



Jacqueline H. Becker, PhD

Jacqueline H. Becker, Ph.D. is a licensed clinical neuropsychologist and health services researcher at the Icahn School of Medicine at Mount Sinai's Division of General Internal Medicine. She completed her doctoral training at Fordham University in New York, her residency at Harvard Medical School/Massachusetts General Hospital, and a two-year clinical neuropsychology post-doctoral fellowship in the Department of Neurology at Northwell Health. Her research focuses on the bidirectional impact of cognitive impairment

in chronic medical diseases, with a focus on patients with Long COVID. Currently, she is MPI of NIH RECOVER-NEURO, a multi-site randomized controlled trial evaluating treatments for cognitive dysfunction in Long COVID. She is PI of an Alzheimer's Association/National Academy of Neuropsychology grant investigating the Neuropsychological Effects of COVID-19 in Older Adults from Health Disparity Populations. She is also Co-I of various Long COVID initiatives, such as an Agency for Healthcare Research and Quality-sponsored project integrating primary and Long COVID care to improve outcomes for minoritized adults in New York City and a NIH/National Institute of Neurological Disorders and Stroke award to identify the long-term neurological effects of COVID-19 using 7 Tesla multimodal neuroimaging. Finally, Dr. Becker has been an expert panelist and keynote speaker for SAMHSA's Policy to Action-Long COVID meetings for three consecutive years, as well as a member of the National Academies of Science, Engineering, and Medicine's Committee on the Long Term Health Effects of COVID-19 and Implications for the Social Security Administration.

Position

ASSISTANT PROFESSOR | Medicine, General Internal Medicine

Research Topics

Alzheimer's Disease, Brain, Brain Imaging, Cognitive Neuroscience, Coronavirus, Depression, Epilepsy, Health Services Research, Memory, Neural Networks, Neuro-degeneration/protection, Neurobiology, Neuroscience, Patient Centered Outcomes Research, Prefrontal Cortex, Psychiatry, Rehabilitation, Stroke

Publications

1: Becker JH, Lin JJ, Doernberg M, Stone K, Navis A, Festa JR, Wisnivesky JP. Assessment of Cognitive Function in Patients After COVID-19 Infection. *JAMA Netw Open*. 2021 Oct 1;4(10):e2130645. doi: 10.1001/jamanetworkopen.2021.30645. PMID: 34677597; PMCID: PMC8536953.

2: Becker JH, Feldman JM, Arora A, Busse PJ, Wisnivesky JP, Federman AD. Cognition, symptom perception, and medication non-adherence in older adults with asthma. *J Asthma*. 2022

Mar;59(3):607-615. doi: 10.1080/02770903.2020.1856867. Epub 2020 Dec 7. PMID: 33249956; PMCID: PMC8180526.

3: Becker JH, Lin JJ, Twumasi A, Goswami R, Carnavali F, Stone K, Rivera-Mindt M, Kale MS, Naasan G, Festa JR, Wisnivesky JP. Greater executive dysfunction in patients post-COVID-19 compared to those not infected. *Brain Behav Immun*. 2023 Nov;114:111-117. doi: 10.1016/j.bbi.2023.08.014. Epub 2023 Aug 14. PMID: 37586567.

4: Langan MT, Smith DA, Verma G, Khagai O, Saju S, Rashid S, Ranti D, Markowitz M, Belani P, Jette N, Mathew B, Goldstein J, Kirsch CFE, Morris LS, Becker JH, Delman BN, Balchandani P. Semi-automated Segmentation and Quantification of Perivascular Spaces at 7 Tesla in COVID-19. *Front Neurol*. 2022 Apr 1;13:846957. doi: 10.3389/fneur.2022.846957. PMID: 35432151; PMCID: PMC9010775.

5: Becker JH, Ezratty C, Jahan N, Goel M, Harris YT, Lin JJ. The impact of cognitive impairment on self-regulatory styles in breast cancer survivors. *Psychooncology*. 2021 Jun;30(6):970-978. doi: 10.1002/pon.5633. Epub 2021 Feb 8. PMID: 33484026; PMCID: PMC8178171.

6: Becker JH, Shemesh E, Shenoy A, Posillico A, Knight CS, Kim SK, Florman SS, Schiano T, Annunziato RA. The Utility of a Pre-Transplant Psychosocial Evaluation in Predicting Post-Liver Transplant Outcomes. *Prog Transplant*. 2021 Mar;31(1):4-12. doi: 10.1177/1526924820978605. Epub 2020 Dec 4. PMID: 33272096; PMCID: PMC7946723.

7: Wisnivesky JP, Becker JH, Ankam J, Markowitz SB, Doernberg M, Dickens B, Busse P, Crowley L, Federman A, Katz C, Weiss JJ, Gonzalez A. The Relationship Between Post-Traumatic Stress Disorder and Self-Management Behaviors in World Trade Center Workers with Asthma. *J Allergy Clin Immunol Pract*. 2022 Jan;10(1):242-249. doi: 10.1016/j.jaip.2021.08.035. Epub 2021 Sep 14. PMID: 34534721; PMCID: PMC8973280.

8: Federman AD, Becker JH, Mindt MR, Cho D, Curtis L, Wisnivesky J. Rates of Undiagnosed Cognitive Impairment and Performance on the Montreal Cognitive Assessment Among Older Adults in Primary Care. *J Gen Intern Med*. 2023 Aug;38(11):2511-2518. doi: 10.1007/s11606-023-08102-w. Epub 2023 Feb 22. PMID: 36814049; PMCID: PMC10465418.

9: Knopman DS, Laskowitz DT, Koltai DC, Charvet LE, Becker JH, Federman AD, Wisnivesky J, Mahncke H, Van Vleet TM, Bateman L, Kim DY, O'Steen A, James M, Silverstein A, Likhnygina Y, Rich J, Feger BJ, Zimmerman KO. RECOVER-NEURO: study protocol for a multi-center, multi-arm, phase 2, randomized, active comparator trial evaluating three interventions for cognitive dysfunction in post-acute sequelae of SARS-CoV-2 infection (PASC). *Trials*. 2024 May 17;25(1):326. doi: 10.1186/s13063-024-08156-z. PMID: 38755688; PMCID: PMC11098733.