

The NKInformer



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

Donald C. Goff, MD, Director
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November – December 2023

Stuart Moss, MLS, Editor

NKI Researchers Are Among the Most Highly Cited



Home to
**Highly Cited
Researchers**
2023



This year, three NKI investigators have been recognized for their exceptionally high-impact research. **Ralph Nixon** (CDR), **Xavier Castellanos** (Clinical Research), and **Michael Milham** (C-BIN) appear on the [2023 list of Highly Cited Researchers](#) compiled by Clarivate. Dr. Nixon joins Drs. Castellanos and Milham, both of whom have appeared on the list every year since 2014.

The Highly Cited Researchers list recognizes the world's most influential researchers of the past decade, demonstrated by the production of multiple highly cited papers that rank in the top 1% by citations for field and year. This select group includes only 1 in 1,000 of the world's researchers – individuals who have demonstrated significant and broad influence in their fields of research.

FROM AROUND THE INSTITUTE

Harm Reduction Study Gets Underway

Dr. Ayana Jordan (Social Solutions & Services) and her team recently held a “kick-off” event for their *Integrated Harm Reduction Intervention (IHRI)* at their community partner site, St. Ann’s Corner of Harm Reduction located in the Bronx.



Dr. Jordan (far right) with members of her team

Conducted in partnership with NKI, this randomized controlled trial is an integrated harm reduction intervention looking at participant initiation and engagement of harm reduction services among Black and Latinx people who use drugs compared to services as usual in two mobile Community Harm Reduction Organizations, in the Bronx, NYC and New Haven, CT. A community-based Community Health Representative will assess the unique needs of each participant (such as housing, food assistance, and mental health treatment) and then link them to appropriate services.



Ralph Nixon, Ju-Hyun Lee, and Ying Jiang (Center for Dementia Research) contributed a comment on a recent [Alzforum article](#) in which the work of the Nixon Lab is mentioned.



On December 7th, **Matthew Hoptman** (Clinical Research) presented in an online program of the [American Foundation for Suicide Prevention](#) moderated by Jill Harkavy-Friedman. The topic of the program was “Suicide Risk and Persons with Psychosis: Affective and Neural Factors”.

New Postdoc Joins Nixon Lab



Pureum Jeon, PhD, is the newest member of the Nixon Lab. Pureum received her doctorate at Hannam University, Department of Biological Science and Biotechnology in Korea. She began her post-doctoral research in Dr. Jin-A Lee’s Laboratory of Molecular Disease in Brain at Hannam University before joining the Nixon lab in September. Pureum’s research focuses on identifying the pathogenesis of Alzheimer’s disease in terms of toxic aggregates generation and degradation in the brain, ultimately to understand and discover therapeutic targets for AD.

Remembering Rosalynn Carter

Former First Lady Rosalynn Carter passed away recently at the age of 96. For many years, she was a leading [advocate for mental health](#) and in 1984 the International Committee Against Mental Illness presented her with the Nathan S. Kline Medal of Merit right here at NKI. In the wake of Nathan Kline's death in 1983, the Medal of Merit was awarded six times between 1983-1992.



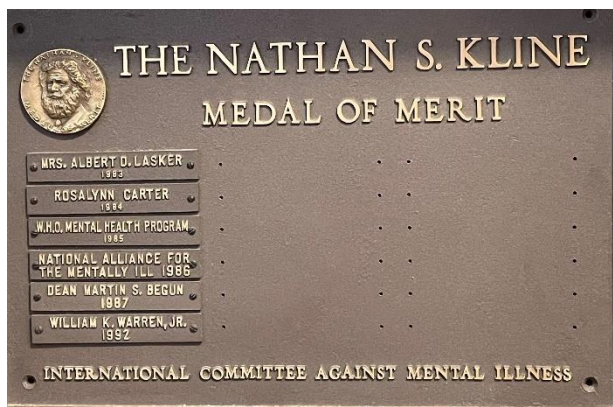
Rosalynn Carter with former NKI Director Dr. Robert Cancro at the award ceremony



NKI's **Community Building Committee** spearheaded the 5th annual food drive to benefit [People to People](#) of Rockland County. NKI staff members contributed over 260 pounds of food and over \$680 in cash for a total of over \$1,450 of needed food for the Rockland County community.



Pam Butler and Melissa Alldred of the Community Building Committee



Staff members of the NKI/OMH Clinical Lab contributed to the food drive

PUBLICATIONS OF NOTE



Vilma Gabbay (Clinical Research) is the senior author of this paper published recently in *The American Journal of Psychiatry*.

Breslow AS, Simkovic S, Franz PJ, Cavic E, Liu Q, Ramsey N, Alpert JE, Cook BL, Gabbay V. [Racial and Ethnic Disparities in COVID-19-Related Stressor Exposure and Adverse Mental Health Outcomes Among Health Care Workers](#). Am J Psychiatry. 2023 Nov 9. PMID: 37941329.

Also in the *AJP*, C-BIN Director **Michael Milham** coauthored this article appearing the November issue. The study was summarized in a blog post ("[U.S. Study Finds Black Patients to Receive the Highest Rates of Psychotic Disorder Diagnoses](#)") from the Child Mind Institute, where Dr. Milham is the Director of Research.

Chung W, Jiang SF, Milham MP, Merikangas KR, Paksarian D. [Inequalities in the Incidence of Psychotic Disorders Among Racial and Ethnic Groups](#). Am J Psychiatry. 2023 Nov 1; 180(11):805-814. PMID: 37789743.

In addition, NKI Director **Donald Goff** coauthored an editorial published in the November issue.

Goff DC, Roffman J, Holt DJ. [Another Step Toward the Prediction of Antipsychotic Treatment Response Using Functional Connectivity](#). Am J Psychiatry. 2023 Nov 1; 180(11):787-788. PMID: 37908095.



This open access paper by **Salvador Dura-Bernal**, **Sam Neymotin**, and other members of the Center for Biomedical Imaging & Neuromodulation was published recently in *Cell Reports*. Dr. Dura-Bernal [posted about the paper](#) on LinkedIn, pointing out their [open source model](#) and the [NetPyNE](#) tool that was developed by some of the authors.

Dura-Bernal S, Griffith EY, Barczak A, O'Connell MN, McGinnis T, Moreira JVS, Schroeder CE, Lytton WW, Lakatos P, Neymotin SA. [Data-driven multiscale model of macaque auditory thalamocortical circuits reproduces in vivo dynamics](#). Cell Rep. 2023 Nov 3; 42(11):113378. PMID: 37925640.



Annie Barczak, **Noelle O'Connel**, and **Charles Schroeder** (C-BIN) contributed this chapter to a new book from Oxford University Press.

Barczak A, O'Connel MN, Schroeder CE. Thalamic Contributions to Multisensory Convergence and Processing. In: Usrey WM, Sherman SM, editors. [The Cerebral Cortex and Thalamus](#). Oxford University Press; 2023. p. 305-16.

Current Biology

Emotional Brain Institute Director **Don Wilson** and **Regina Sullivan** contributed this commentary piece to a recent issue of *Current Biology*.

Wilson DA, Sullivan RM. [Neuroscience: Building better cognition through smell](#). *Curr Biol*. 2023 Oct 23; 33(20):R1049-R1051. PMID: 37875078.



Michael Milham (C-BIN) is the corresponding author of this paper published in *JAMA Network Open*. A corresponding blog ("[Teens and Internet Addiction](#)") was posted by The Child Mind Institute.

Kimball HG, Fernandez F, Moskowitz KA, Kang M, Alexander LM, Conway KP, Merikangas KR, Salum GA, Milham MP. [Parent-Perceived Benefits and Harms Associated with Internet Use by Adolescent Offspring](#). *JAMA Netw Open*. 2023 Oct 2; 6(10):e2339851. PMID: 37883086.

Neuron

Brian Russ (Translational Neuroscience Labs) coauthored this article in *Neuron*.

Zeisler ZR, London L, Janssen WG, Fredericks JM, Elorette C, Fujimoto A, Zhan H, Russ BE, Clem RL, Hof PR, Stoll FM, Rudebeck PH. [Single basolateral amygdala neurons in macaques exhibit distinct connectional motifs with frontal cortex](#). *Neuron*. 2023 Oct 18; 111(20):3307-3320.e5. PMID: 37857091.

Neuroscience & Biobehavioral Reviews

Emily Stern (Clinical Research) is one of the many authors of this open access review in a [special issue](#) of *Neuroscience & Biobehavioral Reviews*.

Schiller D, Yu ANC, Alia-Klein N, Becker S, Cromwell HC, et al. [The Human Affectome](#). *Neurosci Biobehav Rev*. 2023 Nov 2:105450. PMID: 37925091.



Center for Dementia Research Director **Ralph Nixon** co-wrote this commentary article appearing in *Molecular Neurodegeneration*.

Alam JJ, Nixon RA. [Drug development targeting degeneration of the basal forebrain cholinergic system: its time has come](#). *Mol Neurodegener*. 2023 Oct 4; 18(1):74. Erratum in: *Mol Neurodegener*. 2023 Nov 9; 18(1):81. PMID: 37794391.



Russ Tobe, Vilma Gabbay, and other members of the Clinical Research department recently published this paper in the *Journal of Psychiatric Research*.

Tobe RH, Tu L, Keefe JR, Breland MM, Ely BA, Sital M, Richard JT, Tural U, Iosifescu DV, Gabbay V. [Personality characteristics, not clinical symptoms, are associated with anhedonia in a community sample: A preliminary investigation](#). *J Psychiatr Res*. 2023 Oct 27; 168:221-229. PMID: 37922596.

Neurobiology of Disease

Megan Gautier, Stephen Ginsberg, other members of the Ginsberg Lab (Dementia Research), and colleagues, published their latest paper in *Neurobiology of Disease*.

Gautier MK, Kelley CM, Lee SH, Alldred MJ, McDaid J, Mufson EJ, Stutzmann GE, Ginsberg SD. [Maternal choline supplementation protects against age-associated cholinergic and GABAergic basal forebrain neuron degeneration in the Ts65Dn mouse model of Down syndrome and Alzheimer's disease](#). *Neurobiol Dis.* 2023 Oct 26; 188:106332. PMID: 37890559.

Journal of Obsessive-Compulsive and Related Disorders

Emily Stern (Clinical Research) and members of her Psychiatric NeuroCognition Laboratory, with colleagues at the University of Miami, published this paper in the *Journal of Obsessive-Compulsive and Related Disorders*.

Belanger AN, Timpano KR, Eng GK, Bragdon LB, Stern ER. [Associations Between Suicidality and Interoception in Obsessive-Compulsive Disorder](#). *J Obsessive Compuls Relat Disord.* 2023 Oct; 39:100844. PMID: 37901053.

COMPUTATIONAL STATISTICS & DATA ANALYSIS

Sanghan Lee (Dementia Research) coauthored this article published in *Computational Statistics & Data Analysis*.

Kim S, Park S, Lim J, Lee SH. [Robust tests for scatter separability beyond Gaussianity](#). *Computational Statistics & Data Analysis* 2023; 179:107633.

INFO UPDATE

LinkedIn Learning

AI (artificial intelligence) has been a fixture in the news since the rollout of ChatGPT about a year ago. To learn how you might be able to take advantage of this powerful technology in your everyday life, check out this course available on LinkedIn Learning: [“How to Research and Write Using Generative AI Tools”](#).

SAMHSA

Substance Abuse and Mental Health Services Administration

The Substance Abuse and Mental Health Services Administration (SAMHSA) recently released the [2022 National Survey on Drug Use and Health \(NSDUH\)](#). The survey shows how people living in the United States reported about their experience with mental health, substance use, and treatment related behaviors in 2022 and is accompanied by a [high-level brief](#) that includes infographics. See the [press release](#) for a summary of some of the key findings.

PSYCHIATRIC NEWS ALERT

The American Psychiatric Association recently joined three other major medical associations to release two resource documents listing “The Top 10 Things Everyone Should Know About Addiction”. One is [for physicians](#) and the other [for the general public](#).



National Institute of
Neurological Disorders
and Stroke

If you'd like to learn some basics about the brain, [this web page](#) from the National Institute of Neurological Disorders and Stroke is a good place to start. It includes information about how the brain works and its role in human health. Read about stroke, sleep, genes, and other factors that can affect the brain.

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.

The library offers a comfortable, quiet space for reading, work, and small meetings. To use the library's Wi-Fi network, ask the library staff for the password.

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.).

EVENTS & SEMINARS

Center for Biomedical Imaging and Neuromodulation Science Series

Held on Mondays at 11 am via Zoom

Nabin Koirala, PhD

Yale University

***Network level neural perturbation and
possible treatment options in
neurodevelopmental and neurodegenerative
disorders***

December 18th

David Guilfoyle, PhD

NKI

***Can we measure neuronal pH using downfield
proton MR spectroscopy?***

January 22nd [hybrid session]

John (Jack) Martin, PhD

CUNY School of Medicine

January 29th

Courtney Filippi, PhD

NYU Langone

February 5th

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](#).

Center for Dementia Research Neuroscience Seminar Series

Held on Thursdays at 10 am in the Miki Kohn
conference room.

Grace Stutzmann, PhD

Rosalind Franklin University

Neuronal pathophysiology compared in Alzheimer's disease and Down Syndrome

December 21st

Martin J. Sadowski, MD, PhD

NYU Grossman School of Medicine

January 18th

2023 INTERNATIONAL MENTAL HEALTH RESEARCH VIRTUAL & IN PERSON SYMPOSIUM

2023 BBRF International Mental Health Research Symposium

The presentations from the Brain & Behavior Research Foundation (BBRF)'s 2023 Mental Health Research Symposium are now available to view online. [Click here](#) to watch presentations on leading research discoveries across brain and behavior disorders by the Foundation's 2023 Outstanding Achievement Prizewinners.

NKI ON THE ROAD



Kerstin Pahl and **Sharifa Williams** (Social Solutions & Services) gave presentations at the annual meeting of the American Public Health Association held in Atlanta.

Pahl, K, Williams, S.Z., Sanichar, N., Lewis, C., & Lekas, H.-M. *Attributions of everyday discrimination experiences to intersecting statuses: Prevalence and correlates with stress.* [Conference abstract].

Williams, S.Z., Lewis, C., Gross, S., Rosen-Metsch, L., & Lekas, H.-M. *Sociocultural determinants of hospitalization and disengagement from care among persons living with HIV.* [Conference abstract].

Lekas, H.-M., Pahl, K., Sanichar, N., Brenner, J., & Lewis, C. *Understanding patient-directed discharge from the emergency department: Opportunities for enhancing quality and equity in medical care.* [Poster].



**American College of
Neuropsychopharmacology**

At the **2023 ACNP meeting** in Tampa, Florida, **Vilma Gabbay** (Clinical Research) participated in a panel on "The Habenula and PVT Roles in Diverse Behaviors Across Ages: Data from Neuroimaging and DBS Studies in Clinical Cohorts", which she also co-chaired.



Christos Lisgaras (Scharfman Lab, CDR) participated in a special interest group session on “Epilepsy and Aging: Unique Aspects of Epilepsy in Aging” at the [annual meeting of the American Epilepsy Society](#) in Orlando, Florida. His presentation topic was “High-frequency Oscillations in Alzheimer’s Disease”. Dr. Lisgaras also presented on “Interictal Spikes and High-Frequency Oscillations (>250Hz) in Animal Models of Alzheimer’s Disease” in a session on Basic Mechanisms at the conference.



The work of NKI investigators was well represented at the Society for Neuroscience annual meeting held recently in Washington, DC, in three nanosymposia and many posters. The meeting program is currently online [here](#).

NANO14.08 - Specific physiologic and morphologic alterations in the hippocampal dentate gyrus mossy cells may constitute some of the earliest signs of hyperexcitability in the Tg2576 model of AD.

***D. ALCANTARA-GONZALEZ¹**, M. KENNEDY², C. CRISCUOLO¹, J. J. BOTTERILL³, H. HELEN¹;

NANO59.08 - Analysis of electrophysiological markers and correlated components of neural responses to discourse coherence

***K. M. MASIELLO^{1,2}**, L. C. PARRA³, V. L. SHAFER²;

NANO62.02 - A cascade of intracellular organelle defects drives cellular pathophysiology in Alzheimer’s disease and Down syndrome neurons

***G. E. STUTZMANN¹**, S. MUSTALY², W. GALLEGOS³, R. A. MARR², M. ALLDRED⁴, S. GINSBERG⁵;

PSTR508.01 / WW37 - Dissociation of direct and indirect transcranial magnetic stimulation effects in nonhuman primates

***N. D. PERERA¹**, I. ALEKSEICHUK¹, S. SHIRINPOUR¹, M. WISCHNEWSKI¹, G. LINN^{2,3}, K. MASIELLO², B. BUTLER², B. E. RUSS², C. E. SCHROEDER^{2,4}, A. FALCHIER^{2,3}, A. OPITZ¹;

PSTR212.22 / DD22 - Retinotopic organization of feedback projections in primate early visual cortex: implications for active vision

***M. WANG^{1,2,3}**, Y. HOU⁴, L. MAGROU⁴, J. A. AUTIO⁵, P. MISERY⁴, T. COALSON⁶, E. REID⁶, Y. XU¹, C. LAMY⁴, A. FALCHIER⁷, Q. ZHANG¹, M.-M. POO^{1,2,8,3}, C. DEHAY⁴, M. F. GLASSER^{6,9}, T. HAYASHI^{5,10}, K. KNOBLAUCH^{4,11}, D. VAN ESSEN⁶, Z. SHEN¹, H. KENNEDY^{4,1};

PSTR053.16 / UU17 - Phase coding across the saccade-fixation cycle in human hippocampus

***M. LESZCZYNSKI¹**, E. ESPINAL², E. SMITH³, C. SCHEVON⁴, S. SETH⁵, C. E. SCHROEDER⁶;

PSTR273.17 / BB3 - Flexible tracking of rhythmic acoustic streams in parallel thalamocortical circuits

C. A. MACKEY¹, A. BARCZAK¹, S. NEYMOTIN¹, K. MACKIN¹, T. M. MCGINNIS¹, T. A. HACKETT², P. LAKATOS¹, C. E. SCHROEDER³, *M. O’CONNELL^{4,1};

PSTR343.15 / BB21 - Investigating the cellular and circuit mechanisms of EEG biomarkers associated with schizophrenia using a multiscale model of auditory thalamocortical circuits

***S. MCELROY¹**, A. THIEME³, P. GHOSH³, J. CHEN², I. BERNARDI⁴, E. GRIFFITH⁵, S. NEYMOTIN⁶, D. D’SOUZA⁷, P. SKOSNIK⁸, R. RADHAKRISHNAN⁹, C. METZNEER³, S. DURA-BERNAL¹⁰;

PSTR243.10 / XX17 - A leap on large-scale brain simulation performance: NEURON 9.0 and Neurodamus

***F. LEITE PEREIRA¹**, J. G. KING¹, P. S. KUMBHAR¹, O. AWILE¹, A. L. SAVULESCU¹, I. MAGKANARIS¹, O. LUPTON¹, W. JI¹, J. BLANCO¹, N. CORNU¹, W. LYTTON², R. A. MCDUGAL³, S. DURA-BERNAL², M. L. HINES³;

PSTR166.08 / MM13 - The role of macaque frontal face patches in the integration of social and value information

***C. ELORETTE**¹, A. FUJIMOTO¹, S. H. FUJIMOTO¹, L. FLEYSHER², B. E. RUSS⁴, P. RUDEBECK³;

PSTR228.11 - Contrasting role of dopamine receptor subtypes during learning in macaque monkeys as revealed by resting-state functional MRI

***A. FUJIMOTO**¹, C. ELORETTE¹, S. H. FUJIMOTO¹, L. FLEYSHER¹, B. E. RUSS^{1,2,3}, P. H. RUDEBECK¹;

PSTR036.22 / GG10 - Using single-cell RNAseq to identify novel target genes and pathways in stress responses and antidepressant action

***S. AZAM**^{1,2}, B. BIGIO², N. JOHN¹, Y. SAGI^{1,2}, C. KHOSLA^{4,5,6}, C. NASCA^{3,1,2};

PSTR036.23 / GG11 - Exosomes and glutamatergic function in the response to chronic stress

***H. KRONMAN**¹, A. SINGH², D. ZELLI³, P. DEANGELIS⁵, J. DOBBIN⁴, B. BIGIO⁷, C. NASCA^{7,8,6,2};

PSTR036.24 / GG12 - Continuous high-throughput automated home-cage system to characterize the complex behavioral responses to stress

***Y. SAGI**^{1,2}, N. JOHN¹, S. AZAM^{1,2}, B. BIGIO², C. NASCA^{3,2,1};

PSTR323.02 / D43 - Gene expression profiles of frontal cortex pyramidal neurons across the Alzheimer's disease spectrum

***A. LABUZA**^{1,2}, M. J. ALLDRED^{1,2}, H. PIDIKITI¹, A. HEGUY³, P. D. COLEMAN⁶, E. J. MUFSON⁷, S. D. GINSBERG^{1,2,4,5};

PSTR323.06 / D47 - Frontal cortex pyramidal neurons from Layer III and Layer V exhibit a neurotoxic phenotype in aged individuals with Down syndrome

***M. J. ALLDRED**^{1,2}, H. PIDIKITI¹, A. HEGUY³, P. ROUSSOS⁵, G. E. HOFFMANN⁵, S. D. GINSBERG^{1,2,4};

PSTR323.11 / D52 - Posterior cingulate cortex microRNA alterations in cognitive resilience,

mild cognitive impairment, and Alzheimer's disease

***S. E. COUNTS**^{1,2}, J. S. BECK¹, B. MALONEY³, M. M. AHMADI⁴, S. D. GINSBERG^{5,6}, E. J. MUFSON⁷, D. LAHIRI^{3,8};

PSTR349.19 / GG3 - Multiscale model of M1 circuits validated against in vivo data predicts cell-type-specific mechanisms, LFP sources, presynaptic inputs and neural manifolds across behaviors

J. V. MOREIRA¹, E. URDAPILLETA², B. A. SUTER³, J. DACRE⁴, S. A. NEYMOTIN⁶, J. SCHIEMANN⁵, I. C. DUGUID⁵, G. M. SHEPHERD⁷, W. W. LYTTON², ***S. DURA-BERNAL**²;

PSTR510.17 / XX9 - Computational model of the ventral posteromedial thalamic circuit

***J. MOREIRA**¹, S. DURA-BERNAL^{1,2};

PSTR460.12 / E39 - Alzheimer's Disease Stressors Induce Epichaperome Formation within Glutamatergic Neurons

***S. BAY**¹, A. SANTHASEELA¹, C. S. DIGWAL¹, T. ROYCHOWDHURY¹, S. SHARMA¹, A. RODINA¹, P. PANCHAL¹, H. ZHANG⁴, K. MANOVA-TODOROVA², O. ARANCIO^{5,4,6}, S. GINGSBERG^{7,8}, G. CHIOSIS^{1,3};

PSTR461.18 / H4 - Development of epichaperome imaging probes for precision medicine in Alzheimer's disease

***S. SHARMA**¹, V. JALLINOJA², C. S. DIGWAL¹, A. RODINA¹, P. PANCHAL¹, S. BAY¹, T. ROYCHOWDHURY¹, S. D. GINSBERG^{4,5}, M. ISHII^{6,7}, N. PILLARSETTY^{2,8}, G. CHIOSIS^{1,3};

PSTR527.23 - Epichaperomics: an approach to determine protein interaction dysfunctions and the impact of sex differences across the Alzheimer's disease spectrum

***S. D. GINSBERG**^{1,2,3,4}, T. A. NEUBERT⁵, H. ERDJUMENT-BROMAGE⁵, M. J. ALLDRED^{1,2}, A. LABUZA^{1,2}, T. ROYCHOWDHURY⁶, A. ALAM⁶, S. BAY⁶, A. RODINA⁶, S. SHARMA⁶, C. S. DIGWAL⁶, T. WANG⁶, G. CHIOSIS^{6,7};

Amanda Labuza, a postdoctoral researcher in the Ginsberg Lab, was one of the presenters at the NYU Psychiatry Research Day on October 25th. Her topic was “Gene expression profiles derived from frontal cortex pyramidal neurons across the Alzheimer’s disease spectrum.”



C-BIN Science Series

Babak Ardekani (C-BIN) was the presenter for the C-BIN virtual Monday seminar on November 13th. The topic of his talk was “A Comparative Study of Four Rigid-body Registration Methods for Aligning Longitudinal Structural MRI in Normal Aging and Alzheimer’s Disease”.



Marilena Lekas, Crystal Lewis, and Kerstin Pahl of the Center for Research on Cultural & Structural Equity in Behavioral Health (C-CASE) jointly presented the NYU Department of Psychiatry Grand Rounds on October 26th. The title of their presentation was “Changing Ourselves and Our Institutions to Promote Equity”.



On October 23rd, **Christos Lisgaras** (Scharfman Lab, CDR) presented the NYU Translational Research in Progress Seminar (TRIP) on the topic of “High frequency oscillations as a new electrophysiological biomarker in Alzheimer’s disease models”.

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 7,300 items dating back to 1995 and can be searched from the [myNKI website](#).

Alam JJ, Nixon RA. Drug development targeting degeneration of the basal forebrain cholinergic system: its time has come. *Mol Neurodegener.* 2023 Oct 4; 18(1):74. Erratum in: *Mol Neurodegener.* 2023 Nov 9; 18(1):81. PMID: 37794391.

Barczak A, O'Connel MN, Schroeder CE. Thalamic Contributions to Multisensory Convergence and Processing. In: Usrey WM, Sherman SM, editors. *The Cerebral Cortex and Thalamus.* Oxford University Press; 2023. p. 305-16.

Belanger AN, Timpano KR, Eng GK, Bragdon LB, Stern ER. Associations Between Suicidality and Interoception in Obsessive-Compulsive Disorder. *J Obsessive Compuls Relat Disord.* 2023 Oct; 39:100844. PMID: 37901053.

Blomqvist A, Evrard HC, Dostrovsky JO, Strigo IA, Jänig W. A. D. (Bud) Craig, Jr. (1951-2023). *Nat Neurosci.* 2023 Nov; 26(11):1835-1836. PMID: 37749257.

Borges FS, Protachevicz PR, Souza DLM, Bittencourt CF, Gabrick EC, Bentivoglio LE, Szezech JD Jr, Batista AM, Caldas IL, Dura-Bernal S, Pena RFO. The Roles of Potassium and Calcium Currents in the Bistable Firing Transition. *Brain Sci.* 2023 Sep 20; 13(9):1347. PMID: 37759949.

Breslow AS, Simkovic S, Franz PJ, Cavic E, Liu Q, Ramsey N, Alpert JE, Cook BL, Gabbay V. Racial and Ethnic Disparities in COVID-19-Related Stressor Exposure and Adverse Mental Health Outcomes Among Health Care Workers. *Am J Psychiatry*. 2023 Nov 9. PMID: 37941329.

Buonomano DV, Buzsáki G, Davachi L, Nobre AC. Time for Memories. *J Neurosci*. 2023 Nov 8; 43(45):7565-7574. PMID: 37940593.

Chandrashekar PB, Alatkari S, Wang J, Hoffman GE, He C, Jin T, Khullar S, Bendl J, Fullard JF, Roussos P, Wang D. DeepGAMI: deep biologically guided auxiliary learning for multimodal integration and imputation to improve genotype-phenotype prediction. *Genome Med*. 2023 Oct 31; 15(1):88. PMID: 37904203.

Chen Y, Wu C, Lyu D, Wang F, Huang Q, Yang W, Huang H, Zhang M, Zhou N, Wei Z, Shi S, Kong S, Qian N, Chen S, Li C, Fang Y, Davis J, Smith R, Jin H, Hong W. Comparison of 60-minute vs 30-minute transcranial direct current stimulation (tDCS) in major depressive disorder: Effects on depression suicidal ideation and anxiety. *Psychiatry Res*. 2023 Nov 2; 330:115556. PMID: 37951032.

Chung W, Jiang SF, Milham MP, Merikangas KR, Paksarian D. Inequalities in the Incidence of Psychotic Disorders Among Racial and Ethnic Groups. *Am J Psychiatry*. 2023 Nov 1; 180(11):805-814. PMID: 37789743.

Cohen JW, Ramphal B, DeSerisy M, Zhao Y, Pagliaccio D, Colcombe S, Milham MP, Margolis AE. Relative brain age is associated with socioeconomic status and anxiety/depression problems in youth. *Dev Psychol*. 2023 Sep 25. PMID: 37747510.

Correll C, Lindenmayer JP, Farahmand K, Jen E, Siegert S, Dunayevich E. Sustained Treatment Response with Long-Term Valbenazine in Patients with Tardive Dyskinesia (P11-11.012). *Neurology* 100[17 Suppl. 2]. 2023. [Abstract]

Dura-Bernal S, Griffith EY, Barczak A, O'Connell MN, McGinnis T, Moreira JVS, Schroeder CE, Lytton WW, Lakatos P, Neymotin SA. Data-driven multiscale model of macaque auditory

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