

CURRICULUM VITAE FOR PROMOTION AND TENURE

KELVIN O. LIM, M.D.

PROFESSIONAL ADDRESS

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 Department of Psychiatry
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IDENTIFYING INFORMATION

Education

Degree	Institution	Date Degree Granted
B.A.	Johns Hopkins University Baltimore, Maryland Human Biology	1978-1980
M.D.	Johns Hopkins University Baltimore, Maryland School of Medicine	1983
Internship and Residency	Stanford University Stanford, CA School of Medicine	1984-1988
Fellowship	VA Medical Center Minneapolis, MN Neuropsychiatric Imaging Lab of Physiological and Structural Brain Imaging	1988-1990

Certifications, Licenses

Certifications

Diplomat of American Board of Psychiatry & Neurology in Psychiatry 1990

Licensure

DEA registration BL0164462 Expires 3-31-2020
 Minnesota, #43991 Expires 11-30-2020
 Medical licenses: California, New York, Minnesota

Academic Appointments

<u>University of Minnesota Medical School, Twin Cities Campus</u>	2001-present
KL2 Seminar Director, CTSI	2018-present
Site Principal Investigator, Minneapolis VA, Defense and Veterans Brain Injury Center	2013-present
Professor, Department of Psychiatry	2001-present
Drs. T.J. and Ella M. Arneson Land Grant Chair in Human Behavior	
Director, The Nun Study	2009-2019
Site Director, Minneapolis VA, Defense and Veterans Brain Injury Center	2010-2013
<u>New York University School of Medicine, New York, NY</u>	1999-2001
Associate Professor, Department of Psychiatry	2000-2001
Research Associate Professor	1999-2000
<u>Northshore-Long Island Jewish Health System, New York, NY</u>	1998-2001
Research Psychiatrist, Nathan Kline Institute for Psychiatric Research	1998-2001

Academic Administrative Appointments

<u>University of Minnesota Medical School, Twin Cities Campus</u>	2002-present
Vice Chair for Research, Department of Psychiatry	2005-present
Associate Program Director, General Clinical Research Center	2002-2009

Clinical/Hospital Appointments

<u>University of Minnesota Medical School, Twin Cities Campus</u>	2001-present
Director of 3T Services, Center for Magnetic Resonance Research	2011-present
Core Faculty Member, Center for Neurobehavioral Development	2002-present
Core Faculty Member, Center for Magnetic Resonance Research	2001-present
Director of Advanced Research Program, CTSI	2015-2017
Director of Undergraduate Research Program, CTSI	2014-2017
<u>Minneapolis VA Health Care System, Minneapolis, MN</u>	
Site Principal Investigator, Defense Veterans Brain Injury Center	2012-present
GRECC Staff Physician	2004-present
<u>VA Palo Alto Health Care System, Palo Alto, CA</u>	1991-1997
4B2 Ward Chief, Attending Psychiatrist	1995-1997
Clinical Director, Mental Health Clinical Research Center	1991-1997
Chief, Education and Research, Psychiatry Service	1993-1995
4B2 Ward Chief, Mental Health Clinical Research Center/4B2	1991-1993
<u>Stanford University School of Medicine, Department of Psychiatry & Behavioral Sciences, Stanford, CA and VA Palo Alto Health Care System, Palo Alto, CA</u>	1991-1997
Associate Director, Laboratory of Physiological and Structural Brain Imaging	1991-1997

Stanford University School of Medicine, Stanford, CA 1991-1997
 Assistant Professor, Department of Psychiatry & Behavioral Sciences 1991-1997

VA Medical Center, Palo Alto, CA 1990-1993
 Attending Psychiatrist, Mental Health Clinical Research Center 4B2 1990-1993

Current Membership and Offices in Professional Organizations

International Society for Magnetic Resonance in Medicine
 Biological Psychiatry
 American College of Neuropsychopharmacology, Fellow, Member since 2003

Honorary Professorships

Honorary Professor, Key Laboratory for Mental Health, Chinese Academy of Sciences 2011-2015
 Honorary Professor, University of Hong Kong, Department of Psychiatry 2018-2023

HONORS AND AWARDS FOR RESEARCH WORK, TEACHING, PUBLIC ENGAGEMENT, AND SERVICE

University of Minnesota

Clinical Translational Science Institute Mentor of the Year Award 2014

External Sources

NARSAD Independent Investigator Award 1999-2001
 NARSAD Young Investigator Award 1989-1991
 Veterans Administration Psychiatric Research Fellowship 1987-1990

RESEARCH AND SCHOLARSHIP

Grants and Contracts

External Sources

Current Grant Support

1. Role: Principal Investigator
 Grant Number: 1I01CX001995-01A1
 External Granting Agency: Department of Veterans Affairs
 Grant Title: Effects of TDCS Paired with Cognitive Training on Brain Networks Associated with Alcohol Use Disorder in Veterans
 Project Dates: 01-01-2020 – 12-31-2023
 Total Award: \$1,199,944

2. Role: Principal Investigator
 Grant Number: 1RF1MH116987-01
 External Granting Agency: NIMH
 Grant Title: Increased Thalamocortical Connectivity in TDCS-Potentiated Generalization of Cognitive Training
 Project Dates: 09-01-18 – 08-31-22
 Total Award: \$2,794,374

3. Role: Principal Investigator
Grant Number: 1UG3DA048508-01
External Granting Agency: NIH
Grant Title: Combined TDCS and Cognitive Training for the Treatment of Opioid Addiction
Project Dates: 09-30-19 – 08-31-21
Total Award: \$741,027
4. Role: Principal Investigator
Grant Number: 5R01DA038984-05
External Granting Agency: NIDA
Grant Title: Functional Connectivity Changes During Early Recovery as a Marker for Relapse
Project Dates: 08-01-15 – 06-30-20
Total Award: \$2,611,255
5. Role: Multiple Principal Investigator
Name of PI: Kardon, Lim, & Cockerham
External Granting Agency: CENC
Grant Title: Visual Sensory Impairments and Progression Following Mild Traumatic Brain Injury
Project Dates: 01-01-16 – 12-31-19
Total Award: \$690,000

Past Grant Support

1. Role: Multiple Principal Investigator
Name of PI: Kardon, Lim, & Cockerham
External Granting Agency: CENC
Grant Title: Visual Sensory Impairments and Progression Following Mild Traumatic Brain Injury
Project Dates: 01-01-16 – 12-31-19
Total Award: \$690,000
2. Role: Multiple Principal Investigator
External Granting Agency: NIA
Grant Title: Role of Impaired Cognitive States & Risk Factors in Conversion to Mixed Dementias
Project Dates: 09-01-11 – 05-31-16
Total Award: \$2,828,867
3. Role: Principal Investigator
External Granting Agency: NIH
Grant Title: High Performance Connectome Upgrade for Human 3T MR Scanner
Project Dates: 06-01-14 – 05-31-16
Total Award: \$600,000
4. Role: Principal Investigator
External Granting Agency: VA Merit

- Grant Title: Interventions for Treatment of PTSD in Veterans
Project Dates: 01-01-12 – 06-30-14
Total Award: \$1,000,000
5. Role: Principal Investigator
Grant Number: R01
External Granting Agency: NIMH
Grant Title: White Matter Abnormalities in Schizophrenia
Project Dates: 12-01-05 – 11-30-12
Total Award: \$2,953,107
 6. Role: Principal Investigator
External Granting Agency: NIDA
Grant Title: P20 Center for the Study of Impulsivity in Addiction
Project Dates: 09-15-07 – 06-30-12
Total Award: \$3,268,515
 7. Role: Principal Investigator
External Granting Agency: NCRN
Grant Title: FIRST BIRN
Project Dates: 12-01-02 – 11-30-11
Total Award: \$935,556
 8. Role: Co-Principal Investigator
Name of PI: Luciana
Grant Number: R01
External Granting Agency: NIDA
Grant Title: Adolescent Brain Development and Effects of Drug Abuse
Project Dates: 08-01-04 – 07-31-10
Total Award: \$2,381,380
 9. Role: Principal Investigator
Grant Number: R01
External Granting Agency: NIMH
Grant Title: White Matter Abnormalities in Schizophrenia
Project Dates: 04-01-01 – 03-31-06
Total Award: \$775,770
 10. Role: Principal Investigator
Grant Number: R21
External Granting Agency: NIDA
Grant Title: Effects of Drug Induced Brain Injury on Cognition
Project Dates: 09-30-01 – 05-31-05
Total Award: \$525,000
 11. Role: Principal Investigator
External Granting Agency: NARSAD Independent Investigator Award
Grant Title: White Matter Abnormalities in Prodromal and First Episode Schizophrenia
Project Dates: 09-01-99 – 08-31-01

Total Award: \$100,000

12. Role: Principal Investigator
 External Granting Agency: Stanley Research Foundation Research Award
 Grant Title: Biochemical Correlates of Abnormal White Matter Anisotropy in Schizophrenia
 Project Dates: 07-01-99 – 06-30-01
 Total Award: \$100,000

13. Role: Principal Investigator
 Grant Number: R01 MH53313
 External Granting Agency: NIMH
 Grant Title: 31P MRS Brain Imaging in Schizophrenic Patients
 Project Dates: 04-01-96 – 03-31-01
 Total Award: \$365,402

14. Role: Principal Investigator
 External Granting Agency: Department of Veteran Affairs
 Grant Title: Brain Changes in Psychiatric Patients
 Project Dates: 04-01-96 – 03-31-99
 Total Award: \$270,000

15. Role: Investigator
 Name of PI: Pfefferbaum
 Grant Number: AG11427
 External Granting Agency: NIA
 Grant Title: MR Spectroscopic Brain Imaging in Aging & Dementia
 Project Dates: 07-01-93 – 06-30-98
 Total Award: \$622,907

16. Role: Principal Investigator
 External Granting Agency: Department of Veteran Affairs
 Grant Title: Brain Changes in Psychiatric Patients: Morphology & Electrophysiology
 Project Dates: 04-01-92 – 03-31-95
 Total Award: \$270,000

17. Role: Principal Investigator
 External Granting Agency: NARSAD
 Grant Title: Lithium Imaging in Bipolar Disorder
 Project Dates: 07-01-89 – 06-30-91
 Total Award: \$60,000

Publications

Impact Analytics

<i>h</i> - Index	<i>h(fl)</i> - index	Total Publications	First/Last Author Publications	Total Citations	First/Last Author Citations
84	52	289	94	21147	9017

Peer-Reviewed Publications

1. Evanoff NG, Mueller BA, Marlatt KL, Geijer JR, **Lim KO**, Dengel DR. Reproducibility of a ramping protocol to measure cerebral vascular reactivity using functional magnetic resonance imaging. *Clin Physiol Funct Imaging*. 2020 Jan 27. doi: 10.1111/cpf.12621. [Epub ahead of print] PubMed PMID: 31984617.
2. Cullen KR, Schreiner MW, Klimes-Dougan B, Eberly LE, LaRiviere LL, **Lim KO**, Camchong J, Mueller BA. Neural correlates of clinical improvement in response to N-acetylcysteine in adolescents with non-suicidal self-injury. *Prog Neuropsychopharmacol Biol Psychiatry*. 2019 Nov 1;99:109778. doi: 10.1016/j.pnpbp.2019.109778. [Epub ahead of print] PubMed PMID: 31682891.
3. Abram SV, De Coster L, Roach BJ, Mueller BA, van Erp TGM, Calhoun VD, Preda A, **Lim KO**, Turner JA, Ford JM, Mathalon DH, Woolley JD. Oxytocin enhances an amygdala circuit associated with negative symptoms in schizophrenia: A single-dose, placebo-controlled, crossover, randomized control trial. *Schizophr Bull*. 2019 Oct 9. pii: sbz091. doi: 10.1093/schbul/sbz091. [Epub ahead of print] PubMed PMID: 31595302.
4. Klimes-Dougan B, Chong LS, Samikoglu A, Thai M, Amatya P, Cullen KR, **Lim KO**. Transcendental meditation and hypothalamic-pituitary-adrenal axis functioning: A pilot, randomized controlled trial with young adults. *Stress*. 2019 Sep 11:1-11. doi: 10.1080/10253890.2019.1656714. [Epub ahead of print] PubMed PMID: 31418329.
5. Westlund Schreiner M, Klimes-Dougan B, Mueller BA, Nelson KJ, **Lim KO**, Cullen KR. Neurocircuitry associated with symptom dimensions at baseline and with change in borderline personality disorder. *Psychiatry Res Neuroimaging*. 2019 Aug 30;290:58-65. doi: 10.1016/j.psychres.2019.07.001. Epub 2019 Jul 5. PubMed PMID: 31302291.
6. Camchong J, Collins PF, Becker MP, **Lim KO**, Luciana M. Longitudinal alterations in prefrontal resting brain connectivity in non-treatment-seeking young adults with cannabis use disorder. *Front Psychiatry*. 2019 Jul 25;10:514. doi: 10.3389/fpsy.2019.00514. eCollection 2019. PubMed PMID: 31404267; PubMed Central PMCID: PMC6670783.
7. Nakahara S, Turner JA, Calhoun VD, **Lim KO**, Mueller B, Bustillo JR, O'Leary DS, McEwen S, Voyvodic J, Belger A, Mathalon DH, Ford JM, Macciardi F, Matsumoto M, Potkin SG, van Erp TGM. Dentate gyrus volume deficit in schizophrenia. *Psychol Med*. 2019 Jun 3:1-11. doi: 10.1017/S0033291719001144. [Epub ahead of print] PubMed PMID: 31155012.
8. King KE, Rudser KD, Nestrasil I, Kovac V, Delaney KA, Wozniak JR, Mueller BA, **Lim KO**, Eisengart JB, Mamak EG, Raiman J, Ali N, Cagle S, Harmatz P, Whitley CB, Shapiro EG. Attention and corpus callosum volumes in individuals with mucopolysaccharidosis type I. *Neurology*. 2019 Apr 12. pii:10.1212/WNL.0000000000007496. doi: 10.1212/WNL.0000000000007496. [Epub ahead of print] PubMed PMID: 30979856.
9. Cullen KR, Brown R, Schreiner MW, Eberly LE, Klimes-Dougan B, Reigstad K, Hill D, **Lim KO**, Mueller BA. White matter microstructure relates to lassitude but not diagnosis in adolescents with depression. *Brain Imaging Behav*. 2019 Mar 19. doi: 10.1007/s11682-019-00078-8. [Epub ahead of print] PubMed PMID: 30887416.

10. Francis SM, Camchong J, Brickman L, Goelkel-Garcia L, Mueller BA, Tseng A, **Lim KO**, Jacob S. Hypoconnectivity of insular resting-state networks in adolescents with Autism Spectrum Disorder. *Psychiatry Res Neuroimaging*. 2019 Jan 30;283:104-112. doi: 10.1016/j.psychresns.2018.12.003. Epub 2018 Dec 7. PubMed PMID: 30594068.
11. Rashid B, Chen J, Rashid I, Damaraju E, Liu J, Miller R, Agcaoglu O, van Erp TGM, **Lim KO**, Turner JA, Mathalon DH, Ford JM, Voyvodic J, Mueller BA, Belger A, McEwen S, Potkin SG, Preda A, Bustillo JR, Pearlson GD, Calhoun VD. A framework for linking resting-state chronnectome/genome features in schizophrenia: A pilot study. *Neuroimage*. 2019 Jan 1;184:843-854. doi: 10.1016/j.neuroimage. 2018.10.004. Epub 2018 Oct 6. PubMed PMID: 30300752; PubMed Central PMCID: PMC6230505.
12. Lee EHM, Camchong J, Skouras S, Hui CLM, Chan PY, Law EYL, Chong CSY, Chang WC, Chan SKW, Lo WTL, Chen EYH, **Lim KO**. Differential cortical thinning of auditory cortex in first episode schizophrenia: Association with auditory verbal hallucinations. *Schizophr Res*. 2018 Dec 1. pii: S0920-9964(18)30665-0. doi:10.1016/j.schres.2018.11.014. [Epub ahead of print] PubMed PMID: 30514646.
13. Moghimi P, **Lim KO**, Netoff TI. Data driven classification using fMRI network measures: Application to schizophrenia. *Front Neuroinform*. 2018 Oct 30;12:71. doi: 10.3389/fninf.2018.00071. eCollection 2018. PubMed PMID: 30425631; PubMed Central PMCID: PMC6218612.
14. Bishop JR, Lee AM, Mills LJ, Thuras PD, Eum S, Clancy D, Erbes CR, Polusny MA, Lamberty GJ, **Lim KO**. Methylation of FKBP5 and SLC6A4 in relation to treatment response to mindfulness based stress reduction for posttraumatic stress disorder. *Front Psychiatry*. 2018;9:418. Epub 2018/10/04. doi: 10.3389/fpsy.2018.00418. PubMed PMID: 30279666; PMCID: PMC6153325.
15. Camchong J, Cullen KR, **Lim KO**, Schulz SC. Brain metabolism changes in women with BPD undergoing olanzapine treatment. *Psychiatry Res Neuroimaging*. 2018;279:19-21. Epub 2018/08/07. doi: 10.1016/j.psychresns.2018.06.015. PubMed PMID: 30081289.
16. Hare SM, Ford JM, Mathalon DH, Damaraju E, Bustillo J, Belger A, Lee HJ, Mueller BA, **Lim KO**, Brown GG, Preda A, van Erp TGM, Potkin SG, Calhoun VD, Turner JA. Salience-default mode functional network connectivity linked to positive and negative symptoms of schizophrenia. *Schizophr Bull*. 2018. Epub 2018/09/01. doi: 10.1093/schbul/sby112. PubMed PMID: 30169884.
17. Haynos AF, Hall LMJ, Lavender JM, Peterson CB, Crow SJ, Klimes-Dougan B, Cullen KR, **Lim KO**, Camchong J. Resting state functional connectivity of networks associated with reward and habit in anorexia nervosa. *Hum Brain Mapp*. 2018. Epub 2018/09/27. doi: 10.1002/hbm.24402. PubMed PMID: 30251758.
18. Koenig J, Westlund Schreiner M, Klimes-Dougan B, Ubani B, Mueller BA, **Lim KO**, Kaess M, Cullen KR. Increases in orbitofrontal cortex thickness following antidepressant treatment are associated with changes in resting state autonomic function in adolescents with major depression – Preliminary findings from a pilot study. *Psychiatry Res Neuroimaging*.

- 2018;281:35-42. Epub 2018/09/15. doi: 10.1016/j.psychresns.2018.08.013. PubMed PMID: 30216863.
19. Agcaoglu O, Miller R, Damaraju E, Rashid B, Bustillo J, Cetin MS, Van Erp TGM, McEwen S, Preda A, Ford JM, **Lim KO**, Manoach DS, Mathalon DH, Potkin SG, Calhoun VD. Decreased hemispheric connectivity and decreased intra- and inter- hemisphere asymmetry of resting state functional network connectivity in schizophrenia. *Brain Imaging and Behavior*. 2018;12(3):615-30. Epub 2017/04/24. doi: 10.1007/s11682-017-9718-7. PubMed PMID: 28434159; PMCID: PMC5651208.
 20. Gilmore CS, Dickmann PJ, Nelson BG, Lamberty GJ, **Lim KO**. Transcranial direct current stimulation (tDCS) paired with a decision-making task reduces risk-taking in a clinically impulsive sample. *Brain Stimulation*. 2018;11(2):302-9. Epub 2017/11/28. doi: 10.1016/j.brs.2017.11.011. PubMed PMID: 29174303.
 21. Albott CS, **Lim KO**, Forbes MK, Erbes C, Tye SJ, Grabowski JG, Thuras P, Batres YCTM, Wels J, Shiroma PR. Efficacy, safety, and durability of repeated ketamine infusions for comorbid posttraumatic stress disorder and treatment-resistant depression. *J Clin Psychiatry*. 2018;79(3). Epub 2018/05/05. doi: 10.4088/JCP.17m11634. PubMed PMID: 29727073.
 22. Bikson M, Brunoni AR, Charvet LE, Clark VP, Cohen LG, Deng ZD, Dmochowski J, Edwards DJ, Frohlich F, Kappenman ES, **Lim KO**, Loo C, Mantovani A, McMullen DP, Parra LC, Pearson M, Richardson JD, Rumsey JM, Sehatpour P, Sommers D, Unal G, Wassermann EM, Woods AJ, Lisanby SH. Rigor and reproducibility in research with transcranial electrical stimulation: An NIMH-sponsored workshop. *Brain Stimul*. 2018;11(3):465-80. Epub 2018/02/06. doi: 10.1016/j.brs.2017.12.008. PubMed PMID: 29398575; PMCID: PMC5997279.
 23. Cullen KR, Amatya P, Roback MG, Albott CS, Westlund Schreiner M, Ren Y, Eberly LE, Carstedt P, Samikoglu A, Gunlicks-Stoessel M, Reigstad K, Horek N, Tye S, **Lim KO**, Klimes-Dougan B. Intravenous ketamine for adolescents with treatment-resistant depression: An open-label study. *J Child Adolesc Psychopharmacol*. 2018. Epub 2018/07/14. doi: 10.1089/cap.2018.0030. PubMed PMID: 30004254.
 24. Ferri J, Ford JM, Roach BJ, Turner JA, van Erp TG, Voyvodic J, Preda A, Belger A, Bustillo J, O'Leary D, Mueller BA, **Lim KO**, McEwen SC, Calhoun VD, Diaz M, Glover G, Greve D, Wible CG, Vaidya JG, Potkin SG, Mathalon DH. Resting-state thalamic dysconnectivity in schizophrenia and relationships with symptoms. *Psychol Med*. 2018:1-8. Epub 2018/02/16. doi: 10.1017/S003329171800003X. PubMed PMID: 29444726.
 25. Hare SM, Law AS, Ford JM, Mathalon DH, Ahmadi A, Damaraju E, Bustillo J, Belger A, Lee HJ, Mueller BA, **Lim KO**, Brown GG, Preda A, van Erp TGM, Potkin SG, Calhoun VD, Turner JA. Disrupted network cross talk, hippocampal dysfunction and hallucinations in schizophrenia. *Schizophr Res*. 2018. Epub 2018/03/25. doi: 10.1016/j.schres.2018.03.004. PubMed PMID: 29571753.
 26. Hendrickson TJ, Mueller BA, Sowell ER, Mattson SN, Coles CD, Kable JA, Jones KL, Boys CJ, Lee S, **Lim KO**, Riley EP, Wozniak JR. Two-year cortical trajectories are abnormal in children and adolescents with prenatal alcohol exposure. *Dev Cogn Neurosci*. 2018;30:123-33.

- Epub 2018/02/28. doi: 10.1016/j.dcn.2018.02.008. PubMed PMID: 29486453; PMCID: PMC5949095.
27. Kang SS, Erbes CR, Lamberty GJ, Thuras P, Sponheim SR, Polusny MA, Moran AC, Van Voorhis AC, **Lim KO**. Transcendental meditation for veterans with post-traumatic stress disorder. *Psychol Trauma*. 2018. Epub 2018/07/20. doi: 10.1037/tra0000346. PubMed PMID: 30024219.
 28. Kelly S, Jahanshad N, Zalesky A, Kochunov P, Agartz I, Alloza C, Andreassen OA, Arango C, Banaj N, Bouix S, Bousman CA, Brouwer RM, Bruggemann J, Bustillo J, Cahn W, Calhoun V, Cannon D, Carr V, Catts S, Chen J, Chen JX, Chen X, Chiapponi C, Cho KK, Ciullo V, Corvin AS, Crespo-Facorro B, Croyley V, De Rossi P, Diaz-Caneja CM, Dickie EW, Ehrlich S, Fan FM, Faskowitz J, Fatouros-Bergman H, Flyckt L, Ford JM, Fouche JP, Fukunaga M, Gill M, Glahn DC, Gollub R, Goudzwaard ED, Guo H, Gur RE, Gur RC, Gurholt TP, Hashimoto R, Hatton SN, Henskens FA, Hibar DP, Hickie IB, Hong LE, Horacek J, Howells FM, Hulshoff Pol HE, Hyde CL, Isaev D, Jablensky A, Jansen PR, Janssen J, Jonsson EG, Jung LA, Kahn RS, Kikinis Z, Liu K, Klauser P, Knochel C, Kubicki M, Lagopoulos J, Langen C, Lawrie S, Lenroot RK, **Lim KO**, Lopez-Jaramillo C, Lyall A, Magnotta V, Mandl RCW, Mathalon DH, McCarley RW, McCarthy-Jones S, McDonald C, McEwen S, McIntosh A, Melicher T, Meshulam-Gately RI, Michie PT, Mowry B, Mueller BA, Newell DT, O'Donnell P, Oertel-Knochel V, Oestreich L, Paciga SA, Pantelis C, Pasternak O, Pearlson G, Pellicano GR, Pereira A, Pineda Zapata J, Piras F, Potkin SG, Preda A, Rasser PE, Roalf DR, Roiz R, Roos A, Rotenberg D, Satterthwaite TD, Savadjiev P, Schall U, Scott RJ, Seal ML, Seidman LJ, Shannon Weickert C, Whelan CD, Shenton ME, Kwon JS, Spalletta G, Spaniel F, Sprooten E, Stablein M, Stein DJ, Sundram S, Tan Y, Tan S, Tang S, Temmingh HS, Westlye LT, Tonnesen S, Tordesillas-Gutierrez D, Doan NT, Vaidya J, van Haren NEM, Vargas CD, Vecchio D, Velakoulis D, Voineskos A, Voyvodic JQ, Wang Z, Wan P, Wei D, Weickert TW, Whalley H, White T, Whitford TJ, Wojcik JD, Xiang H, Xie Z, Yamamori H, Yang F, Yao N, Zhang G, Zhao J, van Erp TGM, Turner J, Thompson PM, Donohoe G. Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. *Mol Psychiatry*. 2018;23(5):1261-9. Epub 2017/10/19. doi: 10.1038/mp.2017.170. PubMed PMID: 29038599; PMCID: PMC5984078.
 29. Nakahara S, Medland S, Turner JA, Calhoun VD, **Lim KO**, Mueller BA, Bustillo JR, O'Leary DS, Vaidya JG, McEwen S, Voyvodic J, Belger A, Mathalon DH, Ford JM, Guffanti G, Macciardi F, Potkin SG, van Erp TGM. Polygenic risk score, genome-wide association, and gene set analyses of cognitive domain deficits in schizophrenia. *Schizophr Res*. 2018. Epub 2018/06/17. doi: 10.1016/j.schres.2018.05.041. PubMed PMID: 29907492.
 30. van Erp TGM, Walton E, Hibar DP, Schmaal L, Jiang W, Glahn DC, Pearlson GD, Yao N, Fukunaga M, Hashimoto R, Okada N, Yamamori H, Bustillo JR, Clark VP, Agartz I, Mueller BA, Cahn W, de Zwarte SMC, Hulshoff Pol HE, Kahn RS, Ophoff RA, van Haren NEM, Andreassen OA, Dale AM, Doan NT, Gurholt TP, Hartberg CB, Haukvik UK, Jorgensen KN, Lagerberg TV, Melle I, Westlye LT, Gruber O, Kraemer B, Richter A, Zilles D, Calhoun VD, Crespo-Facorro B, Roiz-Santianez R, Tordesillas-Gutierrez D, Loughland C, Carr VJ, Catts S, Croyley VL, Fullerton JM, Green MJ, Henskens FA, Jablensky A, Lenroot RK, Mowry BJ, Michie PT, Pantelis C, Quide Y, Schall U, Scott RJ, Cairns MJ, Seal M, Tooney PA, Rasser PE, Cooper G, Shannon Weickert C, Weickert TW, Morris DW, Hong E, Kochunov P, Beard LM, Gur RE, Gur RC, Satterthwaite TD, Wolf DH, Belger A, Brown GG, Ford JM, Macciardi

- F, Mathalon DH, O'Leary DS, Potkin SG, Preda A, Voyvodic J, **Lim KO**, McEwen S, Yang F, Tan Y, Tan S, Wang Z, Fan F, Chen J, Xiang H, Tang S, Guo H, Wan P, Wei D, Bockholt HJ, Ehrlich S, Wolthuisen RPF, King MD, Shoemaker JM, Sponheim SR, De Haan L, Koenders L, Machielsen MW, van Amelsvoort T, Veltman DJ, Assogna F, Banaj N, de Rossi P, Iorio M, Piras F, Spalletta G, McKenna PJ, Pomarol-Clotet E, Salvador R, Corvin A, Donohoe G, Kelly S, Whelan CD, Dickie EW, Rotenberg D, Voineskos AN, Ciufolini S, Radua J, Dazzan P, Murray R, Reis Marques T, Simmons A, Borgwardt S, Egloff L, Harrisberger F, Riecher-Rössler A, Smieskova R, Alpert KI, Wang L, Jonsson EG, Koops S, Sommer IEC, Bertolino A, Bonvino A, Di Giorgio A, Neilson E, Mayer AR, Stephen JM, Kwon JS, Yun JY, Cannon DM, McDonald C, Lebedeva I, Tomyshev AS, Akhadov T, Kaleda V, Fatouros-Bergman H, Flyckt L, Karolinska Schizophrenia P, Busatto GF, Rosa PGP, Serpa MH, Zanetti MV, Hoschl C, Skoch A, Spaniel F, Tomecek D, Hagenaars SP, McIntosh AM, Whalley HC, Lawrie SM, Knochel C, Oertel-Knochel V, Stablein M, Howells FM, Stein DJ, Temmingh HS, Uhlmann A, Lopez-Jaramillo C, Dima D, McMahon A, Faskowitz JI, Gutman BA, Jahanshad N, Thompson PM, Turner JA. Cortical brain abnormalities in 4474 individuals with schizophrenia and 5098 control subjects via the enhancing neuro imaging genetics through meta analysis (ENIGMA) consortium. *Biol Psychiatry*. 2018. Epub 2018/07/02. doi: 10.1016/j.biopsych.2018.04.023. PubMed PMID: 29960671.
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Software Development

Patents

Automated Verbal Fluency Assessment; Patent No. 9,576,593

February 21, 2017

PROFESSIONAL SERVICE AND PUBLIC OUTREACH

Service to the Discipline/Profession/Interdisciplinary Areas

Editorships/Journal Reviewer Experience

American Journal of Psychiatry
 Archives of General Psychiatry
 Biological Psychiatry
 Journal of Magnetic Resonance Imaging
 Neuropsychopharmacology
 Psychiatry Research: Neuroimaging
 Schizophrenia Bulletin, Editorial Board
 Schizophrenia Research

Review Panels for External Funding Agencies and Foundations

Board of Scientific Counselors, NIMH	2018 – 2023
Chartered Member, NIH Study Section – NPAS	October 2017 – June 2020
Scientific Council, Brain and Behavior Research Foundation	August 2017-current
National Advisory Council on Drug Abuse	February 2012 – November 2015
Member, NIH Study Section – NPAS	June 1999 – June 2005
Member, NIMH Study Section – Mental Disorders of Aging	October 1996 – June 1999

Service to the University/Medical School/Department

University of Minnesota

University-Wide Service

KL2 Seminar Director, CTSI

September 2018-present

Medical School Service

Medical School Research Council

2019 – present