual Meeting, Honolulu, HI — October 2009

Satten GA, Allen AS, **Mulle JG**, Ikeda M, Warren ST. Robust Regression for Detecting Copy Number Variants. Presentation, Joint Statistical Meetings, Washington DC — August 2009

Arlt, MF, **Mulle JG**, Schaibley VW, Warren ST, Glover TW. Replication Stress induces submicroscopic copy number changes in normal human cells. Platform Presentation, American Society of Human Genetics Annual Meeting, Philadelphia PA — November 2008

Mulle JG, Pulver AE, Warren ST. High-density genome-wide array CGH in a genetically homogeneous population. Poster, American Society of Human Genetics Annual Meeting, San Diego CA	October 2007
Mulle JG, Pulver AE, Warren ST. Use of high-density genome-wide array CGH to detect CNV in phenotypically normal individuals from a genetic isolate. Poster, Human Genetics and Genomics Gordon Research Conference, Newport RI	July 2007
Mulle JG, Nimgaonkar V, Pulver AE, Chowdari K, Cutler DJ, Chakravarti A. A large-scale SNP association study of schizophrenia and chromosome 13q32. Poster, The Biology of Genomes, Cold Spring Harbor NY	May 2005
Bernhardt BA, Geller G, Tambor E, Mountcastle-Shah E, **Mulle JG**, Holtzman NA. Analysis of media reports on the discovery of breast and prostate cancer susceptibility genes. Poster, American Society of Human Genetics Annual Meeting, Philadelphia PA	October 2000
Pulver AE, Antonarakis SE, Blouin JL, Housman D, Kazazian H, Lasseter VK, **Mulle JG**, Nestadt G, Wolyniec P. Schizophrenia: The identification of subgroups. Poster, American Society of Human Genetics Annual Meeting, San Francisco CA	October 1999

Publications

1. Ramachandran D, **Mulle JG,** Locke AE, Bean LJ, Rosser TC, Bose P, Dooley KJ, Cua CL, Capone GT, Reeves RH, Maslen CL, Cutler DJ, Sherman SL, Zwick ME. Contribution of copy-number variation to Down syndrome-associated atrioventricular septal defects. Genet Med. 2014 Oct 23: [Epub ahead of print]	October 2014
2. Okou DT, Mondal K, Faubion WA, Kobrynski LJ, Denson LA, **Mulle JG**, Ramachandran D, Xiong Y, Svingen P, Patel V, Bose P, Waters JP, Prahalad S, Cutler DJ, Zwick ME, Kugathasan S. Exome Sequcning identified a novel FOXP3 mutation in a 2-generation family with inflammatory bowel disease. J Pediatr Gastroenterol Nutr. 2014 May;58(5):561-8	May 2014
3. Jenkins MM, Reefhuis J, Gallagher ML, **Mulle JG**, Hoffmann TJ, Koontz DA, Sturchio S, Rasmussen SA, Witte JS, Richter P, Honein MA; the National Birth Defects Prevention Study. Maternal smoking, xenobiotic metabolizing enzyme gene variants, and gastroschisis risk. Am J Med Genet A. 2014 Mar 25.	March 2014
4. Satten GA, Allen AS, Ikeda M, **Mulle JG**, Warren ST. Robust regression analysis of copy number variation data based on a univariate score. PLoS One. 2014 Feb 7;9(2).	February 2014
5. Goldlust IS, Hermetz KE, Catalano LM, Barfield RT, Cozad R, Wynn G, Ozdemir AC, Conneely KN, **Mulle JG**, Dharamrup S, Hegde MR, Kim KH, Angle B, Colley A, Webb AE, Thorland EC, Ellison JW, Rosenfeld JA, Ballif BC, Shaffer LG, Demmer LA; Unique Rare Chromosome Disorder Support Group, Rudd MK. Mouse model implicates GNB3 duplication in a childhood obesity syndrome. Proc Natl Acad Sci U S A. 2013 Sep 10; 110(37):14990-4.	August 2013
6. **Mulle JG**, Pulver AE, McGrath JM, Wolyniec P, Dodd AF, Cutler DJ, Sebat J, Malhotra D, Nestadt G, Conrad DF, Hurles M, Barnes CP, Ikeda M, Iwata N, Levinson D, Gejman PV, Sanders A, Duan J, Mitchell AA, Peter I, Sklar P, O'Dushlaine CT, Grozeva D, O'Donovan MC, Owen MJ, Hultman CM, Kähler AK, Sullivan PF, The Molecular Genetics of Schizophrenia Consortium, Kirov G, Warren ST. Reciprocal duplication of the Williams-Beuren syndrome	July 2013

deletion on chromosome 7q11.23 is associated with schizophrenia. Biological Psychiatry. 2014 Mar 1;75(5):371-7.

7. **Mulle JG,** Vaccarino V. Cardiovascular disease, psychosocial factors, and genetics: the case of depression. Prog Cardiovasc Dis. 2013 May-Jun;55(6):557-62. — May 2013
8. **Mulle JG**, Sharp WG, Cubells JF. The gut microbiome: a new frontier in autism research. Curr Psychiatry Rep. 2013 Feb;15(2):337. — February 2013
9. Moreno-De-Luca D, Sanders SJ, Willsey AJ, **Mulle JG**, Lowe JK, Geschwind DH, State MW. Martin CL, Ledbetter DH. Using large clinical data sets to infer pathogenicity for rare copy number variants in autism cohorts. Mol Psychiatry. 2012 Oct 9. [Epub ahead of print] — October 2012
10. **Mulle JG**. Schizophrenia genetics: progress, at last. Curr Opin Genet Dev 2012 Jun;22(3):238-44. — June 2012
11. Kenny EE, Pe'er I, Karban A, Ozelius L, Mitchell AA, Ng SM, Erazo M, Ostrer H, Abraham C, Abreu MT, Atzmon G, Barzilai N, Brant SR, Bressman S, Burns ER, Chowers Y, Clark LN, Darvasi A, Doheny D, Duerr RH, Eliakim R, Giladi N, Gregersen PK, Hakonarson H, Jones MR, Marder K, McGovern DP, **Mulle J**, Orr-Urtreger A, Proctor DD, Pulver A, Rotter JI, Silverberg MS, Ullman T, Warren ST, Waterman M, Zhang W, Bergman A, Mayer L, Katz S, Desnick RJ, Cho JH, Peter I. A genome-wdie scan of Ashkenazi Jewish Crohn's disease suggests novel susceptibility loci. PLoS Genet. 2012 Mar;8(3). — March 2012
12. **Mulle JG**, Warren St. Genomic tics Tourette syndrome. Biol Psychiatry. 2012 Mar 1;7(5)390-1. — March 2012
13. Kaminsky EB, Kaul V, Paschall J, Church DM, Bunke B, Kunig D, Moreno-De-Luca D, Moreno-De-Luca A, **Mulle JG**, Warren ST, Richard G, Compton JG, Fuller AE, Gliem TJ, Huang S, Collinson MN, Beal SJ, Ackley T, Pickering DL, Golden DM, Aston E, Whitby H, Shetty S, Rossi MR, Rudd MK, South ST, Brothman AR, Sanger WG, Iyer RK, Crolla JA, Thorland EC, Aradhya S, Ledbetter DH, Martin CL. An evidence-based approach to establish the functional and clinical significance of copy number variants in intellectual and developmental disabilities. Genet Med 2011 Sep;13(9):777-84. — September 2011
14. Luo Y, Hermetz KE, Jackson JM, **Mulle JG**, Dodd AF, Tsuchiya KD, Ballif BC, Shaffer LG, Cody JD, Martin CL, Ledbetter DH, Rudd MK. Diverse rearrangement mechanisms cause subtelomeric copy number variation. Hum Mol Genet. 2011 Oct 1;20(19):3769-78. — October 2011
15. Moreno-De-Luca D, Steffansson H, **Mulle JG**, SGENE Consortium, Sanders SJ, Simons Simplex Collection Genetics Consortium, GeneSTAR, Kaminsky EB, Myers SM, Adam MP, Pakula AT, Eisenhauer NJ, Uhas K, Weik L, Guy L, Care ME, Morel CF, Boni C, Salbert BA, Chandrareddy A, Demmer LA, Chow EWC, Surti U, Adrahya S, Pickering DL, Golden DM, Sanger WG, Ashton E, Brothman AR, Gliem TJ, Thorland EC, Ackley T, Iyer R, Huang A, Barber JC, Crolla JA, Warren ST, Martin CL, Ledbetter DH. Deletion 17q12 is a recurrent copy number variant that confers high risk of autism and schizophrenia. Am J Hum Genet. 2010 Nov; 87(2):618-30. — November 2010
16. Bray SM, **Mulle JG**, Dodd AF, Pulver AE, Wooding S, Warren ST. Signatures of founder effects, admixture, and selection in the Ashkenazi Jewish population. Proc Natl Acad Sci USA. 2010 Sep;107(37):16222-7. — September 2010
17. **Mulle JG,** Dodd AF, McGrath JA, Wolyniec PS, Mitchell AA, Shetty AC, Sobreira NL, Valle D, Rudd MK, Satten GA, Cutler DJ, Pulver AE, Warren ST. Microdeletions of 3q29 confer high risk for schizophrenia. Am J Hum Genet. 2010 Aug; 87(2):229-36. — August 2010
18. **Mulle JG**, Patel VC, Warren ST, Hegde MR, Cutler DJ, Zwick ME. Empirical evaluation of oligonucleutide selection for DNA microarrays. PLoS One. 2010 Mar 29;5(3):e9921. — March 2010

19. Rudd MK, Keene J, Bunke B, Kaminsky EB, Adam MP, **Mulle JG**, Ledbetter DH, Martin CL. Segmental Duplications Mediate Novel, Clinically Relevant Chromosome Rearrangements. Hum Mol Genet. 2009 Aug 15;18(16):2957-62. May 2009
20. Arlt MF, **Mulle JG**, Schaibley VM, Ragland RL, Durkin SG, Warren ST, Glover TW. Replication stress induces genome-wide copy number changes in human cells that resemble polymorphic and pathogenic variants. Am J Hum Genet. 2009 Mar;84(3):339-50. Epub 2009 Feb 19. February 2009
21. Hegde MR, Chin EL, **Mulle JG**, Okou DT, Warren ST, Zwick ME. Microarray-based mutation detection in the dystrophin gene. Hum Mutat. 2008 Sep;29(9):1091-9. September 2008
22. **Mulle JG**. Genomic structural variation and schizophrenia. Curr Psychiatry Rep. 2008 Apr;10(2):171-7. April 2008
23. Durkin SG, Ragland RL, Arlt MF, **Mulle JG**, Warren ST, Glover TW. Replication Stress induces tumor-like microdeletions in FHIT/FRA3B. Proc Natl Acad Sci USA. 2008 Jan 8;105(1):246-51. January 2008
24. Penagarikano O, **Mulle JG**, Warren ST. The pathophysiology of fragile X syndrome. Annu Rev Hum Genet. 2007 ;8:109-29. September 2007
25. **Mulle JG,** Fallin D, Lasseter VK, McGrath J, Wolyniec PS, Pulver AE. Dense SNP association study for Bipolar I disorder on Chromosome 18p11 suggests two loci with excess paternal transmission. Mol Psychiatry. 2007 Apr;12(4):367-75. April 2007
26. **Mulle JG**, McDonough JA, Chowdari KV, Nimgaonkar V, Chakravarti A. Evidence for linkage to chromosome 13q32 in an independent sample of schizophrenia families. Mol Psychiatry. 2005 May;10(5):429-31. May 2005
27. **Mulle JG**, Chowdari KV, Nimgaonkar V, Chakravarti A. No evidence for association to the G72/G30 locus in an independent sample of schizophrenia families. Mol Psychiatry. 2005 May;10(5):431-3. May 2005
28. Pulver AE, **Mulle JG**, Nestadt G, Swartz KL, Blouin JL, Dombroski B, Liang KY, Housman DE, Kazazian HH, Antonarakis SE, Lasseter VK, Wolyniec PS, Thornquist MH, McGrath JA. Genetic heterogeneity in schizophrenia: stratification of genome scan data using co-segregating relater phenotypes. Mol Psychiatry. 2000 Nov;5(6):650-3. November 2000
29. Peterson BZ, Lee JS, **Mulle JG**, Wang Y, de Leon M, Yue DT Critical determinants of Ca(2+)-dependent inactivation within an EF-hand motif of L-type Ca(2+) channels. Biophys J. 2000 Apr;78(4):1906-20. April 2000
30. Cai D, **Mulle JG**, Yue DT. Inhibition of recombinant Ca2+ channels by benzothiazepines and phenylalkylamines: class-specific pharmacology and underlying molecular determinants. Mol Pharmacology. 1997 May;51(5):872-81. May 1997
31. Brody DL, Patil PG, **Mulle JG**, Snutch TP, Yue DT. Bursts of action potential waveforms relieve G-protein inhibition of recombinant P/Q-type Ca2+ channels in HEK 293 cells. J Physiolo. 1997 Mar 15;499(Pt. 3) 637-44. March 1997