

The NKInformer



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

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

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Stuart Moss, MLS, Editor

New Deputy Director



Dan Iosifescu, MD has been appointed as NKI's new Deputy Director, filling the spot vacated when Dr. Antonio Convit retired in 2024. Dr. Iosifescu is an internationally recognized expert in the study and treatment of mood disorders, and he has headed NKI's Clinical Research Division since 2017. In announcing

the appointment, NKI Director Dr. Don Goff noted that Dr. Iosifescu's "extensive clinical and research experience, sound judgment and personal warmth will be a very welcome addition to our administrative team." Commenting on his appointment, Dr. Iosifescu noted: "In this period when the US scientific community faces unparalleled pressure, we are privileged to be able to continue our scientific work with the support of the NYS Office of Mental Health. I look forward to continuing to work with Dr. Goff and with all the very talented people at NKI to further the very important research mission of our Institute."

NKI Welcomes Nirmala Rayan, PhD



Dr. Nirmala Rayan, whose work focuses on applying integrative, multimodal genomics to neuropsychiatric and neurodegenerative disorders, recently joined NKI's Center for Dementia Research and is in the process of setting up her laboratory. As NKI's Director of Genomics Research, she will be coordinating genomics efforts across NKI. The expertise and tools she brings are intended to be shared resources, and she is eager to collaborate. Dr. Rayan graciously agreed to an introductory Q & A, which can be found on the following page.

Tell us a bit about your research and what eventually led you to NKI.

I'm interested in a question clinicians face every day: why does a treatment work wonders for one patient and do almost nothing for another? And how can we better identify and group patients based on how well they respond to treatment or how advanced their disease is? To get at that, my lab uses tools like single-cell and spatial omics. Think of them as high-resolution maps of the brain that let us see, cell by cell, what's going on under the hood.

What brought me to NKI was the community. It's one thing to do this kind of science in a vacuum, but it's another to do it somewhere so deeply rooted in psychiatry and real-world clinical care. I wanted to be in a place where the lab bench and the clinic are genuinely in conversation, and NKI feels like that kind of bridge.

You've had quite a journey, from India to Singapore and most recently the Broad Institute. How has that shaped how you approach science?

It's kept me on my toes! I did my undergraduate studies and master's in biotechnology in India, and then a PhD at Bharathidasan University through a joint program with the National University of Singapore.

From there, I joined Dr. Shyam Prabhakar's Computational and Systems Biology lab at the Genome Institute of Singapore, where I learned to speak "two languages": wet lab and computational. Now I think through the analysis before designing the experiment, and check whether existing datasets can answer the question before generating new ones. And I read computational results through the lens of the wet lab work that produced them.

Around the same time, I had the good fortune of working with Dr. Michael Meaney across McGill, the Singapore Institute for Clinical Sciences, and the Hope for Depression Research Foundation, studying how antidepressants act on the rodent and primate brain. It was my first taste of connecting molecular findings to something a clinician might care about, and it stuck with me.

What drew me to Dr. Steve McCarroll's lab at the Broad Institute was the chance to work with human postmortem brains at a scale I hadn't seen before: population-scale genomics across 200 donors and 50

brain regions. That breadth taught me what's possible when you pair deep molecular data with real human variation. Through it all, I've wanted to stay close to the translational side of research, and NKI feels like the right place to bring it all together.

What's on the horizon for you at NKI? Any projects you're excited to start?

Early on, my focus is on integrating our single-cell and spatial sequencing tools into the science already happening across NKI. We're making the most of existing single cell platforms, a couple of in-house spatial tools, and adapting some of the newer technologies to fit what we need. None of this is just for one lab. It's a shared resource, and anyone at NKI will be able to use it to look at the whole transcriptome, epigenome, and a wider array of proteins in clinical samples, in fine detail.

On the science side, there are two questions I keep coming back to. One is how cell-type-specific vulnerability shapes treatment response or disease progression. That's where multi-modal genomics, pulling transcriptomic, epigenomic, and proteomic signals together, earns its keep. The other is brain energy metabolism, and how the new metabolic drugs being used in neuropsychiatry might be reshaping circuits like reward.

On collaboration, please come talk to me. If you're working with archived clinical samples or sitting on a tricky question that might benefit from a molecular deep dive, I'd love to hear about it. I just want to know what people here are working on and where I might be useful.

To wrap up, what do you do when you're not in the lab or staring at data?

I'm the new kid on the block in New York. I just moved down from Massachusetts, so I'm still in that early phase of exploring the state. I'm a history buff and a bit of a library hunter, so there's no shortage of rabbit holes to fall into here. I'm also big on the outdoors and hiking, which means if you spot a slightly lost-looking person stooping to inspect the flowers and vegetation around NKI, that's probably me. Something else close to my heart is children's education, and I mentor young people whenever I can. Please don't be a stranger. I'd love to hear your story over a coffee.

KUDOS

Congratulations to **Dr. Emily Stern, PhD**, who has been appointed Director of the NKI Clinical Research Division, replacing Dan Iosifescu (see page 1).

A highly accomplished neuroimager focused on OCD neurobiology, Dr. Stern has also successfully



led treatment studies, making her uniquely qualified to lead the NKI Clinical Research group. Since joining NKI in 2017, she has developed an innovative and impactful

research program focused on identifying the behavioral and neural mechanisms underlying OCD, and on targeting these mechanisms through neuromodulation and pharmacological interventions to influence neural circuit function.

In addition to her own research achievements, Dr. Stern has been a dedicated mentor to several emerging investigators and an active contributor to the NKI research community. She has served on the NKI Community Building Committee and has been one of the organizers of NKI Science Day activities for several years.

GRANTS RECEIVED



Ricardo Osorio, MD (Clinical Research) and **Christos Lisgaras, PhD** (Center for Dementia Research) received a grant from Cure Alzheimer's Fund for the project titled "[Sleep Epileptiform Activity and High-Frequency Oscillations as Early Biomarkers of Alzheimer's Disease](#)".

EVENTS & SEMINARS

NKI Science Day

Science Day aims to bring together faculty, staff, and trainees from all departments here to raise awareness of the ongoing research activities at NKI.

The event will feature select presentations, followed by a comprehensive poster session.

Tuesday, May 5th, 2026
12:30 – 4:30 pm
Miki Kohn Conference Room

Center for Biomedical Imaging and Neuromodulation Science Series

Held on Mondays at 11 am via Zoom

Laura Germine, PhD

Albert Einstein College of Medicine

Title TBA

May 18th

Scott Russo, PhD

Icahn School of Medicine at Mount Sinai

Brain-Body Neuroimmune Mechanisms in Stress and Depression

June 15th

FROM AROUND THE INSTITUTE

Brain Awareness Week Outreach Event



The **Postdoc Committee** organized a Brain Awareness Week outreach event at the South Orangetown Middle School on March 18. NKI scientists taught well over 200 7th graders about brain function and anatomy, with hands-on activities. The students got to see fixed human and animal brain samples that NKI researchers kindly lent for educational purposes. The teens played games to learn how memories are shaped; they were challenged with truth-or-myth games to address common misconceptions about the brain; and they got to experience how motor neurons transmit signals and how movement occurs. Students were also taught about the risks and vulnerabilities to their mental health related to heavy use of screens or smartphones, and the importance of playing and bonding with peers. The NKI team was comprised of **Belén Aburto, Nirmala Arul Rayan, Galit Bleicher, Kate Collins, Andrea Martínez, Kuldeep Sachdeva, and Cristina Siller**. The Postdoc Committee is excited to continue this meaningful work for years ahead! We deeply appreciate our current and former volunteers and supporters who help us give back to our community together. Thank you!

Contributed by the NKI Postdoc Committee



Kuldeep Sachdeva instructing students



Belén Aburto tells students about the brain

Kathleen Shannon Retirement

Kathleen Shannon retired in January after 10 years working at NKI. Many colleagues gathered to mark the occasion and wish Kathleen well.



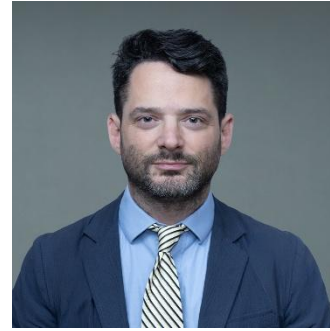
Kathleen (right) celebrating with Janos Piturca and Trisha Somerville.



The American Journal of
Psychiatry

The article by **Joshua Kantrowitz, Daniel Javitt**, and colleagues that was published in the March issue of *The American Journal of Psychiatry* is featured in an [Editor Spotlight video](#) on YouTube.

Dr. Andrew Smith Joins Clinical Research Team



Andrew Smith, MD, PhD, an Assistant Professor in the Department of Psychiatry at NYU, was recently added to NKI's Clinical Research staff. Here is Dr. Smith's description of his already impressive work:

My overarching scientific goal is to reduce the need for trial-and-error based decisions in psychiatric care. To that end, my NIH NRSA-funded graduate work pinpointed novel genomic biomarkers of treatment-response. I brought together a multi-institutional team of addiction psychiatry and pain medicine investigators, successfully identifying and replicating OPRM1 genetic markers associated with opioid agonist dose requirements ([Smith et al., Mol Psych 2017](#)). In a different study, I integrated computational and molecular analyses to establish causal effects of neurotrophin receptor polymorphisms on severity of alcohol withdrawal symptoms ([Smith et al., ACER 2018](#)). Having studied how a fixed genome lays the groundwork for each patient's treatment needs, I now use circuit-level experimental paradigms to track clinically relevant brain features over time. Specifically, I have helped show how circuits respond to pulses of stimulation (Smith et al., *SOBP 2020*), and confirm which targets are best for amelioration of compulsivity ([Smith et al., Brain Stim 2021](#)). My current work, funded by a NIMH K23 CDA, pairs computational modeling with intracranial recordings in psychiatric patients, aiming to reveal the mechanisms by which circuit dysfunctions mediate clinical symptoms. Combining expertise in data-intensive research methodologies with skills in the emerging field of interventional psychiatry, I am optimally positioned to help advance individualized treatment of neuropsychiatric disorders.

INFO UPDATE

Journal of Psychopharmacology

A new article in the *Journal of Psychopharmacology* reviews the contributions and career of Dr. Nathan S. Kline, founder and namesake of what is now NKI!

Junkes L, Shader RI, Nardi AE. [Nathan S. Kline: From the first treatments of psychosis and depression, a 70-year legacy of a pioneer of psychopharmacology](#). *J Psychopharmacol*. 2026 Apr 7.

nature progress brain health

Nature Progress Brain Health, a [new journal](#) from Nature Publishing, is now open for submissions. This journal is part of the newly launched [Nature Progress series](#). It is also seeking editorial board members.

AI Corner

News and warnings about developments in artificial intelligence are now bombarding us on a daily basis. The technology is both wondrous and worrisome, but perhaps the scale tips toward the latter. Following is some food for thought on the subject.

C-BIN Director **Michael Milham** and his Child Mind Institute colleague Greg Kiar recently posted an argument for the ethical use of medical AI technologies on the Child Mind Institute website: [“Commentary: A case for ethical continuity in the age of medical AI”](#).

A recent Tech Fix column in *The New York Times* examines the pernicious infiltration of AI into nearly all of our online activities: [“A.I. is giving you a personalized internet, but you have no say in it”](#).

This *Nature* news feature looks at the widespread problem of fake AI-generated citations: [“Hallucinated citations are polluting the scientific literature. What can be done?”](#)

In this *New York Times* essay ([“There’s a Good Reason You Can’t Concentrate”](#)), **Cal Newport** considers the “negative impact of digital technology on our ability to think” using a nutrition metaphor: “What is a TikTok video if not a digital Dorito?”

Finally, Dr. F. Perry Wilson discusses more AI concerns in two recent posts on his *Medscape Impact Factor* vlog:

[“How to Get ChatGPT to Recommend Thalidomide to a Pregnant Woman”](#)

[“Ready or Not, LLMs Are Coming for Medicine”](#)

PUBLICATIONS OF NOTE

nature communications

This report from the labs of **Chris Cain** and **Rob Sears** (Emotional Brain Institute) came out recently in *Nature Communications*.

Sears RM, Andrade EC, Samels SB, Laughlin LC, Moloney DM, Wilson DA, Alwood MR, Moscarello JM, Cain CK. [Devaluation of response-produced safety signals reveals circuits for goal-directed versus habitual avoidance in dorsal striatum](#). Nat Commun. 2026 Feb 9. PMID: 41663373.



frontiers in Dementia

This mini review by **Masuo Ohno** (Dementia Research) was published late last year in *Frontiers in Dementia*.

Ohno M. [BACE1 at the crossroads of a vicious circle between Alzheimer's disease and diabetes mellitus](#). Front Dement. 2025 Dec 9; 4:1730524. PMID: 41446639.



AGEING RESEARCH REVIEWS

Nunzio Pomara (Geriatric Psychiatry) is a coauthor of this review in *Ageing Research Reviews*.

Pini L, Imbimbo BP, Griffa A, Allali G, Pomara N. [Targeting brain connectivity in Alzheimer's disease with repurposed drugs](#). Ageing Res Rev. 2026 Jan; 114:103001. PMID: 41421724.

Cell Reports

This new article in *Cell Reports* is from the lab of Translational Neuroscience Director **Anna Roe**. **Yuqi Feng** is the first author. The paper describes the mesoscale organization of emotion networks, specifically the organization underlying motor expression, sensory context, internal awareness, and physiological response. These results “underscore the importance of millimeter-scale precision and organization in the diagnosis and treatment of affective disorders” [from the abstract].

Feng Y, Ping A, Yao S, Shi S, Liu M, Evrard HC, Wang J, Roe AW. [Infrared neural stimulation with fMRI in primates reveals mesoscale limbic organization linked to the medial pulvinar](#). Cell Rep. 2026 Apr 3; 45(4):117209. PMID: 41936050.



Neuropsychopharmacology

At the intersection of brain, behavior, and therapeutics

Naomi Gaggi and **David Liebers** (Clinical Research) published this commentary piece in *Neuropsychopharmacology*.

Gaggi NL, Liebers DT. [Imaging brain energetics to advance metabolic psychiatry](#). Neuro-psychopharmacology. 2026 Mar; 51(4):715-717. PMID: 41455769.

The American Journal of
Psychiatry

NKI Director **Donald Goff** contributed this editorial in the March issue of *The American Journal of Psychiatry*.

Goff DC. [With No Surprises From the EMERGENT-4 Trial, Where Do We Go from Here?](#) *Am J Psychiatry*. 2026 Mar 1; 183(3):152-153. PMID: 41764052.

 ANNUAL REVIEW OF VISION SCIENCE

This review in the *Annual Review of Vision Science* was coauthored by **Pamela Butler**, who recently retired after a long career at NKI.

Silverstein SM, Butler PD. [The Early Visual System in Schizophrenia](#). *Annu Rev Vis Sci*. 2026 Mar 5. PMID: 41785292.

**SCHIZOPHRENIA
RESEARCH** A Translational Journal of
the Psychosis Spectrum

The latest paper by **Menahem Krakowski** (Clinical Research) and his frequent collaborator Pal Czobor appears in *Schizophrenia Research*.

Krakowski M, Czobor P. [Disentangling violence in schizophrenia: Interactions between symptom trajectories, conduct disorder, and pharmacotherapy](#). *Schizophr Res*. 2026 Apr; 290:42-47. PMID: 41638158.

nature
medicine

This review by corresponding author **Joshua Siegel** (Biomedical Imaging & Neuromodulation) and colleagues was published in the February issue of *Nature Medicine*.

Siegel JS, Liston C, Nicol GE, Carhart-Harris RL, Bogenschutz MP. [The science of psychedelic medicine](#). *Nat Med*. 2026 Feb; 32(2):449-462. PMID: 41652120.

Cell

Dr. Siegel is also a coauthor of this research article recently published in *Cell*.

Kay BP, Wheelock MD, Siegel JS ... Raichle ME, Barch DM, Fair DA, Dosenbach NUF. [Stimulant medications affect arousal and reward, not attention networks](#). *Cell*. 2025 Dec 24; 188(26):7529-7546.e20. PMID: 41448140.

PNAS

Arielle Tambini (Biomedical Imaging & Neuromodulation) is a coauthor of this article in *PNAS* with colleagues at Brandeis and Mass General.

Ciampa CJ, Morin TM, Parent JH, Adornato A, Cowan JL, O'Malley K, Marcus RE, Gordon C, Howard JD, Tambini A, Cusin C, Hooker J, Berry AS. [Dopaminergic mechanisms supporting hippocampal postencoding dynamics in humans](#). *Proc Natl Acad Sci U S A*. 2026 Feb 10; 123(6):e2526799123. PMID: 41642987.



Vilma Gabbay (Clinical Research) is the first author of this study appearing in *Brain, Behavior, and Immunity – Health*.

Gabbay V, Hills C, Cardozo F, Chance AB, Sharma A, Mowrey W, Baker Z, Qi Q, Burgess HJ, Berman JW, Gange SJ, Gustafson DR, Weber KM, French AL. [The kynurenine pathway in relation to depression and anhedonia symptom severity among women with HIV](#). *Brain Behav Immun Health*. 2026 Feb 16; 53:101199. PMID: 41757375.



Robert Smith (Schizophrenia Research) is a coauthor of this clinical trial published in *JAMA Psychiatry*.

Li X, Lu C, Zhai Z, Smith RC, Zhang S, Wang H, Wang C, Yao Z, Chen Z, Xu X, Xie S, Feng T, Gao T, Dong Y, Zhuo K, Xiang Q, Jin H, Davis JM, Jiang K, Xu Y, Leucht S, Liu D. [Clozapine After 1 Failed Antipsychotic Drug Trial in First- Episode Psychosis: A Randomized Clinical Trial](#). *JAMA Psychiatry*. 2026 Mar 11:e260086. PMID: 41811299.



The latest research from **Christos Lisgaras** and **Helen Scharfman** (Center for Dementia Research) appears in *Alzheimer's & Dementia*.

Lisgaras CP, Scharfman HE. [The cholinergic system exerts opposing effects on memory at different stages of disease progression in Alzheimer's and Down syndrome model systems](#). *Alzheimer's Dement*. 2026 Feb;22(2):e71154. PMID: 41717904.

THE LANCET Psychiatry

Ayana Jordan (Social Solutions & Services) coauthored these two review articles on COVID-19 and mental health in the February issue of *The Lancet Psychiatry*.

Nakimuli-Mpungu E, Arango C, Dandona R, Ford T, John A, Jordan A, Cherop R, Kola L, López-Jaramillo C, Schuster AM, Knapp M, Walbaum M, Opiepie K, Musoro F, White LA, Martsenkovskiy D, Michael BD, O'Connor R; MQ Mental Health Research and The Lancet Psychiatry Standing Commission on the COVID-19 Pandemic and Mental Health; Jones PB. [Policy and public health implications for mental health after the COVID-19 pandemic](#). *Lancet Psychiatry*. 2026 Feb; 13(2):162-174. PMID: 41577421.

Schuster AM, Alwan NA, Callard F, Chen EYH, Gilbody S, Graham BM, Hatch SL, Jones E, Jordan A, Knapp M, López-Jaramillo C, Nakimuli-Mpungu E, Pathare S, Ressler KJ, Wessely S, White LA; MQ Mental Health Research and The Lancet Psychiatry Standing Commission on the COVID-19 Pandemic and Mental Health; Jones PB. [The implications of the COVID-19 pandemic for clinical mental health care](#). *Lancet Psychiatry*. 2026 Feb; 13(2):140-161. PMID: 41577420.



Sharifa Williams (Social Solutions & Services) contributed this paper in *Public Health* with a colleague at Rutgers.

Grafova IB, Williams SZ. [Household economic security and medical debt onset: Lessons from the COVID-19 pandemic](#). *Public Health*. 2026 Feb 6; 253:106173. PMID: 41653803.

Among the authors of this recent article in *Scientific Reports* are **Ricardo Osorio** (senior author), **Naomi Gaggi**, and **Esther Blessing** (Clinical Research).

Figueredo LF, Chen J, Gaggi NL, Song X, Jacobs T, Silva-Albornoz G, Pehel S, Gonzalez M, Badia SG, Rosenzweig I, Naismith SL, Ramos-Cejudo J, Gills J, Ayappa I, Rapoport DM, Kam K, Mullins AE, Parekh A, Varga AW, Bubu OM, Blessing E, Novikov DS, Fieremans E, Osorio RS. [White matter microstructure differences in obstructive sleep apnea severity groups assessed by diffusion tensor metrics and biophysical modeling](#). *Sci Rep*. 2026 Mar 4. PMID: 41781414.

Sleep Medicine
Clinics

Dr. Osorio also coauthored this two-part review in the latest volume of *Sleep Medicine Clinics*.

Rodriguez AJ, Bubu OM, Osorio RS. [Characterizing Sleep-Disordered Breathing by Race and Ethnicity: Phenotypes, Risk, and Clinical Implications - Part 1](#). *Sleep Med Clin*. 2026 Mar; 21(1):63-73. PMID: 41720551.

Rodriguez AJ, Bubu OM, Osorio RS. [Characterizing Sleep-disordered Breathing by Race and Ethnicity: Phenotypes, Risk, and Clinical Implications: Part 2](#). *Sleep Med Clin*. 2026 Mar; 21(1):75-88. PMID: 41720552.

Corresponding author **Adam Hockley**, **Connor Gallimore**, and **Jordan Hamm** (Emotional Brain Institute) coauthored this *bioRxiv* preprint.

Hockley A, Gallimore CG, Hamm JP, Malmierca MS. [Cortical deviance detection represents a canonical difference signal](#). *bioRxiv* [Preprint]. 2026 Jan 6:2026.01.06.697993. PMID: 41542416.



C-BIN Director **Michael Milham** contributed to this paper in *BMC Medical Informatics and Decision Making*.

Konishcheva K, Leventhal BL, Koyama M, Panda S, Vogelstein JT, Milham MP, Lindner AB, Klein A. [Accurate and efficient data-driven psychiatric assessment using machine learning](#). *BMC Med Inform Decis Mak*. 2026 Jan 13; 26(1):40. PMID: 41526920.



Dr. Milham is also the senior contributor of this report in *JAACAP Open*.

Meza JI, Alexander LM, Barkley L, Bath E, Shervington D, Kass M, Henson V, Sebbag D, Sanchez II, Silver JC, Alameddine D, Herrnson A, Liang JX, Webb S, Connell T, Brown E, Morenko S, Samuels R, Leventhal BL, Milham MP. [Addressing Critical Workforce Shortages in Youth Mental Health: Implementation of a Multicomponent Career Development Program](#). *JAACAP Open*. 2025 Oct 16; 4(1):124-139. PMID: 41737759.

NKI ON THE ROAD



Organization For
Computational Neurosciences

Drs. Salvador Dura-Bernal and **Samuel Neymotin** (Center for Biomedical Imaging & Neuro-modulation) were active participants in the [Annual Computational Neuroscience Meeting](#) held last July in Florence, Italy. The meeting proceedings were published recently in the *Journal of Computational Neuroscience* ([vol. 54, suppl.](#)).

The NKI investigators were involved in the following sessions and posters:

ORAL SESSION

Cortical Oscillatory Dynamics in Parkinsonian Networks: Biomarkers and the Potential of Theta Frequency Stimulation. (Jung J.; Doherty D.W.; Newton A.; Galvan A.; Wichmann T.; **Dura-Bernal S.**; Chu H.-Y.; **Neymotin S.**; Lytton W.W.)

TUTORIAL SESSION

Building mechanistic multiscale models with NEURON and NetPyNE. (ORGANIZERS: Robert A. McDougal, **Salvador Dura-Bernal**, William W. Lytton)

POSTERS

Computational framework for analyzing oscillatory patterns in neural circuit models. (Novikov N.; Ekwughalu C.; **Neymotin S.**; **Dura-Bernal S.**)

Hybridizing Machine Reinforcement Learning with Neuromimetic Navigation Systems. (Earl C.; Tannenbaum M.; Anwar H.; Hazan H.; **Neymotin S.**)

Modeling Corticospinal Input Effects on V1-FoxP2 Interneurons in a Go Task Using NetPyNE. (Cadena Parra A.F.; Rivera M.S.; Eleftheriou C.; Baravalle R.; Duguid I.; **Dura-Bernal S.**)

Neuromimetic models of mammalian spatial navigation circuits learn to navigate in complex simulated environments. (Anwar H.; Earl C.; Hazan H.; **Neymotin S.**)

Coupling brain network simulation with pharmacokinetics for Parkinson's disease: towards patient usable digital twins. (Lytton W.; Doherty D.; Newton A.; Jung J.; **Neymotin S.**; **Bernal S.D.**; Wichmann T.; Galvan A.; Chu H.-Y.; Smith Y.; Abdurakhimov H.; Ekstrom J.; Derelov H.P.; Nyman E.; Cedersund G.)

Identifying Cell-Type-Specific Alterations Underlying Schizophrenia-Related EEG Deficits Using a Multiscale Model of Auditory Thalamocortical Circuits. (McElroy S.; Chen J.; Novikov N.; Fernandez-Lopez P.; Suarez-Araujo C.P.; Metzner C.; Javitt D.; **Neymotin S.**; **Dura-Bernal S.**)

Unraveling the neural mechanisms of behavior-related manifolds in a comprehensive model of primary motor cortex circuits. (Roman Baravalle*, Valery Bragin, Nikita Novikov, Wei Xu, Eugenio Urdapilleta, Ian Duguid, **Salvador Dura-Bernal**)



International
Neuropsychological
Society
Founded in 1967

Anna MacKay-Brandt, PhD (Clinical Evaluation Center) presented “[Cardiorespiratory Fitness Predicts Digital Trail Making Test-B: Novel Process Metrics Reveal Selective Executive Benefits](#)” at the International Neuropsychological Society (INS) conference held in Philadelphia in February.



**American College of
Neuropsychopharmacology**

At the ACNP Annual Meeting held on Paradise Island, Bahamas in January, **Jordan Hamm, PhD** (Emotional Brain Institute) gave a panel presentation on “Altered visual processing biomarkers in humans and mice after serotonergic psychedelics point to a reorganization of cortical feedback circuitry”.

In addition, **Robert Smith, MD, PhD** (Schizophrenia Research) presented a poster on the “Effects of Transcranial Direct Current Stimulation (tDCS) on Symptoms and Brain Changes in Patients with Autism”.



Esther Blessing, MD, PhD (Clinical Research) gave the NYU Department of Psychiatry Grand Rounds presentation on February 5. Dr. Blessing’s topic was “Diurnal Thermoregulation as a Control Parameter in Tau and A β Proteostasis”.

Drs. Donald Goff (schizophrenia), **Dan Iosifescu** (depression), and **Ayana Jordan** (substance use disorders) were on the faculty for the 2026 NYU Langone Health Annual Psychopharmacology Review held on March 1.



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 7,800 items dating back to 1995 and can be searched from the [myNKI website](#).

Balachander S, Narayanaswamy JC, Shivakumar V, Abe Y, Alonso P, Backhausen LL, Banaj N, Batistuzzo MC, Benedetti F, Bollettini I, Bravi B, Brem S, Cappi C, Chhatkuli RB, Choi S, Coelho P, Costa AD, Dallaspezia S, Denys D, Diniz JB, Dzinalija N, Eng GK, ... ENIGMA-OCD Working Group; Thomopoulos S, Thompson PM, Stein DJ, van den Heuvel OA, Venkatasubramanian G, Reddy YCJ. Regional cerebellar volumetrics in obsessive-compulsive disorder: An ENIGMA-OCD study. *Biol Psychiatry Cogn Neurosci Neuroimaging*. 2026 Feb 20:S2451-9022(26)00050-9. PMID: 41724351.

Breu J, Baumann B, Sa JK, Berghoff AS, Preusser M, Nenning KH, Woehrer A. Evolving landscape of glioblastoma research: A 75-year bibliometric study on survival, treatment and gender in authorship. *Wien Klin Wochenschr*. 2026 Mar 10. PMID: 41807741.

Bryant BE, Tolou-Shams M, Ezimora I, Zapolski TC, DiClemente R, Jordan A, Becker SJ, Squeglia LM. Adapting substance use treatment for black adolescents in the US legal system: protocol for a mixed-method, exploratory, feasibility and acceptability study using the eight-step ADAPT-ITT framework. *BMJ Open*. 2026 Mar 2; 16(3):e115193. PMID: 41771593.

Bubu OM, Mullins AE, Shah S, Gills JL, Kam K, Parekh A, Umasabor-Bubu OQ, Turner AD, Bernard M, Briggs A, Ramos-Cejudo J, Valkanova E, Mbah AK, Pahari P, Debure L, Ghuman M, Boutajangout A, Williams NJ, Hwang J, Williams MK, Rapoport DM, Ayappa I, de Léon M, Jean-Louis G, Varga AW, Osorio RS. Obstructive sleep apnea severity, Alzheimer's disease plasma markers, and CSF brain amyloidosis and tau pathology. *Alzheimers*

Dement. 2026 Mar; 22(3):e71270. PMID: 41790569.

Byeon K, Park H, Park S, Cluce J, Mehta K, Cieslak M, Cui Z, Hong SJ, Chang C, Smallwood J, Satterthwaite TD, Milham MP, Xu T. Developmental variations in recurrent spatiotemporal brain propagations from childhood to adulthood. *Nat Commun*. 2026 Jan 10; 17(1):1012. PMID: 41519808.

Chaikali S, Guidetti C, Trivedi MH, Shelton RC, Iosifescu DV, et al. Patient treatment preference as a predictor of clinical outcomes in subjects with treatment-resistant depression: a comparative effectiveness research trial for antidepressant incomplete and nonresponders with treatment-resistant depression (ASCERTAIN-TRD). *Int Clin Psychopharmacol*. 2025 Dec 22. PMID: 41546191.

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