

Katherine H. Karlsgodt

Curriculum Vitae

Date Prepared: April 25 2022

Birthplace: San Diego, California USA

Institution: University of California, Los Angeles
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Positions:

2019- present Associate Professor (with tenure) Department of Psychology
University of California, Los Angeles

2017-present Brain Research Institute (BRI), University of California, Los Angeles

2016-2019 Assistant Professor, Department of Psychiatry and Biobehavioral Sciences
University of California, Los Angeles

2016- 2019 Assistant Professor, Department of Psychology
University of California, Los Angeles

2013-2016 Assistant Professor, Department of Psychiatry
Zucker School of Medicine at Hofstra/Northwell

2012- 2016 Assistant Investigator, Division of Psychiatry Research
Feinstein Institute for Medical Research
Zucker Hillside Hospital, Northwell Health System

2009-2012 Assistant Research Scientist
Center for Cognitive Neuroscience
Department of Psychiatry and Biobehavioral Sciences, UCLA

1999-2001 Research Assistant
Massachusetts General Hospital, Department of Psychiatry

Education and Training:

2007-2009 Postdoctoral Fellow, Neurogenetics Affinity Group, Semel Institute, UCLA

2001-2007 Ph.D., Cognitive Neuroscience Area, Department of Psychology, UCLA

2001-2003 M.A., Cognitive Neuroscience Area, Department of Psychology, UCLA

1995-1999 B.A., Psychology, Trinity College, Hartford, CT

Awards and Honors:

2019 American College of Neuropsychopharmacology (ACNP) Full Membership

2013 American College of Neuropsychopharmacology (ACNP) Associate Membership

2013 NIMH BRAINS Award and R01, Biobehavioral Research Awards for Innovative
New Scientists

2013 NIH Early Career Reviewer Program

2012 Feinstein Institute for Medical Research Competitive Faculty Award

2011 International Congress on Schizophrenia Research, Young Investigator Award

2010 American College of Neuropsychopharmacology Travel Award

2010 Friends of Semel Institute Travel Award

2008 New York Academy of Sciences James McKeen Cattell Dissertation Award

2007 Department of Psychology Gengerelli Distinguished Dissertation Award

2006 American Psychological Foundation (APF/COGDOP) Scholarship

2005 Will Rogers Memorial Fellowship

2004 UCLA Graduate Division Travel Award

2003 UCLA Graduate Division Travel Award

2001 Travel Award, Women Gender and Drug Abuse, CPDD, NIDA

1999 Partners in Excellence Award, Mass. General Hospital, Partners Healthcare System
1999 Psychology Award, Trinity College Psychology Department
1998-99 Deans List, Trinity College
1995-1997 Guided Studies, Humanities Honors Program, Trinity College

Current Funding:

NIMH U01MH124639

ProNET: Psychosis-Risk Outcomes Network

9/8/20-6/20/25

PI: Carrie Bearden (UCLA), Scott Woods (Yale), John Kane (Feinstein Institute)

Role: Co-Investigator

Pending Funding

NIMH R21

Neuromelanin imaging as an index of dopamine function in adolescent psychosis

PI: Katherine Karlsgodt

NIDA R01

Saliency network dynamics: A novel neural marker of self-control and addiction vulnerability in early adolescence

PI: Lucina Uddin

Role: Co-Investigator

Previous Funding:

NIMH R21MH116433 (PI)

Microstructural neuroimaging of synaptic pruning and myelination in adolescent psychosis 11/14/18-10/31/20

PI: Katherine Karlsgodt

NIMH R01MH110544 (Co-Investigator- PIs Keith Nuechterlein, Cindy Yee Bradbury, Greg Miller)

Enhancing Cognitive Training Through Exercise Following a First Schizophrenia Episode 9/2/16-6/30/21

NIMH, R01MH101506 (PI) 8/16/13-6/30/20

Multimodal Imaging of Executive and Reward Networks across the Psychosis Spectrum

UCLA Academic Senate Faculty Research Grant

7/1/2017-12/31/2018

UCLA Faculty Career Development Award

7/1/2018-6/30/2019

NIMH 1R01MH101506-S1 Supplement

8/1/15- 5/31/16

Feinstein Institute for Medical Research Competitive Faculty Award

12/30/12-12/29/13

Consortium for Neuropsychiatric Phenomics (CNP)

7/1/09-6/30/11

Pilot Project, "Translational Assessment of Complex Phenotypes: Bridging the Gap Between Behavior and Brain Function"

NIH Loan Repayment Program for Clinical Researchers

7/1/08-6/30/12

Postdoctoral Traineeship in Neurobehavioral Genetics T32, UCLA

7/1/07-6/30/08

NIMH, National Research Service Award

7/1/05-6/30/07

"Properties of Verbal Working Memory in Schizophrenia" 1F31MH068111-01A2

Traineeship, T32 Training Program in Neuroimaging, UCLA

7/1/03-6/30/05

Traineeship, T32 Behavioral Neuroscience Training Grant, UCLA

7/1/01-6/30/02

Teaching Experience:

UCLA Department of Psychology

2022 Developmental Neurobiology Psych 298

2019, 2020, 2021: Psych 270/271 (co-instructor)

2016, 2018, 2018, 2020, 2021: Abnormal Psychology: Biological Bases, Psych 127B

2017, 2018, 2019, 2021: Clinical Psychology Lab, Psych 126

2017 Special Problems in Psychology: Biological Aspects of Behavior Psych 298

Northwell Health System

2013-16 R-2 Zucker Hillside Hospital Resident Research Mentorship Program

2016-17 Hofstra Northwell School of Medicine Lecturer

University of Southern California

Awards to Supervised Students:

Stanley Sue Distinguished Research Award, Pooja Patel, 2019
UCLA Psychology, Best Paper in Psychology Post-doc Award, Catherine Hegarty, 2019
National Science Foundation Graduate Fellowship Honorable Mention, Danielle Currin, 2019
UCLA Undergraduate Research Scholars Program (USRP), Mengtong Pan, 2019
Stanley Sue Distinguished Research Award, Logan Leathem, 2020
Smadar Levin (Society for Research in Psychopathology) Award Finalist, Logan Leathem, 2021
National Science Foundation Graduate Fellowship Honorable Mention, Rachel McKinney, 2022

Service Activities (UCLA):

2020-present Chair, Clinical Area Academic Committee (effective Sept 2020)
2020 Deans Prize Judge, Undergraduate Research Week
2019 Reviewer, Graduate Summer Research Mentorship Award
2019-present Clinical Area Student Wellness Committee
2018-present Psychology Merit Review Committee
2017-present Psychology Department Strategic Planning Committee (SPC)
2017-2018 Psychology Merit Review Committee (Alternate)
2016-present Clinical Area Admissions Committee
2016-present Clinical Psychology Academic Committee
2016-present Clinical Area Committee
2016-present Goldstein Memorial Lecture Committee
2015-2016 Hofstra-Northwell School of Med., Psychiatry & Neurology Curriculum Committee
2014-2016 Faculty Council, Psychiatry Representative, Hofstra Northwell School of Medicine
2012-2016 Protocol Review Committee, Zucker Hillside Hospital Psychiatry Res. Division
2009-10 Co-organizer, Behavioral Neuroscience Weekly Seminar
2005 Psychology Undergraduate Research Conference session moderator
2004 Graduate Research Conference Assistant: Psychology Undergrad Research Conference (PURC)
2003-7 Content Advisor, UCLA Undergraduate Psychology Journal

Service Activities (Field):

2022-present Editorial Board Member, Biological Psychiatry
2021-present Schizophrenia Bulletin, Review Editor
2021 Society for Research in Psychopathology Program Committee
2021-present Psychological Review, Consulting Editor
2020-present Editorial Board Member, Biological Psychiatry: Cognitive Neuroscience & Neuroimaging (CNNI)
2018-present American College of Neuropsychopharmacology (ACNP) Women's Task Force
2015-2017 American College of Neuropsychopharmacology (ACNP) Program Committee

Service Activities (Community):

2020 Girl Scout Troop 3198, Psychology Badge Workshop
2017-2019 Westwood Charter Science Slam Volunteer "Journey Into the Brain" (annual)
2014-2016 Judge, Long Island Science and Engineering Fair (LISEF)
2010-2012 Site Manager, Iridescent Learning, Family Science Night

Professional Development Activities:

2019 Advanced Mentoring Practices Workshop, National Research Mentoring Network
2018 Collegiate Recovery Program, Recovery Ally Training
2017 Best Practices In Teaching Workshop, UCLA CEILS
2016 Advanced Faculty Mentoring Practices Workshop, UCLA CEILS
2016 Faculty Research Mentoring Practices Workshop
2016 LGBTQ Ally Training Certification
2013 The Connectome- Educational Course at Human Brain Mapping
2008 Cold Spring Harbor, Schiz. and Related Disorders Summer Lecture Course

2005 RIKEN Brain Science Institute, Summer Lecture Course, Japan
2004 IPAM Graduate Summer School: Mathematics in Brain Imaging, UCLA
2003 FMRI Software Library (FSL) Course, Los Angeles, CA

Professional Review Activities:

Ad-Hoc Reviewer (selected): Acta Psychiatrica Scandinavica, American Journal of Psychiatry, Australian and New Zealand Journal of Psychiatry, Behavioral Brain Research, Biological Psychiatry, Biological Psychiatry: CCNI, BMC Psychiatry, Brain Imaging and Behavior, Brain Research Bulletin, Brain Structure and Function, British Journal of Psychiatry, Developmental Science, Frontiers in Neuroscience, Frontiers in Human Neuroscience, Human Brain Mapping, JAMA Psychiatry, Journal of Cognitive Neuroscience, Journal of American Academy of Child and Adolescent Psychiatry, Journal of Psychiatry and Neuroscience, Molecular Psychiatry, Neuroimage, Neurobiology of Aging, Neurobiology of Disease, Neuroscience and Biobehavioral Reviews, Neurotoxicity Research, Molecular Psychiatry; Progress in Neuropsychopharmacology and Biological Psychiatry, Psychiatry Research, Psychiatry Research: Neuroimaging, Schizophrenia Bulletin, Schizophrenia Research

Federal Funding Agencies: National Science Foundation, NIMH Special Interest Panel, NIMH APDA Study section (ad hoc), NIMH Reviewer Conflict Panel, Special Emphasis Panel BBBP-S, Special Emphasis Panel BBP S 90

Other Funding Agencies: Swiss National Science Foundation, The Wellcome Trust (U.K), Leading Fellows Panel (LFP; Netherlands), Center for Medical Cannabis Research

Publications:

* denotes work of a trainee under my supervision

In Submission/Revision:

1. Barth C, Kelly S, Nerland S, Jahanshad N, Alloza C, Ambrogio S, Andreassen OA, Andreou D, Arango C, Baeza I, Banaj N, Bearden CE, Berk M, Bohman H, Castro-Fornieles J, Chye Y, Crespo-Facorro B, de la Serna E, Diaz-Caneja CM, Gurholt TP, Hegarty CE, James A, Janssen J, Johannessen C, Jonsson EG, **Karlsgodt KH**, Kochunov P, Lois NG, Lundberg M, Myhre AM, Pascual-Diaz S, Piras F, Smelror RE, Spalleta G, Stokkan TS, Sugranyes G, Sui C, Thomopoulos SI, Tordesillas-Gutierrez D, Vecchio D, Wedervang-Resell K, Wortinger LA, Thompson PM, Agartz I, "In vivo white matter microstructure in adolescents with early-onset psychosis: a multi-site mega analysis via the ENIGMA consortium", submitted
2. Heller NA, Frazier KE, Bielski L, Richardson I, Green-Rooks J, **Karlsgodt KH**, The MotherScholarCollective, "Wellbeing of academic mothers with young children during the COVID-19 pandemic", submitted
3. Patel PK, Thies MB, Moyett A, Arkin S, Currin DL, DeRosse P, **Karlsgodt KH**, "Individual differences in optimal risk-taking in early psychosis", submitted*
4. Currin DL, Hart KP, Gupta MW, Patel PK, Leathem LD, **Karlsgodt KH**, "The role of anhedonia in predicting risk taking behavior in university students", submitted*

In Press or Epub

1. Karlsgodt KH, "Early Risk Factors in Early-Onset Psychosis", In: Adolescent Psychosis: Clinical and neuroscientific perspectives, Ingrid Agartz and Runar Smelror (Eds.), Elsevier, in press

Peer-Reviewed Journal Articles (reverse chronological order)

2022

1. Millard SJ, Bearden CE, **Karlsgodt KH**, Sharpe MJ: The prediction-error hypothesis of schizophrenia: new data point to circuit specific changes in dopamine activity. *Neuropsychopharmacology* 47(3): 628-640
2. Gurholt TP, Lonning V, Nerland S, Jorgensen KN, Hauvik UK, Alloza C, Arango C, Barth C, Bearden CE, Berk M, Bohman H, Diaz-Caneja CM, Dandash O, Edbom CT, van Erp TGM, Fett A-K, Frangou S, Goldstein BI, Grigorian A, Jahanshad N, James AC, Janssen J, Johannessen C, **Karlsgodt KH**, Kempton MJ, Kochunov P, Krabbendam L, Kyriakopoulos M, Lundberg M, MacIntosh BJ, Rund BR, Smelror RE, Sultan A, Tamnes CK, Thomopoulos SI, Vajdi A, Wedervang-Resell K, Myhre AM, Andreassen OA,

Thompson PM, Agartz I, for the ENIGMA-EOP working group: Intracranial and subcortical volumes in adolescents with early-onset psychosis: A mega-analysis from the ENIGMA Early-Onset Psychosis Working Group, *Human Brain Mapping*, 43(1):373-387, 2022

2021

3. Leathem LD, Currin DL, Montoya AK, **Karlsgodt KH**: Socioemotional mechanisms of loneliness in subclinical psychosis, *Schizophrenia Research* 238:145-151, 2021*
4. Jalal R, Lin A, Eckfeld A, Kushan L, Zinberg J, **Karlsgodt KH**, Cannon TD, Bearden CE: Social Cognition in 22q11.2 Deletion Syndrome and idiopathic developmental neuropsychiatric disorders, *Journal of Neurodevelopmental Disorders* 13(1):15, 2021
5. Bearden CE, **Karlsgodt KH**: Risk and Resilience in Extraordinary Times, *Biological Psychiatry:CNNI*, 6(2):136-138, 2021. (Introduction to co-Edited Special Issue)
6. Patel PK, Leathem LD, Currin DL, **Karlsgodt KH**: Adolescent Development and Early Psychosis: Risk and Resilience Factors, invited review, *Biological Psychiatry** 89(2):184-193, 2021*
7. Barber AD, Hegarty CE, Lindquist M, **Karlsgodt KH**: Heritability of functional connectivity in resting state: Assessment of the dynamic mean, dynamic variance, and static connectivity across networks, *Cerebral Cortex*, 31(6):2834-2844, 2021*

2020

8. Jolles DD, Mennigen E, Gupta MW, Hegarty CE, Bearden CE, **Karlsgodt KH**: Relationships between intrinsic functional connectivity, cognitive control, and academic proficiency across development, *Neuroimage*, 221:117202, 2020*
9. **Karlsgodt KH**: White matter microstructure across the psychosis spectrum, *Trends In Neurosciences*, 43(6):406-416, 2020
10. DeRosse, P, Ikuta T, **Karlsgodt KH**, Szeszko PR, Malhotra AK: History of childhood maltreatment is associated with reduced fractional anisotropy of the accumbens-frontal 'reward' tract in healthy adults. *Brain Imaging Behav*, 14(2):353-361, 2020
11. Mennigen E, Jolles DD, Hegarty CE, Gupta M, Jalbrzikowski M, Olde Loohuis LM, Ophoff RA, **Karlsgodt KH**, Bearden CE: State-dependent functional dysconnectivity in youth with psychosis spectrum symptoms, *Schizophrenia Bulletin*, 46(2):408-421, 2020*

2019

12. Jalbrzikowski M, Freedman D, Hegarty CE, Mennigen E, **Karlsgodt KH**, Olde Loohuis LM, Ophoff RA, Gur RE, Bearden CE.: Structural brain alterations in youth with psychosis and bipolar spectrum symptoms. *J Am Acad Child Adolesc Psychiatry* 58(11):1079-1091, 2019
13. **Karlsgodt, KH**: Using advanced diffusion metrics to probe white matter microstructure in individuals at clinical high risk for psychosis, *American Journal of Psychiatry*, 176(10):777-779, 2019
14. Barber AD, Sarpal DK, John M, Fales CL, Malhotra AK, Mostofsky SH, **Karlsgodt KH**, Lencz T: Age-Normative Pathways of Striatal Connectivity Relate to Clinical Symptoms in the General Population, *Biological Psychiatry*, 85(11):966-975, 2019*
15. Smelror RE, Jørgensen KN, Lonning V, Kelleher I, DeRosse P, **Karlsgodt KH**, Andreassen OA, Lundberg M, Edbom T, Cleland N, Myhre AM, Rund BR, Ueland T Agartz I: Healthy adolescent performance with standardized scoring tables for the MATRICS Consensus Cognitive Battery: A Multisite Study, *Schizophrenia Bulletin*, 45(4):773-783, 2019
16. Hegarty CE, Jolles DD, Mennigen E, Jalbrzikowski M, Bearden CE, **Karlsgodt KH**.: Disruptions in white matter maturation and mediation of cognitive development in youths on the psychosis spectrum, *Biological Psychiatry:CNNI*, 4(5):423-433, 2019*

2018

17. Ikuta T, Del Arco A, **Karlsgodt KH**: White matter integrity in the fronto-striatal accumbens-frontal tract predicts impulsivity, *Brain Imaging and Behavior*, 12(5):1524-1528

18. Barber AD, Lindquist MA, DeRosse P, **Karlsgodt KH**: Dynamic neural states reflecting sub-clinical psychotic experiences, *Biological Psychiatry: CCNI*, 3(5): 443-453, 2018*
19. Uddin LQ, **Karlsgodt KH**: Future directions for examination of brain networks in neurodevelopmental disorders, *Journal of Clinical Child and Adolescent Psychology*, 10:1-15, 2018 (invited review)
20. Lyall AE, Pasternak O, Robinson DGT, Newell D, Trampush JW, Gallego JA, Fava M, Malhotra AK, **Karlsgodt KH**, Kubicki M, Szeszko PR: Greater extracellular free-water in first-episode psychosis predicts better neurocognitive functioning. *Molecular Psychiatry*, 23(3):701-707, 2018
21. **Karlsgodt KH**, Bato AA, Ikuta T, Peters BD, DeRosse P, Szeszko PR, Malhotra AK: Functional activation during a cognitive control task in youth specific to externalizing or internalizing behavior, *Biological Psychiatry:CCNI*, 3(2):133-140*, 2018
22. Blair MA, Moyett A, Bato AA, DeRosse P, **Karlsgodt KH**: The role of executive function in adaptive risk taking on the Balloon Analogue Risk Task, *Developmental Neuropsychology*, 43(7):566-580, 2018*
23. Prendergast DM, **Karlsgodt KH**, Fales CL, Ardekani BA, Szeszko PR: Corpus callosum shape and morphology in youth across the psychosis spectrum, *Schizophrenia Research*, 199:266-273, 2018
24. Blair MA, Nitzburg G, DeRosse P, **Karlsgodt KH**: Relationship between executive function, attachment style, and psychotic like experiences in typically developing youth, *Schizophrenia Research*, 197:428-433, 2018*

2017

25. Sarpal DK, Robinson DG, Fales C, Lencz T, Argyelan M, **Karlsgodt KH**, Gallego JA, John M, Kane JM, Szeszko PR, Mahotra AK: Relationship between duration of untreated psychosis and intrinsic cortico-striatal connectivity in patients with early phase schizophrenia. *Neuropsychopharmacology*, 42(11):2214-2221, 2017
26. Ibrahim AFA, Montojo C, Haut K, **Karlsgodt KH**, Hansen L, Congdon E, Rosser T, Bilder RM, Silva AJ, Bearden CE: Spatial working memory in Neurofibromatosis-1: Altered neural activity and functional connectivity, *Neuroimage: Clinical*, 15: 801-811, 2017
27. Eckfield AS, **Karlsgodt KH**, Haut K, Bachman P, Jalbrzikowski M, Zinberg J, van Erp TGM, Cannon TD, Bearden CE: Disrupted working memory circuitry in early onset psychosis, *Frontiers in Human Neuroscience* 11:394, 2017,
28. Schreiner M, Forsyth JK, **Karlsgodt KH**, Anderson AE, Hirsh N, Kushan L, Uddin LQ, Mattiaccio L, Coman IL, Kates WR, Bearden CE. Intrinsic Connectivity Network-Based Classification and Detection of Psychotic Symptoms in Youth With 22q11.2 Deletions. *Cereb Cortex*. 27(6):3294-3306, 2017
29. DeRosse P, Ikuta T, **Karlsgodt KH**, Peters BD, Gopin CB, Szeszko PR, MalhotraAK. White Matter Abnormalities Associated With Subsyndromal Psychotic-Like Symptoms Predict Later Social Competence in Children and Adolescents. *Schizophr Bull*. 43(1):152-159, 2017

2016

30. Chang EH, Argyelan M, Aggarwal M, Chandon TS, **Karlsgodt KH**, Mori S, Malhotra AK. Diffusion tensor imaging measures of white matter compared to myelin basic protein immunofluorescence in tissue cleared intact brains. *Data Brief* 10:438-443, 2016
31. Chang EH, Argyelan M, Aggarwal M, Chandon TS, **Karlsgodt KH**, Mori S, Malhotra AK. The role of myelination in measures of white matter integrity: Combination of diffusion tensor imaging and two-photon microscopy of CLARITY intact brains. *Neuroimage*. 147:253-261, 2016.
32. Poldrack RA, Congdon E, Triplett W, Gorgolewski KJ, **Karlsgodt KH**, Mumford JA, Sabb FW, Freimer NB, London ED, Cannon TD, Bilder RM. A phenome-wide examination of neural and cognitive function. *Sci Data*. 3:160110, 2016
33. **Karlsgodt KH**: Diffusion Tensor Imaging in Schizophrenia: Progress and Future Directions, *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 1(3):209-217, 2016 (invited review)
34. Schwehm A, Robinson DG, Gallego JA, **Karlsgodt KH**, Ikuta T, Peters BD, Malhotra AK, Szeszko PR: Age and sex effects on white matter tracts in psychosis from adolescence through middle adulthood, *Neuropsychopharmacology* 41(10): 2473-80, 2016
35. Nitzburg GC, Gopin CB, Peters BD, **Karlsgodt KH**, Malhotra AK, DeRosse P: The relationship between

temperament and character and psychotic-like experiences in healthy children and adolescents, *European Psychiatry*, 31:60-5, 2016

36. Sarpal DK, Argyelan M, Robinson D, Szeszko PR, **Karlsgodt KH**, John M, Weissman N, Gallego JA, Kane JM, Lencz T, Malhotra AK: Baseline Striatal Functional Connectivity as a Predictor of Response to Antipsychotic Drug Treatment, *American Journal of Psychiatry*, 173(1): 69-77, 2016

2015

37. **Karlsgodt KH**, John M, Ikuta T, Rigoard P, Peters BD, DeRosse P, Malhotra AK, Szeszko PR: The accumbensofrontal tract: Diffusion tensor imaging characterization and developmental changes from childhood to adulthood, *Human Brain Mapping*, 36(12): 4954-63, 2015
38. Ikuta T, DeRosse P, Argyelan M, **Karlsgodt KH**, Kingsley PB, Szeszko PR, Malhotra AK: Subcortical Modulation in Auditory Processing and Auditory Hallucinations, *Behavioral Brain Research*, 295: 78-81, 2015
39. **Karlsgodt KH**, Bato AA, Blair AA, DeRosse P, Szeszko PR, Malhotra AK: White matter microstructure in the executive network associated with aggression in healthy adolescents and young adults, *Social Cognitive and Affective Neuroscience*, 10(9):1251-6, 2015
40. Haut KM, **Karlsgodt KH**, Bilder RM, Congdon E, Freimer N, London ED, Sabb FW, Ventura J, Cannon TD: Memory systems in schizophrenia: Modularity is preserved but deficits are generalized, *Schizophrenia Research*, 168(1-2):223-30, 2015
41. DeRosse P, **Karlsgodt KH**: Examining the Psychosis Continuum, *Curr Behav Neuroscience Reports*, 2(2):80-89, 2015 (invited review)
42. Spiegel S, Chiu A, James AS, Jentsch JD, **Karlsgodt KH**: Similar recognition memory deficits in mice caused by null mutation of genes coding for BLOC-1 complex subunits pallidin and dysbindin, *Genes Brains and Behavior*, 14 (8): 618-24, 2015*
43. Sarpal D, Robinson D, Lencz T, Argyelan M, Ikuta T, **Karlsgodt KH**, Kane JM, Szeszko PR, Malhotra AK: Antipsychotic treatment and functional connectivity of the striatum: A prospective, controlled study in first-episode schizophrenia, *JAMA Psychiatry*, 72(1):5-13, 2015
44. Montojo CA, Jarbrzikowski M, Congdon E, Domicoli S, Chow C, Dawson C, **Karlsgodt KH**, Bilder RM, Bearden CE: Neural substrates of inhibitory control deficits in 22q11.2 deletion syndrome, *Cereb Cortex*, 25(4):1069-79, 2015
45. Peters BD, **Karlsgodt KH**: White matter development in the early stages of psychosis, *Schizophrenia Research*, 161(1):61-9, 2015 (invited review)

2014

46. DeRosse P, Ikuta T, Peters BD, **Karlsgodt KH**, Szeszko PR, Malhotra AK: Adding insult to injury: Childhood and adolescent risk factors for psychosis predict lower fractional anisotropy in the superior longitudinal fasciculus in healthy adults, *Psychiatry Research*, 224(3):296-302, 2014
47. **Karlsgodt KH**, van Erp TGM, Bearden CE, Cannon TD: Altered age-related trajectories in functional brain activation in healthy adolescents and those at risk for psychosis, *Psychiatry Research: Neuroimaging*, 221(1):21-9, 2014
48. Jarbrzikowski M, Villalon-Reina JE, **Karlsgodt KH**, Senturk D, Chow C, Thompson PM, Bearden CE: Altered white matter microstructure is associated with social cognition and psychotic symptoms in 22q11.2 microdeletion syndrome, *Frontiers in Behavioral Neuroscience*, 8, 393, 2014
49. Congdon E, Altshuler LL, Mumford JA, **Karlsgodt KH**, Sabb FW, Ventura J, McGough JJ, London ED, Cannon TD, Bilder RM, Poldrack RA: Neural activation during response inhibition in adult attention-deficit/hyperactivity disorder: Preliminary findings on the effects of medication and symptom severity, *Psychiatry Research*, 222(1-2): 17-28, 2014
50. Ikuta T, Peters BD, Guha S, John M, **Karlsgodt KH**, Lencz T, Szeszko PR, Malhotra AK: A schizophrenia risk gene, ZNF804A, is associated with brain white matter microstructure, *Schizophrenia Research*, 155(1-3):15-20, 2014
51. Peters BD, Voineskos AN, Szeszko PR, Lett TA, DeRosse P, Guha S, **Karlsgodt KH**, Ikuta T, Felsky D, John M, Kennedy JL, Lencz T, Malhotra AM: Brain white matter development is associated with a human-specific haplotype increasing the synthesis of long chain fatty acids, *Journal of Neuroscience*, 34(18):6367-

76, 2014

52. White CN, Congdon E, Mumford JA, **Karlsgodt KH**, Sabb FW, Freimer NB, London ED, Cannon TD, Bilder RM, Poldrack RA: Decomposing decision components in the stop-signal task: A model-based approach to individual differences in inhibitory control, *Journal of Cognitive Neuroscience*, 26(8):1601-44, 2014
53. Montojo, CA, Ibrahim A, **Karlsgodt KH**, Chow C, Hilton AE, Jonas RK, Vesagas TK, Bearden CE: Disrupted working memory circuitry and psychotic symptoms in 22q11.2 deletion syndrome, *Neuroimage: Clinical* 4:392-402, 2014
54. Helfinstein SM, Schonberg T, Congdon E, **Karlsgodt KH**, Mumford JA, Sabb FW, Cannon TD, London ED, Bilder RM, Poldrack RA: Predicting risky choices from brain activity patterns, *Proceedings of the National Academy of Sciences*:111(7):2470-5, 2014

2013

55. Congdon E, Bato AA, Schonberg T, Mumford JA, **Karlsgodt KH**, Sabb FW, London ED, Cannon TD, Bilder RM, Poldrack RA: Differences in Neural Activation as a Function of Risk-taking Task Parameters, *Frontiers in Decision Neuroscience*, 7:173. doi: 10.3389/fnins.2013.00173, 2013
56. Schreiner MJ, **Karlsgodt KH**, Uddin LQ, Chow C, Congdon E, Jalbrzikowski M, Bearden CE: Default mode network connectivity and reciprocal social behavior in 22q11.2 deletion syndrome, *Social Cognitive and Affective Neuroscience*, 9(9): 1261-7, 2013

2012

57. **Karlsgodt KH**, Rosser T, Lutkenhoff ES, Cannon TD, Silva AC, Bearden CE: Alterations in white matter microstructure in Neurofibromatosis-1, *PLoS-One*, 7(10), 2012
58. Lutkenhoff E*, **Karlsgodt KH***, Stein J, Thompson P, Cannon TD, Jentsch JD, Structural and functional neuroimaging phenotypes in dysbindin mutant mice, *Neuroimage* 62(1):120-9, 2012
59. **Karlsgodt KH**, Jacobson SC, Seal M, Fusar-Poli, P: The Relationship of Developmental Changes in White Matter to the Onset of Psychosis. *Current Pharmaceutical Design*, 18(4):422-32, 2012 (invited review)*
60. Bearden CE, **Karlsgodt KH**, Bachman P, van Erp TG, Winkler AM, Glahn DC: Genetic Architecture of Declarative Memory: Implications for Complex Illnesses. *Neuroscientist*, 18(5):516-32, 2012 (invited review)
61. Gee DG, **Karlsgodt KH**, van Erp TG, Bearden CE, Lieberman MD, Belger A, Perkins DO, Olvet DM, Cornblatt BA, Constable T, Woods SW, Addington J, Cadenhead KS, McGlashan TH, Seidman LJ, Tsuang MT, Walker EF, Cannon TD; on behalf of the NAPLS Consortium. Altered age-related trajectories of amygdala-prefrontal circuitry in adolescents at clinical high risk for psychosis: A preliminary study, *Schizophrenia Research*, 134(1):1-9, 2012

2011

62. Kochunov P, Glahn DC, Lancaster J, Winkler A, **Karlsgodt KH**, Olvera RL, Curran JE, Carless MA, Dyer TD, Almasy L, Duggirala R, Fox PT, Blangero J, Blood Pressure and Cerebral White Matter Share Common Genetic Factors in Mexican Americans, *Hypertension*, 57(2): 330-5, 2011
63. **Karlsgodt KH***, Robleto K*, Trantham-Davidson H*, Jairl C, Cannon TD, Lavin A**, Jentsch JD**: Reduced dysbindin expression mediates NMDA receptor hypofunction and impaired working memory performance, *Biological Psychiatry*, 69: 28-34, 2011
64. **Karlsgodt KH**, Bachman P, Winkler AM, Bearden CE, Glahn DC: Genetic influence on the working memory circuitry: Behavior, structure, function, and extension to illness. *Behavioural Brain Research*, 225(2):610-22, 2011 (invited review)*

2010

65. Mittal VA, **Karlsgodt KH**, Zinberg J, Cannon TD, Bearden CE: Identification and treatment of a pineal region tumor in an adolescent with prodromal psychotic symptoms, *American Journal of Psychiatry*, 167(9):1033-7, 2010
66. **Karlsgodt KH**, Kochunov P, Winkler AM, Almasy L, Duggirala R, Olvera RL, Fox PT, Blangero J, Glahn DC: A multimodal assessment of the genetic control over working memory, *Journal of Neuroscience*, 30(24) 8197-202, 2010
67. Shilyansky C, **Karlsgodt KH**, Cummings D, Sidiropoulou K, Hardt M, James AS, Ehninger D, Bearden CE,

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1. **Karlsgodt, KH**: Working Memory, in *Brain Mapping: An Encyclopedic Reference*, Ed, Arthur Toga, Ph.D. Elsevier, 2015
2. **Karlsgodt KH**, Ellman LM, Sun D, Mittal V, Cannon TD: The Neurodevelopmental Hypothesis of Schizophrenia, in *Schizophrenia: The Final Frontier- Festschrift for Robin M. Murray*, Eds A.S David , P McGuffin, S Kapur, Psychology Press, 2011
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Oral Presentations (selected)

1. Investigations at the Subclinical End of the Psychosis Spectrum, UCLA Psychosis Colloquium, March, 2022
2. Examining the Psychosis Spectrum, McLean Hospital, April 2021
3. Examining the Psychosis Spectrum, University of Alabama Birmingham, Research Day Keynote Address, March 2020 [Cancelled due to COVID-19]
4. Diffusion Imaging: Applications to Behavior and Neuropsychiatric Illness, University of Southern California, Laboratory of Neuroimaging (LONI) 2018
5. Multimodal Evaluation of the Executive Network in Youth with Psychotic Disorders, American College of Neuropsychopharmacology (ACNP), Palm Springs 2017
6. Structural and Functional Connectivity in Adolescent Psychosis, Society for Biological Psychiatry (SOBP), San Diego 2017
7. Diffusion Weighted Imaging: Techniques and applications to patient populations, UCLA Neuroimaging Journal Club, 2017
8. Behavioral and Imaging Investigations of Executive and Reward Networks in Psychosis, West LA, VA Medical Center, 2017
9. Executive and Reward Networks Across the Psychosis Spectrum, UCLA Brain Mapping Seminar, 2017
10. Neuroimaging of Developmental Changes in Decision Making: Implications for Neuropsychiatric Disorders, Department of Psychology, University of Miami, FL, 2015
11. Neuroimaging of Adolescent Development: Implications for Psychiatric Research, Mt Sinai Hospital, New York, NY, 2014
12. Multimodal Imaging of Adolescent Development: Implications for Psychiatric Research, Institute of Living, Hartford CT, 2014
13. Schizophrenia and the Changing Brain, NAMI NorthShore, Family to Family. 2014
14. Diffusion Tensor Imaging Investigations of White Matter Development in Schizophrenia, symposium, *Schizophrenia International Research Conference*, Florence, Italy 2010
15. Neuroimaging of Neurodevelopmental Phenotypes in Schizophrenia, panel presentation, *Winter Conference on Brain Research*, Colorado 2009
16. Diffusion Tensor Imaging of Fronto-parietal Connections in Patients at Ultra-high Risk for Schizophrenia, *International Congress on Schizophrenia Research*, Colorado, 2007
17. The Relationship Between Behavior and fMRI Signal During a Working Memory Task in Patients with

Schizophrenia, Unaffected Co-Twins, and Control Subjects, *SFN*, Washington, D.C., November 2005

18. Diffusion Tensor Imaging of Frontal Lobe White Matter in Patients with Schizophrenia, their Healthy Twins, and Control Subjects, *International Congress on Schiz. Research*, 2005