

Department of Psychiatry

New Staff

The Center for Sleep & Cognition (CfSC) is pleased to welcome **Jacob Williams**, who is joining our lab through the Northeastern University Co-op Program, and **Jinwon Chang**, an undergraduate research student from Williams College.

We are pleased to announce that **Meghan Good, MD**, has joined our psychiatry faculty here at Beth Israel Deaconess Center. Dr. Good attended medical school at the University of Louisville where she also completed her psychiatric training, receiving numerous awards. This past year she has been our Early Psychosis Fellow, working within the ASPIRE CLINIC, the RE-SET clinic at MGH, and the Discovery Center at the Edinburg Center. She is passionate about her clinical work, research, and teaching. In July, she will be the Medical Director of ASPIRE, as well as an Attending Psychiatrist at the Rabb General Psychiatry Clinic and Bowdoin Center. She is actively involved in her research in schizophrenia.

Austin Pothikamjorn, who recently graduated from Penn, joined the Division of Addiction Psychiatry as a research assistant.

Xiadi Zhai, Harvard Medical Student, spent 8 weeks with the Division of Addiction Psychiatry as a BIDMC Shapiro Scholar.

Julie Byler, DO, joined the Department of Medicine and will be working with the Division of Addiction Psychiatry on their state grant to address Opioid Use Disorder.

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Invited Speaker

Matcheri Keshavan, MD

2025- Invited speaker: Harvard Psychiatry Research Day and Mysell Lecture, "Caring for Psychoses: Known Unknowns and Inconvenient Knowns, Boston, MA.

2025- Schizophrenia Research: Most Cited and Downloaded Paper Award.

2025-The schizophrenia syndrome, circa 2024: What we know and how that informs its nature.

2025- Invited Lecture on Yoga and the Brain Indian Psychiatric Society, on International Yoga day June 21, 2025.

2025- Lecture on "A Career in Psychiatry" at the Anna Medical College, Mauritius on 6/30/2025.

2025- Invited Lecture by the British Indian Psychiatric Association on "Neurobiology of Psychosis Spectrum Disorders: Beyond Dopamine". May 17, 2025.

Dr. Keshavan is a leadership board member and co-chair of the Scientific Committee of the Schizophrenia & Psychosis Action Alliance (S&PAA).

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Honors and Leadership Positions

Seo Ho (Michael) Song, MD, was recently honored with the **Physician Scientist Training Grant** from the **American Academy of Sleep Medicine Foundation** for his project, *Enhancing Sleep Physiology with Noninvasive Brain Stimulation to Restore Cognition in Schizophrenia*.

In addition, **Dr. Song** was selected as a recipient of the **2025 Sleep Research Society First-Time Attendee Award**.

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Clinical Trial Recruitment

Clinical trial recruitment

Continue to recruit for two NIH studies, Clozapine trial and BICEPS study.

The CfSC currently has two active trials:

1. The **Stimulation During Sleep** pilot study has enrolled 71 participants, with 27 having completed the study so far, and we are actively recruiting individuals with schizophrenia.

2. The **Sleep and Emotions** study, supported by K23 funding, has enrolled 136 participants, with 30 having completed the study to date, and we are actively recruiting healthy control participants and individuals with insomnia disorder.

Recruitment, treatment, and follow-up outcome assessments have been completed for the PCORI Comparative Effectiveness Trial of group-based interventions to improve social and community functioning of persons with schizophrenia-spectrum disorders.

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Publications

1. [Putative Mechanisms of Electroconvulsive Therapy in Treatment-Resistant Schizophrenia Examined Using Magnetic Resonance Imaging.](#)
Roy N, Ithal D, Mehta UM, Basavaraju R, Bharath RD, **Bolo NR**, Thirthalli J, Gangadhar BN, Keshavan MS.
Biol Psychiatry Glob Open Sci. 2025 Apr 1;5(4):100494. doi: 10.1016/j.bpsgos.2025.100494. eCollection 2025 Jul.
PMID: 40487782
Free PMC article.
2. [Cerebral perfusion differences in the visual cortex and fusiform subregions across the psychosis spectrum.](#)
Sritharan J, Zeng V, Petr J, Mutsaerts HJ, Hoang D, **Bolo NR**, Ivleva EI, Dai W, Gershon ES, Keedy SK, Parker DA, Trotti RL, McDowell JE, Clementz BA, Tamminga CA, Pearlson GD, Keshavan MS, Lizano P.
Front Psychiatry. 2025 Apr 29;16:1566184. doi: 10.3389/fpsy.2025.1566184. eCollection 2025.
PMID: 40365009
Free PMC article.
3. [The MR neuroimaging protocol for the Accelerating Medicines Partnership® Schizophrenia Program.](#)
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, Laullette K, Lindberg U, Markiewicz C, Ning L, Poldrack RA, Rathi 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-Ilanovic 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.
Schizophrenia (Heidelb). 2025 Apr 2;11(1):52. doi: 10.1038/s41537-025-00581-6.
PMID: 40175382
Free PMC article.
4. [Peripherally acting anti-CGRP monoclonal antibodies attenuate cortical resting-state connectivity in migraine patients.](#)
Szabo E, **Bolo NR**, Borsook D, Burstein R, Ashina S.
Cephalalgia. 2025 Feb;45(2):3331024241313377. doi: 10.1177/03331024241313377.

[Neural fingerprints of data driven cognitive subtypes across the psychosis spectrum: a B-SNIP study.](#)

Meda SA, Dykins MM, Hill SK, Clementz BA, Keedy SK, McDowell JE, Ivleva EI, Gershon ES, Keshavan MS, Tamminga C, Pearlson GD.

Transl Psychiatry. 2025 Jul 2;15(1):224. doi: 10.1038/s41398-025-03422-3.

PMID: 40603295

[Social cognition as a mediator between neurocognition and functional outcome in early course schizophrenia.](#)

Kotwani A, Wojtalik JA, Gunzler DD, Smith MJ, Brown WJ, Honarvar RL, Sajatovic M, Keshavan MS, Eack SM.

Psychiatry Res. 2025 Jun 15;351:116594. doi: 10.1016/j.psychres.2025.116594. Online ahead of print.

PMID: 40544745

[Putative Mechanisms of Electroconvulsive Therapy in Treatment-Resistant Schizophrenia Examined Using Magnetic Resonance Imaging.](#)

Roy N, Ithal D, Mehta UM, Basavaraju R, Bharath RD, Bolo NR, Thirthalli J, Gangadhar BN, Keshavan MS.

Biol Psychiatry Glob Open Sci. 2025 Apr 1;5(4):100494. doi: 10.1016/j.bpsgos.2025.100494. eCollection 2025 Jul.

PMID: 40487782

[The electroencephalography protocol for the Accelerating Medicines Partnership® Schizophrenia Program: Reliability and stability of measures.](#)

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-Ilankovic 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.

Schizophrenia (Heidelb). 2025 Jun 6;11(1):85. doi: 10.1038/s41537-025-00622-0.

PMID: 40480970

[Digital health technologies in the accelerating medicines Partnership® Schizophrenia Program.](#)

Wigman JTW, Ching AE, Chung Y, Eichl 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-Ilankovic 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.

Schizophrenia (Heidelb). 2025 Jun 3;11(1):83. doi: 10.1038/s41537-025-00599-w.

PMID: 40461469

[Brain Age Disparities in Psychosis Across DSM Diagnoses and B-SNIP Biotypes.](#)

Promet L, Meda SA, Alliey-Rodriguez N, Clementz BA, Gershon ES, Hill SK, Ivleva EI, Keedy SK, Keshavan MS, McDowell JE, Parker DA, Tamminga CA, Pearlson GD.

Schizophr Bull. 2025 May 31:sbaf022. doi: 10.1093/schbul/sbaf022. Online ahead of print.

PMID: 40448350

[Impact of Polygenic Interactions With Anticholinergic Burden on Cognition and Brain Structure in Psychosis Spectrum Disorders.](#)

Zhang L, Ivleva EI, Parker DA, Hill SK, Lizano PL, Keefe RSE, Keedy SK, McDowell JE, Pearlson GD, Clementz BA, Keshavan MS, Gershon ES, Tamminga CA, Sweeney JA, Bishop JR.

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PMID: 40432343

[Cholinergic system in schizophrenia: A systematic review and meta-analysis.](#)

Saint-Georges Z, MacDonald J, Al-Khalili R, Hamati R, Solmi M, Keshavan MS, Tuominen L, Guimond S.

Mol Psychiatry. 2025 Jul;30(7):3301-3315. doi: 10.1038/s41380-025-03023-y. Epub 2025 May 20.

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Kansagara D, Hill KP, Yost J, Humphrey LL, Shaw B, Obley AJ, Haeme R, Akl EA, Qaseem A; Population Health and Medical Science Committee of the American College of Physicians; Dunn AS, Jackson CD, Jokela JA, Lee RA, Mackey K, Saini SD, Tschanz MP, Wilt TJ, Etxeandia-Ikobaltzeta I, Shamliyan T, Vigna C. *Ann Intern Med*. 2025 May;178(5):714-724. doi: 10.7326/ANNALS-24-03319. Epub 2025 Apr 4. PMID: 40183677

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*Co-first authors

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