Curriculum Vitae

Gitta Lubke

**Mailing Address**

University of Notre Dame

Department of Psychology

390 Corbett Family Hall

Notre Dame IN 46556

[glubke@nd.edu](mailto:glubke@nd.edu)

**Higher Education**

1997-2002 PhD, Psychometrics, VU University Amsterdam, The Netherlands

1993-1997 Undergraduate Education & MA (cum laude), University of Amsterdam, The Netherlands

**Positions**

2016-present Professor of Psychology, Department of Psychology, University of Notre Dame

2008-2016 Associate Professor, Department of Psychology, University of Notre Dame

2010-2016 Visiting Professor, Biological Psychology, VU University Amsterdam

2004-2008 John Cardinal O'Hara, C.S.C. Assistant Professor, Department of Psychology, University of Notre Dame

2003-2004 Assistant Professor, Department of Psychiatry, VIPBG, Virginia Commonwealth University

2001-2003 Research Associate, Graduate School of Education & Information Studies, UCLA, Supervisor: Bengt Muthén

**Honors and Awards**

2009 Tanaka Award, most outstanding paper published in Multivariate Behavioral Research in 2008

2007 Cattell Award, Outstanding Early Career Contributions to Multivariate Psychology, Society of Multivariate Experimental Psychology

**Publications**

Hong M., Jacobucci R., Lubke G. (submitted). Deductive Data Mining.

Luningham J., McArtor D., Hendriks A., van Beijsterveld T., Lichtenstein P., Lundström S., Larsson H., Bartels M., Boomsma D., Lubke G. (submitted). Data integration methods for phenotype harmonization in multi-cohort genome-wide association studies with behavioral outcomes.

Mårland C., Lubke G.H., Degl’ Innocenti A., Råstam M., Gillberg C., Nilsson T., Lundström S. (submitted). A development of a brief screener for autism using item-response theory

Campbell I., Lundstrom S., Larsson H., Lichtenstein P., Lubke G.H. (2018). The relation between the age at diagnosis of problem behaviors related to aggression and distal outcomes in Swedish children. *European Child and Adolescent Psychiatry,* https://doi.org/10.1007/s00787-018-1250-9*.*

Bartels M., Hendriks AM, Mauri M, Krapohl E, Whipp A, Bolhuis K, Colodro Conde L, Luningham JM, Ip H, Hagenbeek F; Roetman PJ, Gatej R, Lamers A, Nivard MG, Dongen JJ, Lu Y, Middeldorp C, van Beijsterveldt T, Vermeiren R, Hankemeier T, Kluft C, Medland S, Lundstrom S, Rose R, Pulkkinen L, Vuoksimaa E, Korhonen T, Martin NM, Lubke GH, Finkenauer C, Fanos V, Tiemeier H, Lichtenstein P, Plomin R, Kaprio J, DI. (2018*).* Childhood Aggression and the co-occurrence of behavioural and emotional problems:  Results across ages 3-16 years from multiple raters in 6 cohorts in the EU-ACTION project. *European Child and Adolescent Psychiatry, 27(9), 1105-1121.*

Luningham JM, Bartels M, Boomsma DI, Lubke GH (2018) Genetic and environmental contributions to overt aggression harmonized across multiple studies, nations, and raters in the ACTION consortium. *Behavior Genetics 48(6), 491-492.*

Lubke, G. H., McArtor, D. B., Boomsma, D. I., Bartels, M. (2018). Genetic and environmental contributions to the development of childhood aggression. *Developmental Psychology, 54(1), 39-50.*

Lubke G. H., Luningham J. M. (2017) Fitting Latent Variable Mixture Models. *Behaviour Research and Therapy,* 98:91-102. NIHMSID 921045.

Bolhuis K, Lubke G. H., van der Ende, J., Bartels, M., van Beijsterveldt, C. E. M., Lichtenstein, P., Larsson, H., Jaddoe, V. W., Kushner, S. A., Verhulst, F. C., Boomsma, D. I., Tiemeier, H. (2017). Disentangling heterogeneity of childhood disruptive behavior problems into dimensions and subgroups. *Journal of the American Academy of Child & Adolescent Psychiatry,* 56(8), 678-686. PMID 28735697.

McArtor, D. B., Lin, B. D., Hottenga, J. J., Boomsma D. I., Willemsen G., & Lubke G. H. (2017). The interactive effects of age, sex, and lifestyle on the hematological profile. *Biomarkers in Medicine,* 11(6), 427-438.

Luningham JM, McArtor DB, Bartels M, Boomsma DI, Lubke GH. (2017) Sum Scores in Twin Growth Curve Models: Practicality Versus Bias. Behavior Genetics. *Behavior Genetics*, 47(5), 516-536. PMC5719894.

Warrier, V., Grasby, K. L., Uzefovsky, F., Toro, R., Smith, P., Chakrabarti, B., Khadake J.,Mawbey-Adamson E., Litterman N., Hottenga J-J, Lubke G. H., Boomsma D. I., Martin, N. J., P K Hatemi P. K., Medland S. E., Hinds D. A., Bourgeron T., Baron-Cohen S. (2017). Genome-wide meta-analysis of cognitive empathy: heritability, and correlates with sex, neuropsychiatric conditions and cognition. *Molecular Psychiatry*. doi: 10.1038/mp.2017.122 PMC5656177

Justice, A. E., Winkler, T. W., Feitosa, M. F., Graff, M., Fisher, V. A., Young, K., ... & Ngwa, J. S.

(2017). Genome-wide meta-analysis of 241,258 Adults Accounting for Smoking Behavior Identifies Novel Loci for Obesity Traits. *Nature Communications*, 8: 14977. PMC5414044

De Kort JM, Dolan CV, Lubke GH, Molenaar D (2017). Studying the strength of prediction using indirect mixture modeling: Nonlinear latent regression with heteroskedastic residuals. *Structural Equation Modeling*. 24 (2) 301-313.

Lubke GH, Campbell I, McArtor DB, Miller PJ, Luningham J, van den Berg SM (2017). Assessing Model Selection Uncertainty Using a Bootstrap Approach: An update. *Structural Equation Modelling*. *24*(2), 230-245. PMC5482523

Miller PJ, Lubke GH, McArtor DB, Bergeman CS (2016). Finding structure in data using multivariate tree boosting. *Psychological Methods 21* (4), 583-602. PMC5142230

McArtor DB, Lubke GH, Bergeman CS (2017). Extending multivariate distance matrix regression with an effect size measure and the distribution of the test statistic. *Psychometrika, 1052-1077.* DOI: [10.1007/s11336-016-9527-8](https://doi.org/10.1007/s11336-016-9527-8). PMC5624863

Nivard MG, Lubke GH, Dolan CV, Evans DM, St Pourcain B, Munafò MR, Middeldorp CM. (2016) Joint developmental trajectories of internalizing and externalizing disorders between childhood and adolescence. *Development and Psychopathology* epub ahead of print. DOI:[10.1017/S0954579416000572](https://doi.org/10.1017/S0954579416000572)

Jacqueline Vink, Sven Stringer, Camelia Minica, Karin Verweij, Hamdi Mbarek, Manon Bernard, Jaime Derringer, Kristel van Eijk, Joshua Isen, Anu Loukola, Dominique Maciejewski, Evelin Mihailov, Peter van der Most, Cristina Sánchez-Mora, Leonie Roos, Richard Sherva, Raymond Walters, Jennifer Ware, Abdel Abdellaoui, Tim Bigdeli, Susan Branje, Sandra Brown, Marcel Bruinenberg, Miguel Casas, Tõnu Esko, Iris García-Martínez, Scott Gordon, Catharina Hartman, Anjali Henders, Andrew Heath, Ian Hickie, Matthew Hickman, Christian Hopfer, Jouke-Jan Hottenga, Anja Huizink, Daniel Irons, Réne S Kahn, Tellervo Korhonen, Henry Kranzler, Ken Krauter, Pol van Lier, Gitta Lubke, Pamela Madden, Reedik Mägi, Matt McGue, Sarah Medland, Wim Meeus, Michael Miller, Grant Montgomery, Michel Nivard, Ilja Nolte, Albertine Oldehinkel, Zdenka Pausova, Beenish Qaiser, Lydia Quaye, Josep Antoni Ramos-Quiroga, Vanesa Richarte, Richard Rose, Jean Shin, Michael Stallings, Alex Stiby, Tamara Wall, Margaret Wright, Hans Koot, Tomas Paus, John Hewitt, Marta Ribasés, Jaakko Kaprio, Marco Boks, Harold Snieder, T Spector, Marcus Munafo, Andres Metspalu, Joel Gelernter, Dorret Boomsma, William Iacono, Nicholas Martin, Nathan Gillespie, and Eske Derks*.* (2016). Genome wide association study of lifetime cannabis use based on a large meta-analytic sample of 32,330 subjects from the International Cannabis Consortium. *Translational Psychiatry,* Mar; 6(3): e769*.* PMC4872459

Laurin C, Walters R, Boomsma DI, Lubke GH (2016). The use of vector bootstrapping to improve variable selection precision in Lasso models. *Statistical Applications in Genetics and Molecular Biology,* 15(4), 305–320*.* PMC5131926.

Nivard MG, Middeldorp CM, Lubke GH, Hottenga JJ, AbdellaouiA, BoomsmaDI, Dolan CV (2016). Detection of gene–environment interaction in pedigree data using genome-wide genotypes. *European Journal of Human Genetics,* 24, 1803-1809*.* PMC5117937.

Lubke GH, Campbell I (2016). Inference Based on the Best-Fitting Model can contribute to the Replication Crisis: Assessing Model Selection Uncertainty Using a Bootstrap Approach. *Structural Equation Modelling*, 23(4), 479-490. PMC5487004

Lubke GH, Ouwens KG, de Moor MHM, Trull, TJ, Boomsma DI (2015). Population heterogeneity of trait anger and differential associations of trait anger facets with borderline personality features, neuroticism, depression, Attention Deficit Hyperactivity Disorder (ADHD), and alcohol problems. *Psychiatry Research*, online 10/3/2015. PMC4655156

Lubke GH, Miller PJ, Verhulst B, Bartels M, van Beijsterveldt T, Willemsen G, Boomsma DI, Middeldorp CM (2015). A powerful phenotype for gene-finding studies derived from trajectory analyses of symptoms of anxiety and depression between age 7 and 18. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics.* Article first published online: 3 SEP 2015. PMC4852155

Laurin C, Hottema JJ, Willemsen G, Boomsma DI, Lubke GH. (2015). Genetic analyses benefit from using less heterogeneous phenotypes: An illustration with the Hospital Anxiety and Depression Scale (HADS). *Genetic Epidemiology, 39(4), 317-324*. PMC4406831

De Zeeuw EL, van Beijsterveldt CEM, Lubke GH, Glasner TJ, de Geus EJC, Boomsma DI (2015) Childhood ODD and ADHD behavior: Effects of classroom sharing, gender, teacher gender, and their interactions. *Behavior Genetics, 45(4), 394-408*. PMC4458263

Lubke GH, Miller P (2015) Does nature have joints worth carving? A discussion of taxometrics, model-based clustering, and latent variable mixture modeling. *Psychological Medicine, 45(4), 705-715, Epub 2014 Aug 19.* PMC4692716

Van Beek JHDA, Lubke GH, de Moor MHM, Willemsen G, de Geus JC, Hottenga JJ, LivGen consortium, Walters RK, Smit JH, Penninx BWJH, Boomsma DI (2014). Heritability of liver enzyme levels estimated from genome-wide SNP data. *European Journal of Human Genetics* , (26 November 2014) | doi:10.1038/ejhg.2014.259 PMC4538200

Benke KS, Nivard MG, Velders FP, Walters RK, Scheet PA, Xiao X, Ehli EA, Palmer LJ, Whitehouse AJO, Groen-Blokhuis MM, van Beijsterveldt CEM, EAGLE, Hudziak JJ, Lubke GH, Boomsma DI, Pennel CE, Tiemeier H, Middeldorp CM (2014) A genome-wide association meta-analysis of Preschool Internalizing Problems. *Journal of the American Academy of Child & Adolescent Psychiatry,* 53:667-676.

Walters R, Laurin C, Lubke GH (2014). Epi2Loc: An R Package to Investigate Two-Locus Epistatic Models. *Twin Research and Human Genetics,* 17:272-278.

Lubke GH, McArtor D (2014). Multivariate Genetic Analyses in Heterogeneous Populations. *Behavior Genetics,* 44:232-239 PMC4024325

Van Beek JHDA, De Moor MHM, Geels LM,Sinke MRT, de Geus EJC, Lubke GH, Kluft C, Neuteboom J, Vink JM, Willemsen G, Boomsma DI (2014) The association of alcohol intake with gamma-glutamyl transferase (GGT) levels: evidence for shared genetic effects. *Alcohol and Drug Dependence*, 134:99-105*.* First published online: 20113 PMC3909645

Treur JL, Boomsma DI, Lubke GH, Bartels M, Vink JM (2014). The predictive value of smoking expectancy and the heritability of its accuracy. *Nicotine and Tobacco Research*. 16(3): 359-368. First published online: Oct 29 2013. PMCID: PMC3983427.

Lubke GH, Laurin C, Walters R, Eriksson N, Hysi P, et al. (2013) Gradient Boosting as a SNP Filter: an Evaluation Using Simulated and Hair Morphology Data. J Data Mining Genomics Proteomics 4: 143. doi:10.4172/2153-0602.1000143

Lubke GH, Laurin C, Amin N, Hottenga JJ, Willemsen G, van Grootheest G, Abdellaoui A, Karssen LC, Oostra BA, van Duijn CM, Penninx BWJH, Boomsma DI (2013). Genome-wide analyses of borderline personality features. *Molecular Psychiatry* (27 August 2013) | doi:10.1038/mp.2013.109 PMCID: PMC3872258

Van Beek JHDA, De Moor MHM, de Geus EJC, Lubke GH, Vink JM, Willemsen G, Boomsma DI (2013). The genetic architecture of liver enzyme levels: GGT, ALT and AST. Behav. Genet., 43, 329-339. PMCID: PMC3918238

Lubke GH (2012). Old issues in a new jacket: Power and validation in the context of mixture modeling. *Measurement* 10: 212-216. PMCID: PMC3788670

Walters R, Laurin C, Lubke GH (2012). An Integrated Approach to Reduce the Impact of Minor Allele Frequency and Linkage Disequilibrium on Variable Importance Measures for Genome-Wide Data *Bioinformatics* 28 (20): 2615-2623 PMCID: 3467741

LubkeGH, HottengaJJ, WaltersR, Laurin, C, de GeusEJC, WillemsenG, SmitHJ, MiddeldorpC, Penninx BWJH, VinkJM, Boomsma DI (2012). Estimating the genetic variance of Major Depressive Disorder (MDD) due to all SNPs. *Biological Psychiatry,* 72(8):707-9 PMCID: [PMC3404250](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3404250/?tool=nihms)

Lubke GH, Stephens SH, Lessem JM, Hewitt JK, Ehringer MA (2012) The CHRNA5/A3/B4 gene cluster and tobacco, alcohol, cannabis, inhalants, and other substance use initiation: Replication and new findings using mixture analyses. *Behavior Genetics.* 636-46 PMCID: PMC3743232

Gillespie NA, Lubke GH, Gardner CO, Neale MC, Kendler KS (2012). Two-part random effects growth modeling to identify risks associated with alcohol and cannabis initiation, initial average use and changes in drug consumption in a sample of adult, male twins. *Journal of Drug and Alcohol Dependence* 123(1-3):220-8. PMCID: 3442360

Robbers SC, van Oort FV, Polderman TJ, Bartels M, Boomsma DI, Verhulst FC, Lubke GH, Huizink AC (2011). Trajectories of CBCL Attention Problems in Childhood. *European Child & Adolescent Psychiatry*, 20(8): 419-27. PMCID: 3141842

Lu ZL, Zhang Z, Lubke GH (2011). Bayesian Inference For Growth Mixture Models With Latent-Class-Dependent Missing Data. *Multivariate Behavioral Research,* 46:567-597.

Distel MA, Carlier A, Middeldorp CM, Derom CA, Lubke GH, Boomsma DI. (2011). Borderline personality traits and adult attention-deficit hyperactivity disorder symptoms: A genetic analysis of comorbidity. *Am J Med Genet Part B* 156:817–825. PMID: 21812103

Tueller S, Drotar S, Lubke GH (2011). Addressing the problem of switched class labels in latent variable mixture model simulation studies. *Structural Equation Modeling* 18:110-131.

Lubke, GH, Tueller, S. (2010). Latent class detection and class assignment: A comparison of taxometric and factor mixture modeling approaches. *Structural Equation Modeling* 17:605-628. PMC3955757

Tueller S, Lubke GH (2010). Evaluation of structural equation mixture models: Parameter estimates and correct class assignment. *Structural Equation Modeling,* 17:165-192. PMC2890304

Lubke GH (2010). Latent variable mixture modeling. In GR Hancock & RO Mueller (Eds.), The Reviewer's Guide to Quantitative Methods in the Social Sciences. New York, NY: Routledge. 283-297

Lubke G.H., Hudziak J.J., Derks E.M., van Bijsterveldt T.C.E.M., Boomsma D.I. (2009). Maternal ratings of attention problems and the relation to DSM-IV ADHD: Evidence for the existence of a continuum. *Journal of the American Academy of Child & Adolescent Psychiatry.*48:1085-1093. [PMC2782551](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2782551/?tool=nihms)

Lubke, G.H., & Neale, M.C. (2008). Distinguishing between latent classes and continuous factors with categorical outcomes: Class invariance of parameters of factor mixture models. *Multivariate Behavioral Research,* 43:592-620. [PMC2629597](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2629597/?tool=nihms)

Lubke, G.H. & Spies, J. (2008). Choosing a ‘correct’ factor mixture model: Power, limitations, and graphical data exploration. In G. R. Hancock & K. M. Samuelsen (Eds.), Advances in latent variable mixture models. Charlotte, NC: Information Age Publishing, 343-362.

Lubke, G.H., Muthén, B.O, Moilanen, I.K, McGough, J.J., Loo, S.K., Swanson, J. M., Yang, M. H., Taanila, A., Hurtig, T., Jarvelin, M.-R., & Smalley, S.L. (2007). Subtypes vs. severity differences in Attention Deficit Hyperactivity Disorder in the Northern Finnish Birth Cohort (NFBC). *Journal of the American Academy of Child & Adolescent Psychiatry, 46*, 1584-1593.

Keller, P. S., Cummings, E.M., Davies, P.T., & Lubke, G.H. (2007). Children’s behavioral reactions to marital conflict as a function of parents’ conflict behaviors and alcohol problems. *European Journal of Developmental Psychology, 4,* 157-177.

Lubke, G.H. & Muthén, B.O. (2007). Performance of factor mixture models as a function of covariate effects, model size, and class-specific parameters. *Structural Equation Modeling 14,* 26-47*.*

Lubke, G.H., & Neale, M.C. (2006). Distinguishing between latent classes and continuous factors: Resolution by maximum likelihood? *Multivariate Behavioral Research,41,* 499-532.

Pressman, L.J., Loo, S.K., Carpenter, E.M., Asarnow, J. Lynn, D., McCracken, J. McGough, J., Lubke, G.H., Yang, M.H., & Smalley, S.L. (2006). Effects of family environment and parental psychopathology on impairment in ADHD. *Journal of the American Academy of Child & Adolescent Psychiatry, 45,* 345-354.

Neale, M. C, Lubke, G.H., Aggen, S. H. & Dolan, C.V. (2005). Problems with using sum scores for estimating variance components: Contamination and measurement non-invariance. *Twin Research & Human Genetics,* *16*, 553-568.

Lynn, D.E., Lubke, G.H., Yang, M., McCracken, J.R., Gough, J., & Smalley, S. (2005). Temperament and character profiles and the dopamine D4 receptor gene in ADHD. *The American Journal of Psychiatry, 162*, 906-914.

Dolan, C.V., Schmittmann, V.D., Lubke, G.H., & Neale, M. C. (2005). Regime switching in the latent growth curve model. *Structural Equation Modeling, 12*, 94-119.

Lubke, G.H. & Muthén, B.O. (2005). Investigating population heterogeneity with factor mixture models. *Psychological Methods*, 10, 21-39.

Lubke, G.H. & Muthén, B.O. (2004). Applying multi-group confirmatory factor models for continuous outcomes to Likert scale data complicates meaningful group comparisons. *Structural Equation Modeling, 11*, 514-534.

Lubke, G.H., Neale, M.C., & Dolan, C.V. (2004). Implications of absence of measurement invariance for detecting sex limitation and genotype by environment interaction. *Twin Research, 7*, 292 - 298.

Lubke, G.H., Dolan, C.V. & Kelderman, H., & Mellenbergh, G.J. (2003). The relation between sources of within- and between-group differences and measurement invariance in the context of the common factor model. *Intelligence, 173*, 1-24.

Lubke, G.H., Dolan, C.V., & Kelderman, H. (2003). Weak measurement invariance with respect to unmeasured variables: An implication of strict factorial invariance. *British Journal of Mathematical and Statistical Psychology*, *56*, 231-248.

Lubke, G.H. & Dolan, C.V. (2003). Can differences in residual variances across groups mask differences in residual means in the common factor model? *Structural Equation Modeling*, 10, 175-192.

Kerssens, C., Lubke, G.H., Klein, J., van der Woerd, A., & Bonke, B. (2002). Memory function during propofol/alfentanil anesthesia: Predictive value of individual differences. *Anesthesiology, 97*, 382-389.

Lubke, G.H., Dolan, C.V., & Kelderman, H. (2001). Investigating group differences using Spearman’s Hypothesis: An evaluation of Jensen’s method. *Multivariate Behavioral Research*, *36*, 299-324.

Dolan, C.V. & Lubke, G.H. (2001). Viewing Spearman’s Hypothesis from the perspective of multi-group PCA: A comment on Schönemann’s criticism. *Intelligence, 29*, 231-245.

Lubke, G.H. , Kerssens, C., Gershon, R.Y., & Sebel, P.S. (2000). Memory formation during general anesthesia for emergency cesarean sections. *Anesthesiology, 92,* 1029-1037.

Lubke, G.H. & Sebel, P.S. (2000). Awareness and different forms of memory in trauma anesthesia. *Current Opinions in Anesthesiology, 13*, 161-165.

Lubke, G.H. , Kerssens, C., Phaf, R.H., & Sebel, P.S. (1999). Dependence of explicit and implicit memory on hypnotic state in trauma patients. *Anesthesiology, 90*, 670-680.

**Invited talks, symposia, workshops**

2018 American Psychological Association, Data-mining Workshop

2017 University of North Carolina, Chapel Hill, invited talk

2016 University of Tillburg, Netherlands, Invited Talk

2016 Joint Statistical Meeting, round table discussion

2016 American Psychological Association, Data-mining Workshop

2015 American Psychological Association, Data-mining Workshop

2014 Ohio State University, invited talk

2014 American Psychological Association, Data-mining Workshop

2014 Annual Meeting of the Psychometric Society, Invited talk

2014 Annual Convention of the American Psychological Society, Methods Track lecture

2013 American Psychological Association, Data-mining Workshop

2013 Symposium 25th Anniversary of the Netherlands Twin Register, KNAW, Amsterdam

2012 Mplus Workshop, John’s Hopkins University

2010 Center for Integrated Latent Variable Research (CILVR), University of Maryland

2008 UBC/Georgetown University Medical Center

2008 Society of Multivariate Experimental Psychology, Montreal

2007 American Educational Research Association (AERA), Chicago

2007 American Psychological Association (APA), San Francisco

2006 Center for Integrated Latent Variable Research (CILVR), University of Maryland

**Funding**

*Ongoing research*

2014-2019 FP7-602768, Boomsma (PI), Role: Co-Investigator

*EU consortium ACTION: Aggression in Children: Unraveling gene- environment interplay to inform Treatment and InterventiON strategies*

2004-2020 DA-018673, Neale (PI), Role: Co-Investigator

*Psychometric and Genetic Assessments of Substance Abuse*

The goals of this former Merit Award are to develop different methods including but not limited to latent variable mixture models to investigate substance abuse and to apply the methods to existing large data sets. The 10-year grant was renewed for another 5 years.

*Completed Research:*

2016-2018 NSF 1560089, Brenner, Lubke (PIs)

REU Computational Social Sciences at the University of Notre Dame

2004-2016 R01 AG023571, Bergeman (PI) , Role: Co-Investigator

*Notre Dame Study of Resiliency in Later Life*

The goal is to provide an integrated model of resilience and well-being in Later Life that will help inform intervention efforts to extend disability- free years to larger segments of the population.

2012-2015 BCS-1229450, Nabrzyski, Lubke, Mark, Chawla, Hachen (PIs)

*MRI:  Acquisition of a Data Analytics Cluster for Computational Social Science.*

The goal is to expand high memory clusters and storage for computationally intensive research in the Social Sciences.

2010-2015 R01MH083830, Clark (PI), Role: Co-Investigator

*Validity & Clinical Utility of 2-Part System for Personality Disorder Diagnosis*

The goal of this research is to provide clinicians and researchers of Personality Disorder with a revised diagnostic system that is reliable, valid, and clinically useful.

2007-2010 R01 AG023571, Bergeman (PI) , Role: Co-Investigator

*Supplement to Notre Dame Study of Resiliency in Later Life*

The goal was to carry out and assist in analyses that involve fitting mixture models to the longitudinal data collected in the study

2009-2011 ISK/6827/VPP, G.H. Lubke (PI)

Royal Netherlands Academy of Arts and Science, Visiting Professors Programme. The goal was to collaborate with researchers at the Department of Biological Psychology, VU University Amsterdam, on projects involving comlex phenotypes and genome-wide association studies.

2011-2013 Research contract with VU University Amsterdam

The goal was to continue the collaboration with researchers at the Department of Biological Psychology, VU University Amsterdam

2006-2008 R21 AG027360, G.H. Lubke (PI)

*Novel Methods to Assess Complex Developmental Changes*

The goals of my project were (1) to develop and evaluate growth mixture

models that combine several growth processes in order to investigate the relation between different developmental processes over time, and (2) to apply these models to empirical data.

**Professional Memberships**

SMEP Society of Multivariate Experimental Psychology

BGA Behavior Genetics Association

**Service**

## *Professional*

## 2011-present Associate Editor Behavior Genetics

2012-2018 Consulting Editor Abnormal Psychology

2014-present Consulting Editor Archives of Scientific Psychology

2010-present Member of the Editorial Board of Psychological Methods

2010-present Member of the Editorial Board of Structural Equation Modeling

2009-present Ad-hoc reviewer of The Royal Netherlands Academy of Arts and Sciences

2009-2018 Ad-hoc reviewer of the National Science Foundation (NFS, USA)

2008-2011 Associate Editor Multivariate Behavioral Research

*University*

2011-2017 Program Director Psychology Program/ Quantitative Area

2011-2017 Graduate Studies Committee, Department of Psychology

2016-2017 Data Science Minor development committee

2016 Chair Quantitative Search Committee

2008-2011 Publicity and Website Committee

2008-2010 Executive Committee, Center for Applied Mathematics

2007-2008 Space, Parking and Security Committee, Department of Psychology

2006-2007 Chair of the ad-hoc Quantitative Search Committee

2006-2007 Strategic Planning Committee, Department of Psychology

2004-2010 Computer/Tech Support Committee, Department of Psychology

*PhD and Masters Committees*

2009-present Director of PhD committees (S. Tueller, R. Walters, C. Laurin, P. Miller, D. McArtor, J. Luningham)

2006-present Director of Masters Thesis (D. Cisler, R. Walters, C. Laurin, D. McArtor, P. Miller, I. Campbell, J. Luningham)

2006-present Member of PhD committees (Z. Ke, X. Zhong. Z. Lu, P. Deboek, W. Zhang, C. Weaver, J. Rausch, L. Smith, E. Covey, M. Cain)

2006-2014 Member of Masters committees (P. Deboek, X. Zhong, M. Yang)