

Fred W. Sabb, PhD

University of Oregon,
Prevention Science Institute,
1600 Millrace Dr, Suite 103

Eugene, OR 97403
fwsabb@gmail.com
ph:310/844.6458

Professional Experience

UNIVERSITY OF OREGON

<i>Research Associate Professor, Prevention Science Institute</i>	2020-
<i>Assistant Vice President for Research Facilities, Office of the Vice President for Research and Innovation</i>	2019 - 2023
<i>Senior Advisor for Research Implementation, Office of the Vice President for Research and Innovation</i>	2018 - 2019
<i>Director, Robert and Beverly Lewis Center for Neuroimaging</i>	2014 - 2020

UNIVERSITY OF CALIFORNIA, LOS ANGELES

<i>Adjunct Assistant Professor, Department of Psychiatry & Biobehavioral Sciences</i>	2014 - 2016
<i>Assistant Director, Staglin Center for Cognitive Neuroscience MRI Facility</i>	2013 - 2014
<i>Assistant Professor, Department of Psychiatry & Biobehavioral Sciences</i>	2008 - 2014
<i>Assistant Researcher, Center for Cognitive Neuroscience</i>	2007 - 2008
<i>Programmer/Analyst, Brain Mapping Center</i>	1999 - 2001
<i>Research Assistant Center for Brain, Mind, and Behavior, Princeton University</i>	1998 - 1999
<i>Research Assistant Clinical Cognitive Neuroscience Lab, Carnegie-Mellon University</i>	1996 – 1998

Education

NIMH Post-doctoral Training Grant Fellow, UCLA	2005 - 2007
Ph.D. Neuroscience, UCLA	2001 - 2005
B.S. Cognitive Psychology; Carnegie-Mellon University	1992 - 1996

Professional Activities

Memberships:

Organization for Human Brain Mapping 1999-2012, Society for Neuroscience 2000-2006, Association for Psychological Science, 2012-2016; Flux Society, 2015-2024.

Ad-hoc Reviewer:

Abstract Reviewer, Organization for Human Brain Mapping, 2004- 2006; Neuropsychology 2006, Human Brain Mapping, Cerebral Cortex, Neuropsychologia, 2008, Biological Psychiatry, 2009, 2012, 2013, Comprehensive Psychiatry, Psychiatry Research-Neuroimaging, 2010, Schizophrenia Research, 2010-11, Psychopathology, 2011, Neuroscience and Biobehavioral Reviews, 2011, 2012, Cerebral Cortex, 2011, 2012, Psychological Medicine, 2012, Brain, 2012, American Journal of Neuroradiology, 2013, Journal of Neurology and Psychology, 2013; Cortex, 2014; Consciousness and Cognition, 2014; Cortex, 2015; Developmental Cognitive Neuroscience, 2022.

Boards:

Editorial Board, Brain and Behavior Journal, 2011-2022; Board Member, Oregon Chapter of the Society for Neuroscience, 2016-2019.

Selected Other Service Roles:

UCLA Brain Research Institute Faculty, 2009-2014; UCLA Neuroscience Interdepartmental Program Faculty, 2009-2014; UCLA Neuroscience Interdepartmental Program Curriculum Committee, 2010-2012; Executive Committee Member, Staglin Center for Cognitive Neuroscience MRI Facility, 2010-2014; Full Board Member, UO Institutional Review Board, 2014-2017; Local Organizing Committee, Flux Society Congress, Portland Oregon 2017.

Honors, Special Awards, Fellowships

Organization for Human Brain Mapping Travel Award.	2001, 2003, 2004, 2006
UCLA Graduate Division Travel Award,	2004
NIMH Post-doctoral Fellow:	
Psychological Research on Schizophrenic Conditions.	2005 - 2007
UCLA Friends of Semel Institute Travel Award,	2006
UCLA Semel Scholar Award	2008
NARSAD Young Investigator Award	2008

Extramural Funding (within last 6 years)

NIMH R21: Functional Connectivity in Developmental Delay: Shared Etiology and Differential Outcomes. 4/1/2018-3/31/2020, McIntyre, PI, Sabb, mPI.

NSF MAPS: Mapping Non-Response to Math Interventions Resubmission. 3/1/2018-11/30/2023, Clarke, PI; Sabb, Co-PI.

NIMH U01: ProNET: Psychosis-Risk Outcomes Network. 9/8/2020-6/30/2025, PI: Woods (Yale); Sabb, Site PI.

NIMH U01: ProCAN: Psychosis-Risk Outcomes Compound Assessment Network. 6/14/2024-5/31/2029, PI: Woods (Yale); Sabb, Site PI.

Teva Branded Pharmaceutical Products R&D, Inc.: A prospective multicenter study to characterize the natural history of tardive dyskinesia (TD) and investigate the real-world effectiveness of deutetrabenazine on the multidimensional impact of TD; 7/01/2023-6/30/2026; Sabb, Site PI

Karuna Therapeutics: Phase 3 Randomized, Double-blind, Placebo-controlled Study to Evaluate the Safety and Efficacy of Adjunctive KarXT in Subjects with Inadequately Controlled Symptoms of Schizophrenia; 2/01/2024-5/31/2026; Sabb, Site PI

Boehringer Ingelheim: CONNEX-X: Phase III extension trial of BI425809 drug in Schizophrenia; 4/02/2024-12/31/2025; Sabb, Site PI

Vanguard Research Group/Bristol Meyers Squibb: An Open-Label Study to evaluate the efficacy and tolerability of Xanomeline/Trospium in First Episode/Early Phase Schizophrenia Patients; 5/01/2025-12/31/2026; Sabb, Site PI

Peer Reviewed Manuscripts

1. Barch DM, **Sabb FW**, Carter CS, Braver TS, Noll DC, Cohen JD (1999). Overt verbal responding during fMRI scanning: empirical investigations of problems and potential solutions. *NeuroImage* 10(6):642-57.
2. Barch DM, Braver TS, **Sabb FW**, Noll DC, (2000). Anterior cingulate and the monitoring of response conflict: evidence from an fMRI study of overt verb generation. *Journal of Cognitive Neuroscience* 12(2):298-309.
3. Nystrom LE, Braver TS, **Sabb FW**, Delgado MR, Noll DC, Cohen JD (2000). Working memory for letters, shapes, and locations: fMRI evidence against stimulus-based regional organization in human prefrontal cortex. *NeuroImage* 11(5 Pt 1):424-46.
4. Barch DM, Carter CS, Braver TS, **Sabb FW**, MacDonald A, Noll DC, and Cohen JD (2001). Selective deficits in prefrontal cortex function in medication naive patients with Schizophrenia. *Archives of General Psychiatry* 58(3):280-288
5. Bystritsky A, Pontillo D, Powers M, **Sabb FW**, Craske MG, Bookheimer SY. (2001). Functional MRI changes during panic anticipation and imagery exposure. *Neuroreport* 12(18):3953-7
6. Burggren AC, Small GW, **Sabb FW**, Bookheimer SY.(2002). Specificity of brain activation patterns in people at genetic risk for Alzheimer disease. *Am J Geriatr Psychiatry* 10(1):44-51
7. Kroger J, **Sabb F**, Fales C, Bookheimer S, Cohen M, and Holyoak K (2002). Recruitment of dorsolateral and anterior prefrontal cortex in human reasoning: A parametric study of relational complexity. *Cerebral Cortex* May 12(5):477-85

8. Altshuler L, Bookheimer S, Proenza MA, Townsend J, **Sabb F**, Firestone A, Bartzokis G, Mintz J, Mazziotta J, Cohen MS (2005). Increased amygdala activation during mania: a functional magnetic resonance imaging study. *Am J Psychiatry*. Jun;162(6):1211-3.
9. Green MF, Glahn D, Engel SA, Neuchterlein KH, **Sabb F**, Strojwas M, Cohen MS (2005). Regional brain activity associated with visual backward masking. *Journal of Cognitive Neuroscience*, Jan 17:13-23
10. Poldrack R, **Sabb F**, Foerde K, Tom S, , Asarnow R, Bookheimer S, and Knowlton B (2005). The neural correlates of automaticity during motor skill learning. *Journal of Neuroscience*, 25(22).
11. Altshuler LL, Bookheimer SY, Townsend J, Proenza MA, Eisenberger N, **Sabb F**, Mintz J, Cohen MS (2005). Blunted activation in orbitofrontal cortex during mania: a functional magnetic resonance imaging study. *Biol Psychiatry*. Nov 15;58(10):763-9.
12. **Sabb FW**, Bilder RM, Chou M, and Bookheimer SY (2007). Working memory effects on semantic processing: Priming differences in pars orbitalis. *NeuroImage* Aug 1;37(1):311-22
13. **Sabb FW**, Bearden CE, Glahn DC, Parker DS, Freimer N, Bilder RM (2008). Phenowiki: A Collaborative Database for Cognitive Phenotype Annotation. *Molecular Psychiatry*, Jan 8th.
14. Foerde K, Poldrack RA, Khan BJ, **Sabb FW**, Bookheimer SY, Bilder RB, Guthrie D, Granholm E, Nuechterlein KH, Marder SR, Asarnow, RF (2008). Selective corticostriatal dysfunction in schizophrenia: examination of motor and cognitive skill learning. *Neuropsychology*, 22(1):100-9.
15. Altshuler L, Bookheimer S, Townsend J, Proenza MA, **Sabb F**, Mintz J, Cohen MS. (2008). Regional brain changes in bipolar I depression: a functional magnetic resonance imaging study. *Bipolar Disord*. Sep;10(6):708-17.
16. Bilder RM, **Sabb FW**, Cannon T, London E, Jenstch JD, Parker DS, Poldrack RA, Evans C, Freimer N,. Phenomics: The systematic study of phenotypes on a genome-wide scale (2009). *Neuroscience*. Nov 24;164(1):30-42.
17. **Sabb FW**, Burggren AC, Higier R, Fox J, He J, Parker DS, Chu W, Cannon TD, Freimer NB, Bilder RM. (2009) Challenges in Phenotype Definition in the Whole-Genome era: Multivariate models of Memory and Intelligence in the healthy population, *Neuroscience* Nov 24;164(1):88-107.
18. Bilder RM, **Sabb FW**, Parker DS, Kalar D, Chu W, Fox J, Poldrack RA. Cognitive ontologies for neuropsychiatric phenomics research. *Cogn Neuropsychiatry*. 2009;14(4-5):419-50. Review.
19. **Sabb FW**, van ERP T, Hardt M, Dapretto M, Caplan R, Cannon TD, and Bearden CE. (2010) Functional neuroimaging of language network dysfunction during discourse processing in individuals at ultra-high risk for psychosis. *Schizophrenia Research*, Feb; 116(2-3):173-183
20. Cohen JR, Asarnow RF, **Sabb FW**, Bilder RM, Bookheimer SY, Knowlton BJ, Poldrack RA. (2010) A unique adolescent response to reward prediction errors. *Nat Neurosci*. Jun;13(6):669-71.
21. Cohen JR, Asarnow RF, **Sabb FW**, Bilder RM, Bookheimer SY, Knowlton BJ, Poldrack RA (2010) Decoding developmental differences and individual variability in response inhibition through predictive analyses across individuals. *Front Hum Neurosci*. Jul 2;4:47.
22. Walshaw PD, Alloy LB, and **Sabb FW** (2010). Executive function in pediatric bipolar disorder and attention-deficit hyperactivity disorder: in search of distinct phenotypic profiles. *Neuropsychol Rev*. Mar;20(1):103-20
23. Bilder RM, Howe A, Novak N, **Sabb FW**, Parker DS. (2011). The genetics of cognitive impairment in schizophrenia: a phenomic perspective. *Trends Cogn Sci*. 2011 Aug 2.
24. Cohen JR, Asarnow RF, **Sabb FW**, Bilder RM, Bookheimer SY, Knowlton BJ, Poldrack RA. (2011). Decoding continuous variables from neuroimaging data: basic and clinical applications. *Front Neurosci*. 2011;5:75
25. Poldrack RA, Kittur A, Kalar D, Miller E, Seppa C, Gil Y, Parker DS, **Sabb FW**, Bilder RM (2011). The cognitive atlas: toward a knowledge foundation for cognitive neuroscience. *Front Neuroinform*. 2011;5:17.
26. Reise S, Moore T, **Sabb FW**, Brown A, and London ED (2013). The Barratt Impulsiveness Scale - 11: Reassessment of its structure in a community sample. *Psychol. Assess*. Jun;25(2):631-42.
27. Bilder RM, Howe A, **Sabb FW**, Parker DS (2013). Multilevel Mechanistic Models from Biology to Psychology: Mission Impossible? *J Abnorm Psychol*. May 6th e-pub.

28. Thakkar K, Congdon C, Poldrack R, **Sabb FW**, London E, Cannon T, Bilder R. (2013). Women are More Sensitive than Men to Prior Trial Events on the Stop Signal Task. *British Journal of Psychology*.
29. E Congdon, AA Bato, T Schonberg, JA Mumford, KH Karlsgodt, **FW Sabb**, ED London T Cannon, RM Bilder, RA Poldrack. (2013) Differences in Neural Activation as a Function of Risk-taking Task Parameters. *Frontiers in Neuroscience* 7, 173
30. **Sabb FW**, Helleman G, Lau D, Vanderlan J, Cohen H, Bilder RM, and McCracken JT (2013). High-Throughput Cognitive Assessment using BrainTest.org: Examining cognitive control in a family cohort. *Brain and Behavior*.
31. 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. *J Cogn Neurosci*. 2014 Jan 9
32. 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. *Proc Natl Acad Sci U S A*. 2014 Feb 18;111(7):2470-5.
33. 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 Res*. 2014 Feb 13
34. Robertson CL, Ishibashi K, Mandelkern MA, Brown AK, Ghahremani DG, **Sabb F**, Bilder R, Cannon T, Borg J, London ED (2015). Striatal D1- and D2-type Dopamine Receptors Are Linked to Motor Response Inhibition in Human Subjects. *J Neurosci*. 2015 Apr 15;35(15):5990-7.
35. Haut KM, Karlsgodt KH, Bilder RM, Congdon E, Freimer NB, London ED, **Sabb FW**, Ventura J, Cannon TD. Memory systems in schizophrenia: Modularity is preserved but deficits are generalized. *Schizophr Res*. 2015 Oct;168(1-2):223-30. doi: 10.1016/j.schres.2015.08.014. Epub 2015 Aug 20. PubMed PMID: 26299707; PubMed Central PMCID: PMC4591239.
36. Kohno M, Okita K, Morales AM, Robertson CL, Dean AC, Ghahremani DG, **Sabb FW**, Rawson RA, Mandelkern MA, Bilder RM, London ED. Midbrain functional connectivity and ventral striatal dopamine D2-type receptors: link to impulsivity in methamphetamine users. *Mol Psychiatry*. 2016 Nov;21(11):1554-1560. doi: 10.1038/mp.2015.223. Epub 2016 Feb 2. PubMed PMID: 26830141; PubMed Central PMCID: PMC4970974.
37. 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*. 2016 Dec 6;3:160110. doi:10.1038/sdata.2016.110. PubMed PMID: 27922632; PubMed Central PMCID: PMC5139672.
38. Trampush JW, Yang ML, Yu J, Knowles E, Davies G, Liewald DC, Starr JM, Djurovic S, Melle I, Sundet K, Christoforou A, Reinvang I, DeRosse P, Lundervold AJ, Steen VM, Espeseth T, Räsänen K, Widen E, Palotie A, Eriksson JG, Giegling I, Konte B, Roussos P, Giakoumaki S, Burdick KE, Payton A, Ollier W, Horan M, Chiba-Falek O, Attix DK, Need AC, Cirulli ET, Voineskos AN, Stefanis NC, Avramopoulos D, Hatzimanolis A, Arking DE, Smyrnis N, Bilder RM, Freimer NA, Cannon TD, London E, Poldrack RA, **Sabb FW**, Congdon E, Conley ED, Scult MA, Dickinson D, Straub RE, Donohoe G, Morris D, Corvin A, Gill M, Hariri AR, Weinberger DR, Pendleton N, Bitsios P, Rujescu D, Lahti J, Le Hellard S, Keller MC, Andreassen OA, Deary IJ, Glahn DC, Malhotra AK, Lencz T. GWAS meta-analysis reveals novel loci and genetic correlates for general cognitive function: a report from the COGENT consortium. *Mol Psychiatry*. 2017 Mar;22(3):336-345. doi: 10.1038/mp.2016.244. Epub 2017 Jan 17. PubMed PMID: 28093568; PubMed Central PMCID: PMC5322272.
39. Hofmeyr A, Monterosso J, Dean AC, Morales AM, Bilder RM, **Sabb FW**, London ED. Mixture models of delay discounting and smoking behavior. *Am J Drug Alcohol Abuse*. 2017 May;43(3):271-280. doi: 10.1080/00952990.2016.1198797. Epub 2016 Jul 20. PubMed PMID: 27439543.
40. Lam M, Trampush JW, Yu J, Knowles E, Davies G, Liewald DC, Starr JM, Djurovic S, Melle I, Sundet K, Christoforou A, Reinvang I, DeRosse P, Lundervold AJ, Steen VM, Espeseth T, Räsänen K, Widen E, Palotie A, Eriksson JG, Giegling I, Konte B, Roussos P, Giakoumaki S,

Burdick KE, Payton A, Ollier W, Chiba-Falek O, Attix DK, Need AC, Cirulli ET, Voineskos AN, Stefanis NC, Avramopoulos D, Hatzimanolis A, Arking DE, Smyrnis N, Bilder RM, Freimer NA, Cannon TD, London E, Poldrack RA, **Sabb FW**, Congdon E, Conley ED, Scult MA, Dickinson D, Straub RE, Donohoe G, Morris D, Corvin A, Gill M, Hariri AR, Weinberger DR, Pendleton N, Bitsios P, Rujescu D, Lahti J, Le Hellard S, Keller MC, Andreassen OA, Deary IJ, Glahn DC, Malhotra AK, Lencz T. Large-Scale Cognitive GWAS Meta-Analysis Reveals Tissue-Specific Neural Expression and Potential Nootropic Drug Targets. *Cell Rep*. 2017 Nov 28;21(9):2597-2613. doi: 10.1016/j.celrep.2017.11.028.

41. Zheutlin AB, Chekroud AM, Polimanti R, Gelernter J, **Sabb FW**, Bilder RM, Freimer N, London ED, Hultman CM, Cannon TD. Multivariate Pattern Analysis of Genotype-Phenotype Relationships in Schizophrenia. *Schizophr Bull*. 2018 Mar 9. doi:10.1093/schbul/sby005. PMID: 29534239
42. **Sabb FW**, Helleman G, Allen NB, and Bearden CE. Enhanced Switching and Familial Susceptibility for Psychosis. *Brain and Behavior*. 8 (6) 2018
43. Davies G, Lam M, Harris SE, Trampush JW, Luciano M, Hill WD, Hagenaars SP, Ritchie SJ, Marioni RE, Fawns-Ritchie C, Liewald DCM, Okely JA, Ahola-Olli AV, Barnes CLK, Bertram L, Bis JC, Burdick KE, Christoforou A, DeRosse P, Djurovic S, Espeseth T, Giakoumaki S, Giddaluru S, Gustavson DE, Hayward C, Hofer E, Ikram MA, Karlsson R, Knowles E, Lahti J, Leber M, Li S, Mather KA, Melle I, Morris D, Oldmeadow C, Palviainen T, Payton A, Pazoki R, Petrovic K, Reynolds CA, Sargurupremraj M, Scholz M, Smith JA, Smith AV, Terzikhan N, Thalamuthu A, Trompet S, van der Lee SJ, Ware EB, Windham BG, Wright MJ, Yang J, Yu J, Ames D, Amin N, Amouyel P, Andreassen OA, Armstrong NJ, Assareh AA, Attia JR, Attix D, Avramopoulos D, Bennett DA, Böhmer AC, Boyle PA, Brodaty H, Campbell H, Cannon TD, Cirulli ET, Congdon E, Conley ED, Corley J, Cox SR, Dale AM, Dehghan A, Dick D, Dickinson D, Eriksson JG, Evangelou E, Faul JD, Ford I, Freimer NA, Gao H, Giegling I, Gillespie NA, Gordon SD, Gottesman RF, Griswold ME, Gudnason V, Harris TB, Hartmann AM, Hatzimanolis A, Heiss G, Holliday EG, Joshi PK, Kähönen M, Kardia SLR, Karlsson I, Kleindam L, Knopman DS, Kochan NA, Konte B, Kwok JB, Le Hellard S, Lee T, Lehtimäki T, Li SC, Liu T, Koini M, London E, Longstreth WT Jr, Lopez OL, Loukola A, Luck T, Lundervold AJ, Lundquist A, Lyytikäinen LP, Martin NG, Montgomery GW, Murray AD, Need AC, Noordam R, Nyberg L, Ollier W, Papenberg G, Pattie A, Polasek O, Poldrack RA, Psaty BM, Reppermund S, Riedel-Heller SG, Rose RJ, Rotter JI, Roussos P, Rovio SP, Saba Y, **Sabb FW**, Sachdev PS, Satizabal CL, Schmid M, Scott RJ, Scult MA, Simino J, Slagboom PE, Smyrnis N, Soumaré A, Stefanis NC, Stott DJ, Straub RE, Sundet K, Taylor AM, Taylor KD, Tzoulaki I, Tzourio C, Uitterlinden A, Vitart V, Voineskos AN, Kaprio J, Wagner M, Wagner H, Weinhold L, Wen KH, Widen E, Yang Q, Zhao W, Adams HHH, Arking DE, Bilder RM, Bitsios P, Boerwinkle E, Chiba-Falek O, Corvin A, De Jager PL, DeBette S, Donohoe G, Elliott P, Fitzpatrick AL, Gill M, Glahn DC, Hägg S, Hansell NK, Hariri AR, Ikram MK, Jukema JW, Vuoksima E, Keller MC, Kremen WS, Launer L, Lindenberg U, Palotie A, Pedersen NL, Pendleton N, Porteous DJ, Räikkönen K, Raitakari OT, Ramirez A, Reinvang I, Rudan I, Dan Rujescu, Schmidt R, Schmidt H, Schofield PW, Schofield PR, Starr JM, Steen VM, Trollor JN, Turner ST, Van Duijn CM, Villringer A, Weinberger DR, Weir DR, Wilson JF, Malhotra A, McIntosh AM, Gale CR, Seshadri S, Mosley TH Jr, Bressler J, Lencz T, Deary IJ. Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. *Nat Commun*. 2018 May 29;9(1):2098. doi:10.1038/s41467-018-04362-x. PMID: 29844566
44. Savage JE, Jansen PR, Stringer S, Watanabe K, Bryois J, de Leeuw CA, Nagel M, Awasthi S, Barr PB, Coleman JRI, Grasby KL, Hammerschlag AR, Kaminski JA, Karlsson R, Krapohl E, Lam M, Nygaard M, Reynolds CA, Trampush JW, Young H, Zabaneh D, Hägg S, Hansell NK, Karlsson IK, Linnarsson S, Montgomery GW, Muñoz-Manchado AB, Quinlan EB, Schumann G, Skene NG, Webb BT, White T, Arking DE, Avramopoulos D, Bilder RM, Bitsios P, Burdick KE, Cannon TD, Chiba-Falek O, Christoforou A, Cirulli ET, Congdon E, Corvin A, Davies G, Deary IJ, DeRosse P, Dickinson D, Djurovic S, Donohoe G, Conley ED, Eriksson JG, Espeseth T, Freimer NA, Giakoumaki S, Giegling I, Gill M, Glahn DC, Hariri AR, Hatzimanolis A, Keller MC, Knowles E, Koltai D, Konte B, Lahti J, Le Hellard S, Lencz T, Liewald DC, London E, Lundervold AJ, Malhotra AK, Melle I, Morris D, Need AC, Ollier W, Palotie A, Payton A, Pendleton N, Poldrack RA, Räikkönen K, Reinvang I, Roussos P, Rujescu D, **Sabb FW**, Scult MA, Smeland OB, Smyrnis N, Starr JM, Steen

- VM, Stefanis NC, Straub RE, Sundet K, Tiemeier H, Voineskos AN, Weinberger DR, Widen E, Yu J, Abecasis G, Andreassen OA, Breen G, Christiansen L, Debrabant B, Dick DM, Heinz A, Hjerling-Leffler J, Ikram MA, Kendler KS, Martin NG, Medland SE, Pedersen NL, Plomin R, Polderman TJC, Ripke S, van der Sluis S, Sullivan PF, Vrieze SI, Wright MJ, Posthuma D. Genome-wide association meta-analysis in 269,867 individuals identifies new genetic and functional links to intelligence. *Nat Genet.* 2018 Jul;50(7):912-919. doi: 10.1038/s41588-018-0152-6. Epub 2018 Jun 25. PMID:29942086
45. Lam M, Trampush JW, Yu J, Knowles E, Djurovic S, Melle I, Sundet K, Christoforou A, Reinvang I, DeRosse P, Lundervold AJ, Steen VM, Espeseth T, R  ikk  nen K, Widen E, Palotie A, Eriksson JG, Giegling I, Konte B, Roussos P, Giakoumaki S, Burdick KE, Payton A, Ollier W, Chiba-Falek O, Attix DK, Need AC, Cirulli ET, Voineskos AN, Stefanis NC, Avramopoulos D, Hatzimanolis A, Arking DE, Smyrnis N, Bilder RM, Freimer NA, Cannon TD, London E, Poldrack RA, **Sabb FW**, Congdon E, Conley ED, Scult MA, Dickinson D, Straub RE, Donohoe G, Morris D, Corvin A, Gill M, Hariri AR, Weinberger DR, Pendleton N, Bitsios P, Rujescu D, Lahti J, Hellard SL, Keller MC, Andreassen OA, Glahn DC, Malhotra AK, Lencz T. Multi-Trait Analysis of GWAS and Biological Insights Into Cognition: A Response to Hill (2018). *Twin Res Hum Genet.* 2018 Jul 13:1-4. doi: 10.1017/thg.2018.46. [Epub ahead of print] PMID: 30001766
 46. Lam M, Hill WD, Trampush JW, Yu J, Knowles E, Davies G, Stahl E, Huckins L, Liewald DC, Djurovic S, Melle I, Sundet K, Christoforou A, Reinvang I, DeRosse P, Lundervold AJ, Steen VM, Espeseth T, R  ikk  nen K, Widen E, Palotie A, Eriksson JG, Giegling I, Konte B, Hartmann AM, Roussos P, Giakoumaki S, Burdick KE, Payton A, Ollier W, Chiba-Falek O, Attix DK, Need AC, Cirulli ET, Voineskos AN, Stefanis NC, Avramopoulos D, Hatzimanolis A, Arking DE, Smyrnis N, Bilder RM, Freimer NA, Cannon TD, London E, Poldrack RA, **Sabb FW**, Congdon E, Conley ED, Scult MA, Dickinson D, Straub RE, Donohoe G, Morris D, Corvin A, Gill M, Hariri AR, Weinberger DR, Pendleton N, Bitsios P, Rujescu D, Lahti J, Le Hellard S, Keller MC, Andreassen OA, Deary IJ, Glahn DC, Malhotra AK, Lencz T. Pleiotropic Meta-Analysis of Cognition, Education, and Schizophrenia Differentiates Roles of Early Neurodevelopmental and Adult Synaptic Pathways. *Am J Hum Genet.* 2019;105(2):334-350. doi:10.1016/j.ajhg.2019.06.012
 47. Woods SW, Bearden CE, **Sabb FW**, Stone WS, Torous J, Cornblatt BA, Perkins DO, Cadenhead KS, Addington J, Powers III AR, Mathalon DH, Calkins ME, Wolf DH, Corcoran CM, Horton LE, Mittal VA, Schiffman J, Ellman LM, Strauss GP, Mamah D, Choi J, Pearlson GD, Shah JL, Fusar-Poli P, Arango C, Perez J, Koutsouleris N, Wang J, Kwon JS, Walsh BC, McGlashan TH, Hyman SE, Gur RE, Cannon TD, Kane JM, Anticevic A. Counterpoint. Early intervention for psychosis risk syndromes: Minimizing risk and maximizing benefit. *Schizophrenia Research.* 2020; <https://doi.org/10.1016/j.schres.2020.04.020>.
 48. Wilkey, E. D., Shanley, L., **Sabb, F.**, Ansari, D., Cohen, J. C., Men, V., Heller, N. A., & Clarke, B. Sharpening, focusing, and developing: a study of change in nonsymbolic number comparison skills and math achievement in 1 grade. *Developmental Science*, 2022; 25 e13194. <https://doi.org/10.1111/desc.13194>
 49. Smith, J., Wilkey, E., Clarke, B., Shanley, L., Men, V., Fair, D., & **Sabb, F. W.** (2022). Can this data be saved? Techniques for high motion in resting state scans of first grade children. *Developmental Cognitive Neuroscience*, 58, 101178.
 50. Nurmi EL, Laughlin CP, de Wit H, Palmer AA, MacKillop J, Cannon TD, Bilder RM, Congdon E, **Sabb FW**, Seaman LC, McElroy JJ, Libowitz MR, Weafer J, Gray J, Dean AC, Helleman GS, London ED. Polygenic contributions to performance on the Balloon Analogue Risk Task. *Mol Psychiatry.* 2023 Aug;28(8):3524-3530. doi: 10.1038/s41380-023-02123-x. Epub 2023 Aug 15. PMID: 37582857; PMCID: PMC10618088.
 51. Woods SW, Parker S, Kerr MJ, Walsh BC, Wijtenburg SA, Prunier N, Nunez AR, Buccilli K, Mourgues-Codern C, Brummitt K, Kinney KS, Trankler C, Szacilo J, Colton BL, Ali M, Haidar A, Billah T, Huynh K, Ahmed U, Adery LL, Marcy PJ, Allott K, Amminger P, Arango C, Broome MR, Cadenhead KS, Chen EYH, Choi J, Conus P, Cornblatt BA, Glenth  j LB, Horton LE, Kambeitz J, Kapur T, Keshavan MS, Koutsouleris N, Langbein K, Lavoie S, Diaz-Caneja CM, Mathalon DH, Mittal VA, Nordentoft M, Pasternak O, Pearlson GD,

Gaspar PA, Shah JL, Smesny S, Stone WS, Strauss GP, Wang J, Corcoran CM, Perkins DO, Schiffman J, Perez J, Mamah D, Ellman LM, Powers AR 3rd, Coleman MJ, Anticevic A, Fusar-Poli P, Kane JM, Kahn RS, McGorry PD, Bearden CE, Shenton ME, Nelson B, Calkins ME, Hendricks L, Bouix S, Addington J, McGlashan TH, Yung AR; Accelerating Medicines Partnership Schizophrenia. Development of the PSYCHS: Positive SYmptoms and Diagnostic Criteria for the CAARMS Harmonized with the SIPS. *Early Interv Psychiatry*. 2024 Apr;18(4):255-272. doi: 10.1111/eip.13457. Epub 2023 Aug 28. PMID: 37641537; PMCID: PMC10899527.

52. Olson, LT; Kaufman, DAS; **Sabb, FW**; London, ED; Bilder, RM. Reactivity to Loss and Its Relationship to Clinical Symptoms of ADHD in Adults. *Journal of the International Neuropsychological Society*, 29, s1,643-644,2023, Cambridge University Press
53. Wannan CMJ, Nelson B, Addington J, Allott K, Anticevic A, Arango C, Baker JT, Bearden CE, Billah T, Bouix S, Broome MR, Buccilli K, Cadenhead KS, Calkins ME, Cannon TD, Cecci G, Chen EYH, Cho KIK, Choi J, Clark SR, Coleman MJ, Conus P, Corcoran CM, Cornblatt BA, Diaz-Caneja CM, Dwyer D, Ebdrup BH, Ellman LM, Fusar-Poli P, Galindo L, Gaspar PA, Gerber C, Glenthøj LB, Glynn R, Harms MP, Horton LE, Kahn RS, Kambeitz J, Kambeitz-Ilankovic L, Kane JM, Kapur T, Keshavan MS, Kim SW, Koutsouleris N, Kubicki M, Kwon JS, Langbein K, Lewandowski KE, Light GA, Mamah D, Marcy PJ, Mathalon DH, McGorry PD, Mittal VA, Nordentoft M, Nunez A, Pasternak O, Pearlson GD, Perez J, Perkins DO, Powers AR 3rd, Roalf DR, **Sabb FW**, Schiffman J, Shah JL, Smesny S, Spark J, Stone WS, Strauss GP, Tamayo Z, Torous J, Upthegrove R, Vangel M, Verma S, Wang J, Rossum IW, Wolf DH, Wolff P, Wood SJ, Yung AR, Agurto C, Alvarez-Jimenez M, Amminger P, Armando M, Asgari-Targhi A, Cahill J, Carrión RE, Castro E, Cetin-Karayumak S, Mallar Chakravarty M, Cho YT, Cotter D, D'Alfonso S, Ennis M, Fadnavis S, Fonteneau C, Gao C, Gupta T, Gur RE, Gur RC, Hamilton HK, Hoftman GD, Jacobs GR, Jarcho J, Ji JL, Kohler CG, Lalouis PA, Lavoie S, Lepage M, Liebenthal E, Mervis J, Murty V, Nicholas SC, Ning L, Penzel N, Poldrack R, Polosecki P, Pratt DN, Rabin R, Rahimi Eichi H, Rath Y, Reichenberg A, Reinen J, Rogers J, Ruiz-Yu B, Scott I, Seitz-Holland J, Srihari VH, Srivastava A, Thompson A, Turetsky BI, Walsh BC, Whitford T, Wigman JTW, Yao B, Yuen HP, Ahmed U, Byun AJS, Chung Y, Do K, Hendricks L, Huynh K, Jeffries C, Lane E, Langholm C, Lin E, Mantua V, Santorelli G, Ruparel K, Zoupou E, Adasme T, Addamo L, Adery L, Ali M, Auther A, Aversa S, Baek SH, Bates K, Bathery A, Bayer JMM, Beedham R, Bilgrami Z, Birch S, Bonoldi I, Borders O, Borgatti R, Brown L, Bruna A, Carrington H, Castillo-Passi RI, Chen J, Cheng N, Ching AE, Clifford C, Colton BL, Contreras P, Corral S, Damiani S, Done M, Estradé A, Etuka BA, Formica M, Furlan R, Geljic M, Germano C, Getachew R, Goncalves M, Haidar A, Hartmann J, Jo A, John O, Kerins S, Kerr M, Kesselring I, Kim H, Kim N, Kinney K, Krcmar M, Kotler E, Lafanechere M, Lee C, Llerena J, Markiewicz C, Matnejl P, Maturana A, Mavambu A, Mayol-Troncoso R, McDonnell A, McGowan A, McLaughlin D, McIlhenny R, McQueen B, Mebrahtu Y, Mensi M, Hui CLM, Suen YN, Wong SMY, Morrell N, Omar M, Partridge A, Phassouliotis C, Pichiechio A, Politi P, Porter C, Provenzano U, Prunier N, Raj J, Ray S, Rayner V, Reyes M, Reynolds K, Rush S, Salinas C, Shetty J, Snowball C, Tod S, Turra-Fariña G, Valle D, Veale S, Whitson S, Wickham A, Youn S, Zamorano F, Zavaglia E, Zinberg J, Woods SW, Shenton ME. Accelerating Medicines Partnership® Schizophrenia (AMP® SCZ): Rationale and Study Design of the Largest Global Prospective Cohort Study of Clinical High Risk for Psychosis. *Schizophr Bull*. 2024 Apr 30;50(3):496-512. doi: 10.1093/schbul/sbae011. PMID: 38451304; PMCID: PMC11059785.
54. Dean AC, Pochon JB, Bilder RM, **Sabb FW**, Congdon E, Ghahremani D, Karlsgodt KH, van Erp TGM, Schwarzlose RF, Cannon TD, Freimer NB, London ED. Convergent Validity of Experimental Cognitive Tests in a Large Community Sample. *Assessment*. 2024 Nov

10:10731911241283410. doi: 10.1177/10731911241283410. Epub ahead of print. PMID: 39523501.

55. Allott K, Yassin W, Alameda L, Billah T, Borders O, Buccilli K, Carrión RE, Castillo-Passi RI, Cho KIK, Chin K, Coleman MJ, Colton BL, Corral S, Dwyer D, Gundersen KB, Gur RC, Hoftman GD, Jacobs GR, Kelly S, Lewandowski KE, Marcy PJ, Matneja P, McLaughlin D, Nunez AR, Parsa S, Penzel N, Ray S, Reinen JM, Ruparel K, Sand MS, Santorelli G, Seitz-Holland J, Spark J, Tamayo Z, Thompson A, Tod S, Wannan CMJ, Wickham A, Wood SJ, Zoupou E, Addington J, Anticevic A, Arango C, Breitborde NJK, Broome MR, Cadenhead KS, Calkins ME, Chen EYH, Choi J, Conus P, Corcoran CM, Cornblatt BA, Ellman LM, Fusar-Poli P, Gaspar PA, Gerber C, Glenthøj LB, Horton LE, Hui CLM, Kambeitz J, Kambeitz-Ilankovic L, Keshavan M, Kim SW, Koutsouleris N, Kwon JS, Langbein K, Mamah D, Diaz-Caneja CM, Mathalon DH, Mittal VA, Nordentoft M, Pearlson GD, Perkins DO, Perez J, Powers AR 3rd, Rogers J, **Sabb FW**, Schiffman J, Shah JL, Silverstein SM, Smesny S, Strauss GP, Thompson JL, Upthegrove R, Verma SK, Wang J, Wolf DH, Pasternak O, Bouix S, McGorry PD, Kane JM, Kahn RS, Bearden CE, Shenton ME, Woods SW, Nelson B; Accelerating Medicines Partnership® Schizophrenia (AMP® SCZ); Stone WS. Cognitive assessment in the Accelerating Medicines Partnership® Schizophrenia Program: harmonization priorities and strategies in a diverse international sample. *Schizophrenia (Heidelb)*. 2025 Mar 24;11(1):49. doi: 10.1038/s41537-025-00578-1. PMID: 40128256; PMCID: PMC11933323.
56. Harms MP, Cho KK, Anticevic A, Bolo NR, Bouix S, Campbell D, Cannon TD, Cecchi G, Goncalves M, Haidar A, Hughes DE, Izyurov I, John O, Kapur T, Kim N, Kotler E, Kubicki M, Kuperman JM, Laulette K, Lindberg U, Markiewicz C, Ning L, Poldrack RA, Rath Y, Romo PA 3rd, Tamayo Z, Wannan C, Wickham A, Yassin W, Zhou JH, Addington J, Alameda L, Arango C, Breitborde NJK, Broome MR, Cadenhead KS, Calkins ME, Chen EYH, Choi J, Conus P, Corcoran CM, Cornblatt BA, Diaz-Caneja CM, Ellman LM, Fusar-Poli P, Gaspar PA, Gerber C, Glenthøj LB, Horton LE, Hui CLM, Kambeitz J, Kambeitz-Ilankovic L, Keshavan MS, Kim SW, Koutsouleris N, Kwon JS, Langbein K, Mamah D, Mathalon DH, Mittal VA, Nordentoft M, Pearlson GD, Perez J, Perkins DO, Powers AR 3rd, Rogers J, **Sabb FW**, Schiffman J, Shah JL, Silverstein SM, Smesny S, Stone WS, Strauss GP, Thompson JL, Upthegrove R, Verma SK, Wang J, Wolf DH, Kahn RS, Kane JM, McGorry PD, Nelson B, Woods SW, Shenton ME, Wood SJ, Bearden CE; Accelerating Medicines Partnership® Schizophrenia (AMP® SCZ); Pasternak O. The MR neuroimaging protocol for the Accelerating Medicines Partnership® Schizophrenia Program. *Schizophrenia (Heidelb)*. 2025 Apr 2;11(1):52. doi: 10.1038/s41537-025-00581-6. PMID: 40175382; PMCID: PMC11965426
57. Addington J, Liu L, Braun A, Auther A, Calkins ME, Cornblatt BA, Corcoran CM, Fusar-Poli P, Kerr MJ, Mourgues-Codern CV, Nunez AR, Oliver D, Strauss GP, Walsh BC, Alameda LK, Arango C, Breitborde NJK, Broome MR, Cadenhead KS, Carrion RE, Chen EYH, Choi J, Coleman MJ, Conus P, Diaz-Caneja CM, Dwyer D, Ellman LM, Faghankhani M, Gaspar PA, Gerber C, Glenthøj LB, Horton LE, Hui C, Jacobs GR, Kambeitz J, Kambeitz-Ilankovic L, Keshavan MS, Kim SW, Koutsouleris N, Kwon JS, Langbein K, Lewandowski KE, Mamah D, Marcy PJ, Mathalon DH, Mittal VA, Nordentoft M, Pearlson GD, Penzel N, Perez J, Perkins DO, Powers AR 3rd, Rogers J, **Sabb FW**, Schiffman J, Shah JL, Silverstein SM, Smesny S, Stone WS, Thompson A, Thompson JL, Upthegrove R, Verma S, Wang J, Wastler HM, Wickham A, Rossum IW, Wolf DH, Bouix S, Pasternak O, Kahn RS, Bearden CE, Kane JM, McGorry PD, Buccilli K, Nelson B, Shenton ME, Woods SW; Accelerating Medicines Partnership® -Schizophrenia; Yung AR. Sample ascertainment and clinical outcome measures in the Accelerating Medicines Partnership® Schizophrenia Program.

Schizophrenia (Heidelb). 2025 Apr 3;11(1):54. doi: 10.1038/s41537-025-00556-7. PMID: 40180953; PMCID: PMC11968923.

58. Wigman JTW, Ching AE, Chung Y, Eichi HR, Lane E, Langholm C, Vaidyam A, Byun AJS, Haidar A, Hartmann J, Nunez A, Dwyer D, Nasarudin AA, Borders O, Scott I, Tamayo Z, Matneja P, Cho KI, Addington J, Alameda LK, Arango C, Breitborde NJK, Broome MR, Cadenhead KS, Calkins ME, Chen EYH, Choi J, Conus P, Corcoran CM, Cornblatt BA, Diaz-Caneja CM, Ellman LM, Fusar-Poli P, Gaspar PA, Gerber C, Glenthøj LB, Horton LE, Hui CLM, Kambeitz J, Kambeitz-Illankovic L, Keshavan MS, Kim SW, Koutsouleris N, Langbein K, Mamah D, Mathalon DH, Mittal VA, Nordentoft M, Pearlson GD, Perez J, Perkins DO, Powers AR 3rd, Rogers J, **Sabb FW**, Schiffman J, Shah JL, Silverstein SM, Smesny S, Yassin W, Stone WS, Strauss GP, Thompson JL, Upthegrove R, Verma S, Wang J, Wolf DH, Wolff P; Accelerating Medicines Partnership® Schizophrenia (AMP® SCZ); Rowland LM, D'Alfonso S, Pasternak O, Bouix S, McGorry PD, Kahn RS, Kane JM, Bearden CE, Woods SW, Shenton ME, Nelson B, Baker JT, Torous J. Digital health technologies in the accelerating medicines Partnership® Schizophrenia Program. Schizophrenia (Heidelb). 2025 Jun 3;11(1):83. doi: 10.1038/s41537-025-00599-w. PMID: 40461469; PMCID: PMC12134270.
59. Mathalon DH, Nicholas S, Roach BJ, Billah T, Lavoie S, Whitford T, Hamilton HK, Addamo L, Anohkin A, Bekinschtein T, Belger A, Buccilli K, Cahill J, Carrión RE, Damiani S, Dzafic I, Ebdrup BH, Izyurov I, Jarcho J, Jenni R, Jo A, Kerins S, Lee C, Martin EA, Mayol-Troncoso R, Niznikiewicz MA, Parvaz M, Pogarell O, Prieto-Montalvo J, Rabin R, Roalf DR, Rogers J, Salisbury DF, Shaik R, Shankman S, Stevens MC, Suen YN, Swann NC, Tang X, Thompson JL, Tso I, Wenzel J, Zhou JH, Addington J, Alameda L, Arango C, Breitborde NJK, Broome MR, Cadenhead KS, Calkins ME, Castillo-Passi RI, Chen EYH, Choi J, Conus P, Corcoran CM, Cornblatt BA, Diaz-Caneja CM, Ellman LM, Fusar-Poli P, Gaspar PA, Gerber C, Glenthøj LB, Horton LE, Hui CLM, Kambeitz J, Kambeitz-Illankovic L, Keshavan MS, Kim M, Kim SW, Koutsouleris N, Kwon JS, Langbein K, Mamah D, Mittal VA, Nordentoft M, Pearlson GD, Perez J, Perkins DO, Powers AR, **Sabb FW**, Schiffman J, Shah JL, Silverstein SM, Smesny S, Stone WS, Strauss GP, Upthegrove R, Verma SK, Wang J, Wolf DH, Zhang T, Bouix S, Pasternak O, Cho KK, Coleman MJ, Dwyer D, Nunez A, Tamayo Z, Wood SJ, Kahn RS, Kane JM, McGorry PD, Bearden CE, Nelson B, Woods SW, Shenton ME; Accelerating Medicines Partnership® Schizophrenia Program; Light GA. The electroencephalography protocol for the Accelerating Medicines Partnership® Schizophrenia Program: Reliability and stability of measures. Schizophrenia (Heidelb). 2025 Jun 6;11(1):85. doi: 10.1038/s41537-025-00622-0. PMID: 40480970; PMCID: PMC12144291.

Book Chapters

1. Bilder, R.M., Poldrack, R., Parker, D.S., Reise, S.P., Jentsch, J.D., Cannon, T., London, E., **Sabb, F.W.**, Foland, L., Rizk-Jackson, A., Kalar, D., Brown, N., Carstensen, A., Freimer, N. Cognitive Phenomics. In: Wood, S., Allen, N., Pantelis, C. (Eds.), Handbook of Neuropsychology of Mental Disorder. Oxford Press, London.
2. Liu, C, Chu, W.W., **Sabb, FW**, Parker, D.S., Bilder, R.M., Path Knowledge Discovery: Multilevel Text Mining as a Methodology for Phenomics. In: Chu, W.W. (Ed), Data Mining and Knowledge Discovery for Big Data. Springer.
3. Allen, N.B., Fair, D.A., Leve, L., Niell, C., & **Sabb, F.** A developmental science perspective on vulnerability and intervention in youth mental health. In Uhlhaas, and S.J.Wood (Eds.) Youth Mental Health: A Paradigm for Prevention and Early Intervention. Strüngmann Forum Reports, vol. 28, J. R. Lupp, series editor. Cambridge, MA: MIT Press.