

# The NKInformer



*A newsletter of the Nathan S. Kline Institute for Psychiatric Research*

Donald C. Goff, MD, Director  
Thomas Cunningham, MBA, Deputy Director, Institute Administration

January – March 2025

*Stuart Moss, MLS, Editor*

## ***The Center for Research on Cultural and Structural Equity in Behavioral Health (C-CASE) Brings Equity-Focused Training Statewide***

*Contributed by the C-CASE Health Equity Training Team*

Over the past few months, the C-CASE team has traveled across New York State to provide Health Habitus and Motivational Interviewing (MI) trainings to coordinators in the Children’s Single Point of Access (SPOA) program. SPOAs are essential in linking children and families facing significant emotional challenges to critical services. Our training introduces the Health Habitus Motivational Interviewing (HHMI) model, which integrates MI

techniques with cultural and structural humility. This person-centered model guides staff in providing client care with an understanding of the interconnected cultural and structural contexts that shape each individual. By viewing humility as an ongoing practice and recognizing the identities and experience of both staff and clients, HHMI encourages balanced and collaborative relationships.

*Continued on p.2*



*Photo from the NYC/Long Island training including the C-CASE team members Dr. Crystal Lewis, Dr. Helen-Maria Lekas, Dr. Kerstin (Tine) Pahl, and Zoe Bertone. Team member Sebrena Tate was the photographer and Daniela Galvez is not pictured.*

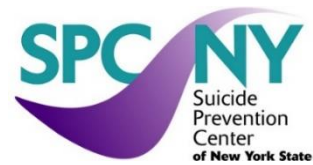
Meeting with such a diverse and dedicated group of staff has been exciting and informative. Each staff member has brought a unique perspective and expertise, enriching the training experience. Early feedback from staff interviews highlights the positive impact of HHMI, not just on improving client interactions but also on personal growth and well-being among staff. The last of five regional training sessions took place in North Country in February. This was the first training since the presidential inauguration, prompting critical discussions about the structural challenges unfolding across the State. While the SPOA grant is coming to an end, the C-CASE team remains excited to continue providing training and support to professionals statewide and to exploring new opportunities to expand HHMI across the State.



*Participants in the CSPOA training in Elizabethtown, NY*



*Dr. Crystal Lewis (R) with training participants*



Additionally, in December C-CASE participated in the Zero Suicide Grant Year 2 Kickoff event in Albany, organized by OMH's [Suicide Prevention Center of New York](#) (SPCNY) as part of a SAMHSA funded suicide prevention grant. This meeting offered a valuable opportunity to gain insights from the multidisciplinary Zero Suicide team and grantees (Certified Community Behavioral Health Clinics from across the State). Experts reviewed the Zero Suicide Model and provided perspectives on key topics such as peer integration, the use of electronic health record systems, the utility of the Columbia Suicide Severity Rating Scale, and gaps in suicide prevention efforts. Looking ahead, C-CASE members are eager to collaborate further with the Zero Suicide team to explore ways to integrate our equity-focused work into their model, enhancing the understanding and contextualization of suicide risk. Notably, both the Zero Suicide team and grantees expressed interest in incorporating elements of our cultural and structural humility training into their organizational trainings and workflows. This represents a meaningful shift from traditional cultural competence training toward a more comprehensive approach to integrating the cultural and structural determinants of patients' lives into more effective suicide prevention services.



*Zoe Bertone (L) and Dr. Marilena Lekas (C) at the Zero Suicide meeting*

## KUDOS

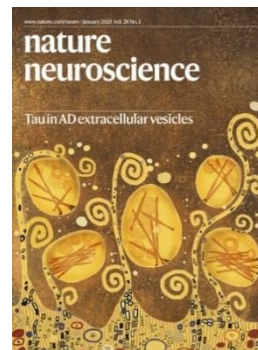
### Dr. Jordan Honored with Presidential Early Career Award for Scientists and Engineers



**Ayana Jordan, MD, PhD** (Social Solutions & Services) has been awarded a prestigious Presidential Early Career Award for Scientists and Engineers (PECASE), the highest honor bestowed by the U.S.

government on early-career scientists who show exceptional promise in their fields and demonstrate leadership in community outreach and mentorship. Dr. Jordan is a Research Psychiatrist in NKI's Social Solutions & Services Research Division and the Barbara Wilson Associate Professor of Psychiatry at NYU Grossman School of Medicine. She also holds a faculty position in NYU's Department of Population Health. Dr. Jordan's research focuses on treatments for substance use disorders in underserved communities and seeks out solutions for a more equitable healthcare system.

**Sharifa Williams, DrPH, MSc, MPH**, a Research Scientist and biostatistician in the Social Solutions & Services Research Division, is featured in *Amstat News*, the membership magazine of the American Statistical Association. Dr. Williams's career path and contributions are highlighted in the magazine's [celebration of Black History Month](#).



The [January issue](#) of *Nature Neuroscience* features a cover image relating to this [article](#) coauthored by **Drs. Efrat Levy** and **Pasquale D'Acunzo** (Dementia Research).

## GRANTS RECEIVED



**Dr. Paul Mathews** (Center for Dementia Research), in collaboration with Dr. Martin Sadowski at NYUGSoM, received an R61 grant from the National Institute on Aging for the project titled "[Off-the-shelf CAR-Engineered Macrophage Therapy for Alzheimer's Disease](#)."



**Dr. Jordan Hamm** (Emotional Brain Institute) transferred to NKI his R01 titled "[Sex differences in microglia-neuron-circuit interactions in adolescence](#)."



**Dr. Hamm's** R01 from the National Eye Institute, "[Circuits for deviance detection in V1](#)," was also transferred to NKI.

# FROM AROUND THE INSTITUTE

## HAPPY RETIREMENT!



**Dr. Pamela Butler** recently retired after working at NKI since 1998. She is thankful for the opportunity to have been part of the NKI family for such a long time and to develop friendships and collaborations with a number of colleagues here. At NKI, she studied perceptual function in schizophrenia, including how aberrant incoming information affects social function and cognition. Her work also examined social reward learning in schizophrenia and found that people with schizophrenia have difficulty using social feedback to guide choices. This may be due to difficulty processing social feedback correctly. Pam is excited to have spearheaded a multisite visual cognitive remediation project for people with schizophrenia. She is grateful for her friends and collaborators at NKI, without whom none of this work would have been possible.

Beyond her research, Pam served on the IRB committee for many years, and more recently on the Community Building Committee (CBC). The CBC has made many important contributions to the NKI community, and Pam was delighted to be a part of that effort. She also served on the executive committee of World Women in Neuroscience ([worldwomenneuro.org](http://worldwomenneuro.org)), an organization to empower women in neuroscience globally.

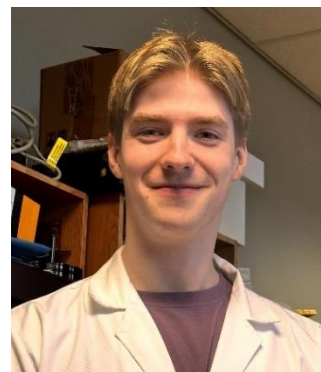
In her retirement, Pam hopes to follow her passion for fiction writing and to pursue clinical work with people with schizophrenia using narrative medicine techniques.

## Scharfman Lab Welcomes New Members

Two research assistants recently joined Dr. Helen Scharfman's lab in the Center for Dementia Research. Please welcome Monarch Rathod and Garrett Smith.

**Monarch Rathod** is a biomedical researcher with a strong interest in neurodegenerative and metabolic diseases. During his master's studies at Rutgers University, he contributed to research on Alzheimer's disease, focusing on the roles

of amyloid  $\beta$ , tau, and vimentin in disease progression. As an undergraduate at Temple University, he participated in a study on Type II diabetes, investigating metabolic stress and sialic acid pathways in relation to the disease. These academic and research experiences have deepened Monarch's passion for research and understanding diseases. He is excited to continue his journey in innovative research as part of Dr. Scharfman's lab.



**Garrett Smith's** life in academia began at SUNY Oneonta, where he earned a degree in biology. Along the way, he completed several semesters of independent research regarding the roles of various M1 and M2 genes in the clearance of apoptotic and bacterial debris in *Drosophila*. Before coming to NKI, Garrett was a microbiologist at the Pfizer complex in Pearl River. Beyond his professional life, he enjoys spending time with his friends and family, trying new food, playing with his cat and dog, and spending time outdoors.

## Science Event at Local School Organized by the NKI Postdoc Committee

*Contributed by Dr. Amanda Labuza on behalf of the NKI Postdoc Committee*

This was our second year participating in Brain Awareness Week! The postdocs organized a science day at South Orangetown Middle School. We had 11 volunteers including technicians, postdocs, and PIs. Every seventh grader got to participate. Students learned about brain anatomy and were able to hold a real human brain. They compared anatomy between species with slides of mouse and human brains. They learned how our neurons and muscles use electricity. We did a memory test with them to teach them about the hippocampus. And we debunked some common brain myths. Students loved the hands-on learning and getting answers to questions like, "Can you be awake during brain surgery?" We even had one student say he wanted to be a neuroscientist!



**Dr. Cristina Siller-Perez (Emotional Brain Institute)** giving students an opportunity to handle a human brain



**Dr. Kate Collins (Clinical Research)** showing students the brains of different animal species



**Dr. Amanda Labuza (Dementia Research)** teaching students about neuroscience research

Also, in December NKI postdocs spread holiday cheer by creating 34 colorful cards for the children at Rockland Children's Psychiatric Center. Their heartfelt messages brought smiles to the kids and uplifted their families during the holiday season.



## PUBLICATIONS OF NOTE

### The American Journal of Psychiatry

**Emily Stern** (Clinical Research), with colleagues at NKI and elsewhere, published these clinical trial results in *The American Journal of Psychiatry*.

Stern ER, Collins KA, Bragdon LB, Eng GK, Recchia N, Coffey BJ, Leibur E, Murrugh JW, Tobe RH, Iosifescu DV, Burdick KE, Goodman WK. [Randomized Controlled Trial of the Effects of High-Dose Ondansetron on Clinical Symptoms and Brain Connectivity in Obsessive-Compulsive and Tic Disorders](#). *Am J Psychiatry*. 2025 Jan 29;appiajp20240294. PMID: 39876680.

### Molecular Psychiatry

**Benedetta Bigio, Carla Nasca** (Dementia Research), and colleagues recently published this paper in *Molecular Psychiatry*. The research was highlighted in a [press release](#) from NYU Langone. Drs. Bigio and Nasca also discussed this work in an [interview on NeurologyLive](#) on Facebook.

Bigio B, Lima-Filho RAS, Barnhill O, Sudo FK, Drummond C, Assunção N, Vanderborght B, Beasley J, Young S, Korman A, Jones DR, Sultzer DL, Ferreira ST, Mattos P, Head E, Tovar-Moll F, De Felice FG, Lourenco MV, Nasca C. [Sex differences in mitochondrial free-carnitine levels in subjects at-risk and with Alzheimer's disease in two independent study cohorts](#). *Mol Psychiatry*. 2025 Jan 7. PMID: 39774493.

### Neuropsychopharmacology

At the intersection of brain, behavior, and therapeutics

**Joshua Siegel** (Biomedical Imaging & Neuromodulation) contributed this Hot Topics article to the latest Reviews issue of *Neuropsychopharmacology*.

Siegel JS. [Precision functional mapping for target engagement in drug development](#). *Neuropsychopharmacology*. 2024 Nov; 50(1):339-340. PMID: 39103494.

### nature mental health

**Michael Milham**, Director of the Center for Biomedical Imaging & Neuromodulation, is co-senior author of this article recently appearing in *Nature Mental Health*.

Vannucci A, Fields A, Heleniak C, Bloom PA, Harmon C, Nikolaidis A et al. [Machine learning for identifying caregiving adversities associated with greatest risk for mental health problems in children](#). *Nature Mental Health* 2025; 3:71-82.

### Hippocampus

This review by **Helen Scharfman** (Dementia Research) appears in *Hippocampus*.

Scharfman HE. [Towards an Understanding of the Dentate Gyrus Hilus](#). *Hippocampus*. 2025 Jan; 35(1):e23677. PMID: 39721944.



**Jordan Hamm** (Emotional Brain Institute) authored this chapter in a recent volume of *Neuromethods* on neuronal ensembles.

Hamm JP. [Analyzing Functional Neuronal Ensembles in a Between-Subjects Paradigm](#). In: Carrillo-Reid L, ed. Identification, Characterization, and Manipulation of Neuronal Ensembles. New York, NY: Humana; 2025. p. 219-34.



**Brian Russ** (Biomedical Imaging & Neuromodulation) is a senior author of this paper recently published in *The Journal of Neuroscience*.

Fujimoto A, Elorette C, Fujimoto SH, Fleysher L, Rudebeck PH, Russ BE. [Pharmacological modulation of dopamine receptors reveals distinct brain-wide networks associated with learning and motivation in non-human primates](#). *J Neurosci*. 2024 Dec 27:e1301242024. PMID: 39730205.



**Robert Smith** (Schizophrenia Research) is a corresponding author of this open access clinical trial report in *The Journal of Clinical Psychiatry*.

Huang J, Chen A, Jin H, Liu F, Hei G, Teng Z, Xiao J, Wu R, Zhao J, Davis JM, Shao P, Smith RC. [Efficacy and Safety of Sulforaphane Added to Antipsychotics for the Treatment of Negative Symptoms of Schizophrenia: A Randomized Controlled Trial](#). *J Clin Psychiatry*. 2025 Jan 20; 86(1):24m15272. PMID: 39832347.



This open access paper published in the *Journal of the American Academy of Child & Adolescent Psychiatry* was coauthored by **Sharifa Williams** (Social Solutions & Services).

Polanco-Roman L, Williams SZ, Ortin-Peralta A. [Does State-Level Structural Racism Impact Risk for Suicide Attempts Among US Adolescents Across Race and Ethnicity?](#) *J Am Acad Child Adolesc Psychiatry*. 2024 Dec 24:S0890-8567(24)02063-X. PMID: 39722340.



**Joshua Kantrowitz** (Schizophrenia Research) coauthored this recent *CNS Drugs* review.

Govil P, Kantrowitz JT. [Negative Symptoms in Schizophrenia: An Update on Research Assessment and the Current and Upcoming Treatment Landscape](#). *CNS Drugs*. 2025 Jan 12. PMID: 39799532.



**Dr. Kantrowitz** is also the senior author of this article in *Pharmaceutical Medicine*.

Yoon J, Mayer MR, Berro T, Brazis S, Kantrowitz JT. [Knowing is Half the Battle: The Factors Leading to Efficient Recruitment of Representative Samples in Schizophrenia Research](#). *Pharmaceut Med*. 2025 Jan 11. PMID: 39794624.



**Ayana Jordan** (Social Solutions & Services) is the senior author of this open access study protocol appearing in *Annals of Medicine*.

Hall OT, Trimble C, Garcia S, Grayson S, Joseph L, Entrup P, Jegede O, Martel JP, Tetrault J, Mathis M, Jordan A. [Who feels safe calling 911: are prior experiences of anti-Black racial discrimination associated with hesitancy seeking emergency medical services in the event of accidental drug overdose? - a study protocol](#). *Ann Med*. 2025 Dec; 57(1):2439540. PMID: 39697058.



The NKI librarian is always available to assist with literature searching, citation searching (Web of Science, Scopus), bibliographic reference management, and the like. When you have any information needs, or questions about available resources, don't hesitate to turn to us.

You can [link to the NKI Library's website](#) from myNKI. The Library site includes quick links to the NYU Health Sciences Library and to the New York State Library, as well as links to NKI's own library resources ([journal finder](#), [online catalog](#), etc.).

## INFO UPDATE

404

Oops... page not found.

One of the unfortunate actions of the Trump administration has been to remove or otherwise scrub numerous federal websites and data sources containing accurate and up to date information, to the detriment of people seeking reliable health information and of science in general. You can get some background on these developments from a number of places, such as the [Harvard T.H. Chan School of Public Health](#), [The Guardian](#), and [The New York Times](#). In response, there have been some efforts to safeguard information and locate alternative sources. For example, see these articles on [Medscape](#) and [The Journalist's Resource](#).



NYU Langone's Neuroscience Institute has been relaunched as the Institute for Translational Neuroscience under the directorship of Paul Glimcher, PhD. The Institute's new name signals the intention to connect basic and translational research networks. For more about neuroscience program developments at NYU, see "[Paul Glimcher, PhD, on a Neuroscience Renaissance](#)" in the Winter issue of *NYU Langone Health News*.



PubMed is designed to optimize search results for casual searchers, but there are times when more advanced search techniques may be helpful or necessary. A new tutorial provides guidance on [phrase searching in PubMed](#). You can find links to this tutorial and much more on the [PubMed Online Training](#) page.



## EVENTS & SEMINARS

### Center for Biomedical Imaging and Neuromodulation Science Series

Held on Mondays at 11 am via Zoom

**Andrew H. Smith, MD, PhD**

Mount Sinai

***Characterizing and correcting circuit level  
deficits underlying compulsivity in humans***

March 17<sup>th</sup>

**Claire Gillan, PhD**

Trinity College, Dublin

***TITLE TBA***

March 24<sup>th</sup>

**Adriana Di Martino, MD**

Child Mind Institute

***TITLE TBA***

April 7<sup>th</sup>

**Arielle Tambini, PhD**

C-BIN @NKI

***TITLE TBA***

April 14<sup>th</sup>

**Michael P. Milham, MD, PhD**

C-BIN Director @NKI

***TITLE TBA***

April 21<sup>st</sup>

**Thomas Funck, PhD**

Child Mind Institute

***TITLE TBA***

April 28<sup>th</sup>

**Karl-Heinz Nenning, PhD**

C-BIN @NKI

***TITLE TBA***

May 5<sup>th</sup>

**Eduardo Gonzalez-Moreira, PhD**

C-BIN @NKI

***TITLE TBA***

May 12<sup>th</sup>

**Alexandre R. Franco, PhD**

C-BIN @NKI

***TITLE TBA***

May 19<sup>th</sup>

The New York State Office of Mental Health (OMH) regularly hosts an interactive video broadcast covering the latest research, technology, and treatment implementation in the fields of psychiatry and psychology. These programs are recorded, and the archived Statewide Grand Rounds programs can be viewed [on the OMH website](#).

# NKI ON THE ROAD



To mark Brain Awareness Week and engage with the local community, two outstanding NKI researchers, **Drs. Amanda Labuza** (Dementia Research) and **Anna MacKay-Brandt** (Clinical Evaluation Center) gave talks at the Nyack Library on March 3<sup>rd</sup>. Dr. Labuza's topic was "Where are we? The state of Alzheimer's research today" and Dr. Mackay-Brandt spoke on "Maintaining Cognitive Health as We Age".



*Dr. MacKay-Brandt presenting at the Nyack Library*

## Statewide Grand Rounds

**Dr. Jean-Pierre Lindenmayer** (Director of the Manhattan Schizophrenia Research Program) was the presenter for the OMH Statewide Grand Rounds on January 15<sup>th</sup>. The topic for the program was "When Clozapine Is Not Enough: Rational Approaches to Augmentation".



**American College of  
Neuropsychopharmacology**

**Dr. Robert Smith** (Schizophrenia Research) presented a poster titled "Effects of 40 Hz tACS Stimulation on Cognition and Symptoms in Patients with Schizophrenia" at the 2024 ACNP meeting in December in Phoenix.



On January 25<sup>th</sup>, **Dr. Joshua Siegel** (Center for Biomedical Imaging & Neuromodulation) was on the faculty for the NYU Langone Psychedelic Medicine Review. His topic was "New Findings on Brain Mechanisms Underlying the Therapeutic Effects of Psychedelic Drugs".



Over the last few months, several NKI faculty members have given talks in a variety of NYU lecture series and events.

- **Dr. Christos Lisgaras** (Center for Dementia Research) spoke about "High Frequency Oscillations in Alzheimer's Disease" at the Neuroscience Weekly Group Meeting on January 22<sup>nd</sup>.
- On February 24<sup>th</sup>, **Dr. Lila Davachi** (Clinical Research) presented on "The wisdom of the unconscious mind: offline reactivation consolidates, integrates and updates knowledge" at a Joint Neuroscience Colloquium.
- At the Department of Child and Adolescent Psychiatry (DCAP) Grand Rounds on February 7<sup>th</sup>, **Dr. Ayana Jordan** (Social Solutions & Services) gave a talk on "Community Based Treatment and Research for Substance Use Disorders in Black and Latine Communities: Forging a Brighter Future".
- Also at the DCAP Ground Rounds, retired Emotional Brain Institute research scientist **Dr. Regina Sullivan** presented on "Neurobiology of Infant Processing of the Parent and Trauma" on February 14<sup>th</sup>.

## NKI PUBLICATIONS UPDATE

Below is a list of references that have been added to the NKI publications database since the previous update. The full database contains over 7,600 items dating back to 1995 and can be searched from the [myNKI website](#).

Allred MJ, Ibrahim KW, Pidikiti H, Chiosis G, Mufson EJ, Stutzmann GE, Ginsberg SD. Down syndrome frontal cortex layer III and layer V pyramidal neurons exhibit lamina specific degeneration in aged individuals. *Acta Neuropathol Commun.* 2024 Nov 27; 12(1):182. PMID: 39605035.

Anguelova GV, Sturma A, Aszmann O, Yildirim MS, Boesendorfer A, Schmidbauer V, Nenning KH, Kasprian G. Reduced interhemispheric connectivity in traumatic brachial plexopathies after bionic reconstruction. *Neuroimage.* 2025 Jan; 305:120989. PMID: 39736430.

Bernard MA, Boutajangout A, Debure L, Ahmed W, Briggs AQ, Boza-Calvo C, Vedvyas A, Marsh K, Bubou OM, Osorio RS, Wisniewski T, Masurkar AV. The relationship between anxiety and levels of Alzheimer's disease plasma biomarkers. *J Alzheimers Dis.* 2024 Dec; 102(4):987-993. PMID: 39604275.

Bernstein HL, Lu YL, Botterill JJ, Duffy ÁM, LaFrancois JJ, Scharfman HE. Field EPSPs of Dentate Gyrus Granule Cells Studied by Selective Optogenetic Activation of Hilar Mossy Cells in Hippocampal Slices. *Hippocampus.* 2025 Jan; 35(1):e23652. PMID: 39665517.

Bigio B, Lima-Filho RAS, Barnhill O, Sudo FK, Drummond C, Assunção N, Vanderborght B, Beasley J, Young S, Korman A, Jones DR, Sultzer DL, Ferreira ST, Mattos P, Head E, Tovar-Moll F, De Felice FG, Lourenco MV, Nasca C. Sex differences in mitochondrial free-carnitine levels in subjects at-risk and with Alzheimer's disease in two independent study cohorts. *Mol Psychiatry.* 2025 Jan 7. PMID: 39774493.

Breu J, Nenning K, Baumann B, Nam D, Woehrer A. GLIOBLASTOMA RESEARCH FROM 1938 TO 2021: INCREASED SURVIVAL, CHANGING TREATMENT REGIMES, AND GENDER DISPARITIES IN AUTHORSHIP. *Neuro-Oncology* 26[Suppl. 5], V131. 2024. [Abstract]

Cejudo JR, Figueredo LF, Scott MR, Lu S, Beiser AS, Ghosh S et al. Platelet aggregation and ApoE genotypes in the Framingham Heart Study. *Alzheimer's and Dementia* 20[Suppl. 1], e092838. 2025. [Abstract]

Christison-Lagay KL, Khalaf A, Freedman NC, Micek C, Kronemer SI, Gusso MM, Kim L, Forman S, Ding J, Aksen M, Abdel-Aty A, Kwon H, Markowitz N, Yeagle E, Espinal E, Herrero J, Bickel S, Young J, Mehta A, Wu K, Gerrard J, Damisah E, Spencer D, Blumenfeld H. The neural activity of auditory conscious perception. *Neuroimage.* 2025 Jan 18:121041. PMID: 39832539.

Dzinalija N, Vriend C, Waller L, Simpson HB, ... Stern ER, ... ENIGMA-OCD consortium; Stein DJ, Thompson PM, Veer IM, van den Heuvel OA. Negative valence in Obsessive-Compulsive Disorder: A worldwide mega-analysis of task-based functional neuroimaging data of the ENIGMA-OCD consortium. *Biol Psychiatry.* 2024 Dec 24:S0006-3223(24)01819-5. PMID: 39725297.

Fujimoto A, Elorette C, Fujimoto SH, Fleysher L, Rudebeck PH, Russ BE. Pharmacological modulation of dopamine receptors reveals distinct brain-wide networks associated with learning and motivation in non-human primates. *J Neurosci.* 2024 Dec 27:e1301242024. PMID: 39730205.

Gandy SE, Castranio EL, Varghese M, Argyrousi EK, Tripathi K, Soderberg L et al. Nonfibrillar Dutch mutant amyloid beta (A $\beta$ ) aggregates (oligomers) are associated with aging-related synaptic dysfunction. *Alzheimer's and Dementia* 20[Suppl. 1], e084937. 2024. [Abstract]

Govil P, Kantrowitz JT. Negative Symptoms in Schizophrenia: An Update on Research Assessment and the Current and Upcoming Treatment Landscape. *CNS Drugs*. 2025 Jan 12. PMID: 39799532.

Grazia A, Dyrba M, Pomara N, Temp AG, Grothe MJ, Teipel SJ; Alzheimer's Prevention Initiative (API) Autosomal-Dominant Alzheimer's Disease (ADAD) Trial. Basal forebrain global functional connectivity is preserved in asymptomatic presenilin-1 E280A mutation carriers: Results from the Colombia cohort. *J Prev Alzheimers Dis*. 2025 Feb; 12(2):100030. PMID: 39863323.

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He H, Razlighi QR, Gazes Y, Habeck C, Stern Y. Network-based amyloid- $\beta$  pathology predicts subsequent cognitive decline in cognitively normal older adults. *bioRxiv [Preprint]*. 2024 Dec 13:2024.12.10.627818. PMID: 39713320.

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Jung J, Dura-Bernal S, Lytton WW, Doherty D, Neymotin S. Recurrent spike patterns and oscillations of in neocortical network model with self-sustained activity. *Journal of Computational Neuroscience* 52, S94-S95. 2024. [Abstract]

Nagre N, Nicholson G, Lockett J, Ly MB, Richards N, Kim WK et al. Pharmacological Activation of Cannabinoid-2 Receptor Reduces Acute Lung Injury and Inflammation Induced by 2-chloroethyl Ethyl Sulfide. *American Journal of Respiratory and Critical Care Medicine* 209, A6849. 2024. [Abstract]

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Siegel JS. Precision functional mapping for target engagement in drug development. *Neuropsychopharmacology*. 2024 Nov; 50(1):339-340. PMID: 39103494.

Sinha A, Gleeson P, Marin B, Dura-Bernal S, Panagiotou S, Crook S, Cantarelli M, Cannon RC, Davison AP, Gurnani H, Silver RA. The NeuroML ecosystem for standardized multi-scale modeling in neuroscience. *Elife*. 2025 Jan 10; 13:RP95135. PMID: 39792574.

Solomonov N, Victoria LW, Mir Z, Phan D, Hoptman MJ, Areán P, Alexopoulos GS, Gunning FM. Brain Activation Associated with Response to Psychotherapies for Late-Life Depression: A Task-Based fMRI Study. *Am J Geriatr Psychiatry*. 2024 Dec 3:S1064-7481(24)00544-X. PMID: 39706745.

Song Y, Miller-Michlits Y, Greutter L, Nenning K, Kiesel B, Loetsch-Gojo D et al. CLONAL ARCHITECTURE, 3D TUMOR GROWTH, TRANSCRIPTIONAL STATES AND IN-VITRO DRUG RESPONSE IN GLIOBLASTOMA. *Neuro-Oncology* 26[Suppl. 5], V31. 2024. [Abstract]

Stern ER, Collins KA, Bragdon LB, Eng GK, Recchia N, Coffey BJ, Leib E, Murrough JW, Tobe RH, Iosifescu DV, Burdick KE, Goodman WK. Randomized Controlled Trial of the Effects of High-Dose Ondansetron on Clinical Symptoms and Brain Connectivity in Obsessive-Compulsive and Tic Disorders. *Am J Psychiatry*. 2025 Jan 29:appiajp20240294. PMID: 39876680.

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