

The NKInformer



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

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Stuart Moss, MLS, Editor

EMILY STERN INVESTIGATES THE OCD BRAIN (AND PASSES THE TEST)

Emily R. Stern, PhD, joined the Clinical Research department at the beginning of the year. She was kind enough to answer a few questions for *The Informer*, providing a brief introduction.



Please describe your background and the evolution of your research career.

When I started college, I thought I wanted to be a short story writer or a filmmaker. Over time, the stories I wrote became more and more focused on the human mind and its many functions (or dysfunctions!), and I realized that what I actually wanted to do was study the brain. At the beginning of my second year of college, I started reading the writings of Oliver Sacks and Harold Klawans. By the end of the year, I had switched my major to psychology. For my senior thesis, I wanted to run an fMRI study on false memory, but my university did not have a research scanner (I won't divulge the exact year, but it was a while ago)! With the encouragement of my thesis mentor, I made it my goal to pursue graduate research in psychology and incorporate brain imaging into my research.

While in graduate school at Columbia University, I was fortunate to receive training in both EEG and fMRI techniques and conducted studies on brain functioning related to sustained attention in healthy volunteers. Although the investigation of these basic processes was interesting, and the techniques I learned were highly useful for my career trajectory, I always ended up failing the "why are you doing this?" test. This is the dreaded graduate student test where you visit your parents and friends on holidays and you tell them about

your research, and they want to know not only *what* you are doing but *why* you are choosing to research that particular topic. I was never able to convincingly describe the importance of my work, and felt frustrated because I did not feel my research would ultimately lead to any discoveries that would impact anyone's life.

I finally made the decision near the end of my graduate studies to switch my focus toward investigating brain functioning in relation to psychiatric disorders, which I hoped could more directly impact people suffering from these disorders and potentially one day affect treatment. I landed a great postdoctoral fellowship at the University of Michigan with a psychiatric neuroimaging lab, about which I was so excited that I started even before defending my doctoral thesis! My PI there, Dr. Stephan Taylor, hired me to work on an R01 examining error processing and conflict monitoring in obsessive-compulsive disorder using fMRI, work which ultimately solidified my interest in psychiatric neuroimaging and led to my love of studying the complexities of OCD. As an independent researcher at Mount Sinai and now at NIMH and NYU Langone, I have continued to study the neurobiology of OCD, more recently expanding my interests into investigating the overlap between OCD and other disorders in order to examine transdiagnostic mechanisms. In particular, I have become very interested in psychiatric heterogeneity and identifying patient-specific mechanisms that can be targeted by personalized treatments.

Can you briefly describe your current projects?

My lab's current projects focus on investigating heterogeneity in OCD and related disorders, with a particular focus on sensory symptoms. Sensory phenomena in OCD are uncomfortable or aversive sensations that drive repetitive behaviors, and are typically dissociable from harm-related or fear-based symptoms of the disorder. Although sensory phenomena are sometimes hard for people to understand, it can be helpful to think of them as

being similar to the urge that patients with Tourette's disorder feel before performing a tic (called a "premonitory urge"). There have been few studies on sensory symptoms in OCD, and they remain poorly understood even though they are associated with reduced quality of life and can be difficult to treat using standard therapeutic approaches.

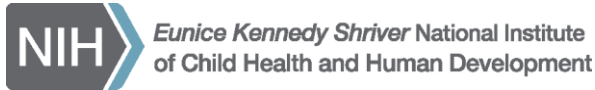
We currently are running two imaging projects looking at sensory symptoms in OCD. One studies the neural correlates of sensory symptoms and distinguishes them from neural mechanisms associated with other core features of the disorder (harm avoidance, perfectionism, perseverative thinking). For this study, we are also enrolling unaffected biological siblings of patients with OCD to probe for endophenotypes related to genetic risk. Our other main project is a clinical trial using the drug ondansetron in patients with OCD and Tourette's disorder over a period of 4 weeks. We have data showing that ondansetron reduces activation of sensorimotor networks in the brains of healthy individuals. The current trial extends this work to test whether ondansetron can be used to modulate brain function and symptoms in patients as a novel treatment for sensory phenomena.

In addition to these two main projects, the lab has collaborations with investigators at my prior institution (Mount Sinai) looking at depression and anxiety, and we are starting collaborations at NIMH with Dr. Russ Tobe and Dr. Matthew Hoptman. For the future, I am eager to incorporate neuromodulation methods (tDCS and/or TMS) into our work in order to manipulate brain circuits of interest, and to expand our research into examining transdiagnostic features across multiple disorders.

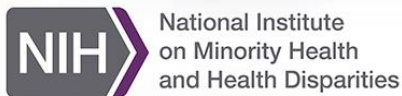
What is one surprising thing about yourself?

I don't know if this is surprising, but I do like spending time with farm animals and even have a tattoo of them.

GRANTS RECEIVED



Dr. Catia Teixeira (Emotional Brain Institute) received a two-year R03 grant titled “Maternal presence modulation of pups' brain activity via the serotonergic system.”



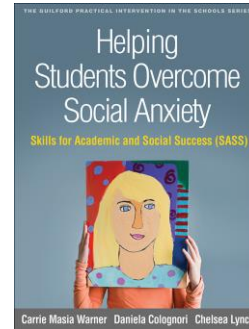
Dr. Kerstin Pahl (Social Solutions & Services) received a five-year R01 grant titled “Longitudinal Effects of Socioeconomic Disadvantage and Racial Discrimination on Health Among African Americans and Puerto Ricans.” The grant is a collaboration between NYU and NKI.

According to the public health relevance statement, “The proposed research would contribute to the elimination of health disparities, a goal of ‘Healthy People 2020,’ by identifying pathways through which social determinants of health operate and by highlighting areas of resilience on which interventions and policy can build.”



Dr. Emily Stern (Clinical Research) received an R33 grant titled “The effects of ondansetron on neural systems and symptoms associated with sensory phenomena.” The grant is a collaboration between NYU and NKI. For more about Emily’s research, see the feature on page one.

KUDOS



Carrie Masia Warner, PhD (Social Solutions & Services) has published her first book. [Helping Students Overcome Social Anxiety](#) was published earlier this year by Guilford Press. Dr. Warner’s coauthors are Daniela Colognori, PsyD, and Chelsea Lynch, MA.

FROM AROUND THE INSTITUTE

Psychiatry Advisor

Dan Iosifescu, MD (Clinical Research Director) was consulted by the *Psychiatry Advisor* website for an article on ketamine. “[Ketamine: A Promising Agent for Managing Treatment-Resistant Depression](#)” was published on February 19, and quotes Dr. Iosifescu extensively.



Charles Schroeder, PhD (Biomedical Imaging & Neuromodulation) is quoted in this [Science News article](#) covering recent work on neuronal oscillations.



April 22-28 marks Medical Laboratory Professional Week 2018, and we take the opportunity to salute the employees working in the [OMH Laboratories at NKI](#). Every day, these professionals perform tests, interpret results, and provide answers for patient care in the OMH facilities.

NKI's laboratory staff are also recognized in the [April issue of Mental Notes](#), the OMH employee newsletter.



Some of NKI's Professional Laboratory Employees

PUBLICATIONS OF NOTE



Helen Scharfman (Dementia Research) published this Perspectives piece in *Science*.

Scharfman HE. [Controlling learning and epilepsy together](#). *Science*. 2018 Feb 16;359(6377):740-741.



This report by **Elizabeth Phelps** (Emotional Brain Institute) and colleagues appears in the recently launched journal *Nature Human Behaviour*.

Dunsmoor JE, Kroes MCW, Moscatelli CM, Evans MD, Davachi L, Phelps EA. [Event segmentation protects emotional memories from competing experiences encoded close in time](#). *Nature Human Behaviour* 2018.



Dr. Phelps is also the senior author of this *PNAS* article.

FeldmanHall O, Dunsmoor JE, Tompary A, Hunter LE, Todorov A, Phelps EA. [Stimulus generalization as a mechanism for learning to trust](#). *Proc Natl Acad Sci U S A*. 2018 Feb 13;115(7):E1690-E1697.



JAMA Psychiatry

NKI Director **Donald Goff** is the first author of this paper in *JAMA Psychiatry*. **Babak Ardekani** (Biomedical Imaging & Neuromodulation) is a coauthor.

Goff DC, Zeng B, Ardekani BA, Diminich ED, Tang Y, Fan X, Galatzer-Levy I, Li C, Troxel AB, Wang J. [Association of Hippocampal Atrophy with Duration of Untreated Psychosis and Molecular Biomarkers During Initial Antipsychotic Treatment of First-Episode Psychosis](#). *JAMA Psychiatry*. 2018 Feb 21.



Dr. Goff also wrote this editorial appearing in the February issue of the *American Journal of Psychiatry*.

Goff DC. [Optimizing the Pharmacologic Treatment of Individuals with First-Episode Psychosis](#). *Am J Psychiatry*. 2018 Feb 1;175(2):101-102.



Stephen Ginsberg, **Melissa Alldred** (Dementia Research), and **Sang Han Lee** (Biomedical Imaging & Neuromodulation) are coauthors of this paper in the February issue of *Annals of Neurology*.

Ginsberg SD, Alldred MJ, Gunnam SM, Schirolli C, Lee SH, Morgello S, Fischer T. [Expression profiling suggests microglial impairment in human immunodeficiency virus neuro-pathogenesis](#). *Ann Neurol*. 2018 Feb;83(2):406-417.

Biological Psychiatry

A Journal of Psychiatric Neuroscience and Therapeutics

Daniel Javitt (Schizophrenia Research) wrote this Commentary piece for a recent issue of *Biological Psychiatry* on the topic of “Novel Mechanisms in Schizophrenia Pathophysiology”.

Javitt DC. [Excitatory Amino Acids in Schizophrenia: Both What You Have, and What You Do with Them](#). *Biol Psychiatry*. 2018 Mar 15;83(6):470-472.



John Sidtis and **Diana Van Lancker Sidtis** (Brain & Behavior Laboratory) are the lead authors of this recent *Brain Connectivity* paper.

Sidtis JJ, Dhawan V, Eidelberg D, Van Lancker Sidtis D. [Switching Language Modes: Complementary Brain Patterns for Formulaic and Propositional Language](#). *Brain Connect*. 2018 Jan 22.



Mariko Saito, **John Smiley**, **Maria Hui**, **Kurt Masiello**, **Judith Betz** (all Neurochemistry), **Mitsuo Saito** (Analytical Psychopharmacology), **Maria Iliina**, and **Donald Wilson** (Emotional Brain Institute) authored this *Cerebral Cortex* article.

Saito M, Smiley JF, Hui M, Masiello K, Betz J, Iliina M, Saito M, Wilson DA. [Neonatal Ethanol Disturbs the Normal Maturation of Parvalbumin Interneurons Surrounded by Subsets of Perineuronal Nets in the Cerebral Cortex: Partial Reversal by Lithium](#). *Cereb Cortex*. 2018 Feb 16.

This open access paper in Frontiers in Molecular Neuroscience comes from the lab of **Raj Balapal** (Analytical Psychopharmacology).

Subbanna S, Nagre NN, Shivakumar M, Joshi V, Psychoyos D, Kutlar A, Umapathy NS, Basavarajappa BS. [CB1R-Mediated Activation of Caspase-3 Causes Epigenetic and Neurobehavioral Abnormalities in Postnatal Ethanol-Exposed Mice](#). *Front Mol Neurosci*. 2018 Feb 20;11:45.



Matthew Hoptman (Clinical Research) is the lead author of this open access article on response inhibition in schizophrenia.

Hoptman MJ, Parker EM, Nair-Collins S, Dias EC, Ross ME, DiCostanzo JN et al. [Sensory and cross-network contributions to response inhibition in patients with schizophrenia](#). *NeuroImage: Clinical* 2018;18:31-9.



Joshua Kantrowitz (Schizophrenia Research) is the corresponding author of this paper appearing in *Biological Psychiatry: CNNI*.

Kantrowitz JT, Swerdlow NR, Dunn W, Vinogradov S. [Auditory system target engagement during plasticity-based interventions in schizophrenia: a focus on modulation of N-methyl-d-aspartate-type glutamate receptor function](#). *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging* 2018.

Ricardo Osorio (Clinical Research) is one of the coauthors of this paper published in *PLoS One*. The significance of this research is discussed in [an NYU press release](#).

de Leon MJ, Pirraglia E, Osorio RS, Glodzik L, Saint-Louis L, Kim HJ, Fortea J, Fossati S, Laska E, Siegel C, Butler T, Li Y, Rusinek H, Zetterberg H, Blennow K; Alzheimer's Disease Neuroimaging Initiative; National Alzheimer's Coordinating Center. [The nonlinear relationship between cerebrospinal fluid A \$\beta\$ 42 and tau in preclinical Alzheimer's disease](#). *PLoS One*. 2018 Feb 7;13(2):e0191240.



Gail Silipo, Stephanie Rohrig, Elisa Dias, and Daniel Javitt (Schizophrenia Research) are coauthors of this open access article appearing in *Brain Topography*.

Pobric G, Hulleman J, Lavidor M, Silipo G, Rohrig S, Dias E, Javitt DC. [Seeing the World as it is: Mimicking Veridical Motion Perception in Schizophrenia Using Non-invasive Brain Stimulation in Healthy Participants](#). *Brain Topogr*. 2018 Mar 7.



Donald Wilson (Emotional Brain Institute) and Jonas Olofsson published this Dispatch piece in a recent issue of *Current Biology*.

Olofsson JK, Wilson DA. [Human Olfaction: It Takes Two Villages](#). *Curr Biol*. 2018 Feb 5;28(3):R108-R110.

INFO UPDATE



The Substance Abuse and Mental Health Services Administration (SAMHSA) has launched an [Evidence-Based Practices Resource Center](#) that aims to provide communities, clinicians, policy-makers and others in the field with the information and tools they need to incorporate evidence-based practices into their communities or clinical settings. The Resource Center contains a collection of science-based resources, including Treatment Improvement Protocols, toolkits, resource guides, and clinical practice guidelines, for a broad range of audiences. Recognizing the enormity of the opioid epidemic, the Resource Center includes an opioid-specific resources section.



The National Center for Biotechnology Information presents a periodic series of webinars called [The NCBI Minute](#). The latest of these covered "[Textbooks for free on the NCBI Bookshelf!](#)". Housed at the U.S. National Library of Medicine, users of the [NCBI Bookshelf](#) can freely access Books, Reports, and Documents. Classic textbooks are some of the most popular and heavily used entries. This NCBI Minute highlights some of the highly used classic textbooks available (for free!) on the NCBI Bookshelf and points out some new ones that have been recently added.

You can catch up with recordings of all the past NCBI Minute webinars [here](#).

DEPARTMENT OF WONDER



The NIH's [All of Us Research Program](#) is a historic effort to gather data from one million or more people living in the United States to accelerate research and improve health. By taking into account individual differences in lifestyle, environment, and biology, researchers will uncover paths toward delivering precision medicine. But the huge scope of the project, and its cost, have led some to question whether it is a good idea. Read more about it in this *New York Times* article: [The Struggle to Build a Massive 'Biobank' of Patient Data](#).



Another scientific crowdsourcing project – this one in genealogy – has managed to merge over 5 million family trees from Geni.com, going back on average to the 15th century. The NIH Director's Blog provides an [overview](#) of this research, which was [reported in Science](#). The ability to work with massive datasets like this one offers new opportunities to study human history and health. For example, the researchers concluded that the human life span is predominantly dependent on environmental factors, with only about 16 percent of longevity determined by genes. For more about the research findings, and some caveats, see this [New York Times article](#).

NKI ON THE ROAD

Brain Imaging on the Move

A new imaging technology – a streamlined, wearable version of the magnetoencephalography (MEG) brain scanner – enables researchers to track neural activity in people in real time, as they perform everyday tasks requiring movement. This powerful tool creates opportunities for functional brain imaging in new populations, such as children and people with movement disorders. To read more, see this [news piece in Science](#) and this [NIH Director's Blog post](#). The research was [reported in Nature](#).

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](#), [PsychiatryOnline](#), etc.). Remote access is available using NKI's VPN.

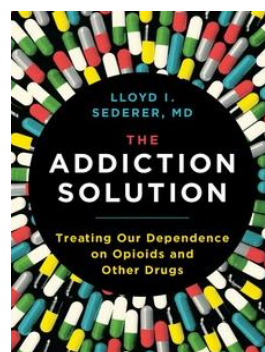
6th Biennial

Schizophrenia International Research Society Conference
Integrated Prevention and Treatment: Shifting the Way We Think

J.P. Lindenmayer, MD, and Anzalee Khan, PhD, represented the Manhattan Psychiatric Center Psychopharmacology Research Unit at the 6th Biennial [Schizophrenia International Research Society Conference](#) held recently in Florence, Italy. There they presented three posters:

- Can Patients with Treatment Resistant Schizophrenia Reliably Report Negative Symptoms? A Pilot Study Using the Self-Evaluation of Negative Symptoms Scale
- Cognitive Correlates of the Negative Symptoms Expressive and Experiential Deficits Factors in Psychosis
- Transcranial Direct-Current Stimulation (tDCS) in Patients with Ultra-Treatment-Refractory Auditory Hallucinations

UPCOMING EVENTS AND SEMINARS



To mark the publication of his new book, [The Addiction Solution: Treating Our Dependence on Opioids and Other Drugs](#), OMH Medical Director **Dr. Lloyd Sederer** will give a presentation at NKI on Tuesday, May 15th at 7:00 pm. Refreshments will be served, and a book signing will follow the presentation.

Memory Screening and Evaluation Day

Get a free, 20-minute memory test at the Geriatric Psychiatry Division at Nathan Kline Institute! Learn more about how our memory works, Alzheimer's disease, and healthy aging! Call to make your appointment.

We will be offering a free 10-to-15-minute memory test to the public. Additionally, resources and educational materials will be provided to create awareness about the current treatment options for Alzheimer's, the clinical studies conducted to date (especially those being conducted at our site), the processes of healthy brain aging, and available resources in the local community. Our experienced staff will also be present to field questions and have personal discussions with individuals who wish to learn more.

When: Friday, April 27th from 10 am – 4 pm

Where: Geriatric Psychiatry Division at the Nathan Kline Institute for Psychiatric Research

For more information, or to schedule your appointment, please contact Katie Brundage at (845) 398-6533 or Minnie Fu at (845) 398-6594.



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 Seminar Series

Held on Thursdays at 10 am

Jayeeta Basu, PhD

Assistant Professor, Neuroscience & Physiology, Neuroscience Institute, NYU School of Medicine

Circuit mechanisms underlying plasticity of Hippocampal representations

April 26th

Carmela Abraham, PhD

Boston University School of Medicine

The aging suppressor and cognitive enhancer klotho: A novel therapeutic target for neurodegenerative diseases

May 24th

George Huntley, PhD

Icahn School of Medicine at Mount Sinai

Early and persistent effects of Parkinson's Disease-linked LRRK2-G2019S mutation on striatal synaptic circuit function and plasticity

May 31st



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 5,700 items dating back to 1995, and can be searched from the [myNKI website](#).

Allred MJ, Chao HM, Lee SH, Beilin J, Powers BE, Petkova E, Strupp BJ, Ginsberg SD. CA1 pyramidal neuron gene expression mosaics in the Ts65Dn murine model of Down syndrome and Alzheimer's disease following maternal choline supplementation. *Hippocampus*. 2018 Feb 2. PMID: 29394516.

Atlas LY, Phelps EA. Prepared stimuli enhance aversive learning without weakening the impact of verbal instructions. *Learn Mem*. 2018 Jan 16; 25(2):100-104. PMID: 29339561.

Baslow MH. Chasing N-acetyl-L-aspartate, a shiny NMR object in the brain. *NMR Biomed*. 2018 Apr; 31(4):e3895. PMID: 29369428.

Bedwell JS, Spencer CC, Chan CC, Butler PD, Sehatpour P, Schmidt J. The P1 Visual-Evoked Potential, Red Light, and Transdiagnostic Psychiatric Symptoms. *Brain Res*. 2018 Mar 3. PMID: 29510142.

Butler T, Harvey P, Deshpande A, Tanzi E, Li Y, Tsui W, Silver C, Fischer E, Wang X, Chen J, Rusinek H, Pirraglia E, Osorio RS, Glodzik L, de Leon MJ. Basal forebrain septal nuclei are enlarged in healthy subjects prior to the development of Alzheimer's disease. *Neurobiol Aging*. 2018 Feb 2;65:201-205. PMID: 29499501.

Clelland JD, Read LL, Smeed J, Clelland CL. Regulation of cortical and peripheral GCH1 expression and biopterin levels in schizophrenia-spectrum disorders. *Psychiatry Res*. 2018 Feb 8; 262:229-236. PMID: 29471261.

Colvin LE, Malgaroli M, Chapman S, MacKay-Brandt A, Cosentino S. Mood and Personality Characteristics are Associated with Metamemory Knowledge Accuracy in a Community-Based Cohort of Older Adults. *J Int Neuropsychol Soc*. 2018 Feb 5:1-13. PMID: 29400264.

Corcoran CM, Carrillo F, Fernández-Slezak D, Bedi G, Klim C, Javitt DC, Bearden CE, Cecchi GA. Prediction of psychosis across protocols and risk cohorts using automated language analysis. *World Psychiatry*. 2018 Feb;17(1):67-75. PMID: 29352548.

de Leon MJ, Pirraglia E, Osorio RS, Glodzik L, Saint-Louis L, Kim HJ, Fortea J, Fossati S, Laska E, Siegel C, Butler T, Li Y, Rusinek H, Zetterberg H, Blennow K; Alzheimer's Disease Neuroimaging Initiative; National Alzheimer's Coordinating Center. The nonlinear relationship between cerebrospinal fluid A β 42 and tau in preclinical Alzheimer's disease. *PLoS One*. 2018 Feb 7;13(2):e0191240. PMID: 29415068.

FeldmanHall O, Dunsmoor JE, Tompary A, Hunter LE, Todorov A, Phelps EA. Stimulus generalization as a mechanism for learning to trust. *Proc Natl Acad Sci U S A*. 2018 Feb 13;115(7):E1690-E1697. PMID: 29378964.

Fink AE, LeDoux JE. Beta-adrenergic enhancement of neuronal excitability in the lateral amygdala is developmentally gated. *J Neurophysiol*. 2018 Jan 17. PMID: 29361666.

Floris DL, Lai MC, Nath T, Milham MP, Di Martino A. Network-specific sex differentiation of intrinsic brain function in males with autism. *Mol Autism*. 2018 Mar 6;9:17. PMID: 29541439.

Georgiades A, Davis VG, Atkins AS, Khan A, Walker TW, Loebel A, Haig G, Hilt DC, Dunayevich E, Umbricht D, Sand M, Keefe RSE. Psychometric characteristics of the MATRICS Consensus Cognitive Battery in a large pooled cohort of stable schizophrenia patients. *Schizophr Res*. 2017 Dec; 190:172-179. PMID: 28433500.

Ginsberg SD, Alldred MJ, Gunnam SM, Schioli C, Lee SH, Morgello S, Fischer T. Expression profiling suggests microglial impairment in human immunodeficiency virus neuropathogenesis. *Ann Neurol*. 2018 Feb;83(2):406-417. PMID: 29369399.

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Goff DC. Optimizing the Pharmacologic Treatment of Individuals with First-Episode Psychosis. *Am J Psychiatry*. 2018 Feb 1;175(2):101-102. PMID: 29385823.

Greenwood SG, Montroull L, Volosin M, Scharfman HE, Teng KK, Light M, Torkin R, Maxfield F, Hempstead BL, Friedman WJ. A Novel Neuroprotective Mechanism for Lithium That Prevents Association of the p75(NTR)-Sortilin Receptor Complex and Attenuates proNGF-Induced Neuronal Death In Vitro and In Vivo. *eNeuro*. 2018 Jan 17;5(1). PMID: 29349290.

Harvey PD, Khan A, Keefe RSE. Using the Positive and Negative Syndrome Scale (PANSS) to Define Different Domains of Negative Symptoms: Prediction of Everyday Functioning by Impairments in Emotional Expression and Emotional Experience. *Innov Clin Neurosci*. 2017 Dec 1;14(11-12):18-22. PMID: 29410933.

Hodgins GE, Blommel JG, Dunlop BW, Iosifescu D, Mathew SJ, Neylan TC, Mayberg HS, Harvey PD. Placebo Effects Across Self-Report, Clinician Rating, and Objective Performance Tasks Among Women with Post-Traumatic Stress Disorder: Investigation of Placebo Response in a Pharmacological Treatment Study of Post-Traumatic Stress Disorder. *J Clin Psychopharmacol*. 2018 Mar 2. PMID: 29505471.

Jaiswal J, Griffin-Tomas M, Singer SN, Lekas HM. Desire for Patient-Centered HIV Care Among Inconsistently Engaged Racial and Ethnic Minority People Living with HIV. *J Assoc Nurses AIDS Care*. 2018 Jan 8. PMID: 29454555.

Jaiswal J, Singer SN, Griffin Tomas M, Lekas HM. Conspiracy Beliefs Are Not Necessarily a Barrier to Engagement in HIV Care Among Urban, Low-Income People of Color Living with HIV. *J Racial Ethn Health Disparities*. 2018 Feb 27. PMID: 29488174.

Javitt DC. Excitatory Amino Acids in Schizophrenia: Both What You Have, and What You Do with Them. *Biol Psychiatry*. 2018 Mar 15;83(6):470-472. PMID: 29429500.

Kantrowitz JT. N-methyl-d-aspartate-type glutamate receptor modulators and related medications for the enhancement of auditory system plasticity in schizophrenia. *Schizophr Res*. 2018 Feb 17. PMID: 29459050.

Khan A, Liharska L, Harvey PD, Atkins A, Ulshen D, Keefe RSE. Negative Symptom Dimensions of the Positive and Negative Syndrome Scale Across Geographical Regions: Implications for Social, Linguistic, and Cultural Consistency. *Innov Clin Neurosci*. 2017 Dec 1;14(11-12):30-40. PMID: 29410935.

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Linkovski O, Shen H, Zwerling J, Filippou-Frye M, Jo B, Cordell E, Cooper TB, Simpson HB, Burch RM, Moskal JR, Lee F, Rodriguez CI. Effects of Rapastinel (Formerly GLYX-13) on Serum Brain-Derived Neurotrophic Factor in Obsessive-Compulsive Disorder. *J Clin Psychiatry*. 2018 Jan/Feb;79(1). PMID: 29505186.

Marcos-Vidal L, Martínez-García M, Pretus C, Garcia-Garcia D, Martínez K, Janssen J, Vilarroya O, Castellanos FX, Desco M, Sepulcre J, Carmona S. Local functional connectivity suggests functional immaturity in children with attention-deficit/hyperactivity disorder. *Hum Brain Mapp*. 2018 Feb 22. PMID: 29473262.

Mufson EJ, He B, Ginsberg SD, Carper BA, Bieler GS, Crawford FC, Alvarez VE, Huber BR, Stein TD, McKee AC, Perez SE. Gene Profiling of Nucleus Basalis Tau Containing Neurons in Chronic Traumatic Encephalopathy: A Chronic Effects of Neurotrauma Consortium Study. *J Neurotrauma*. 2018 Jan 16. PMID: 29338612.

Murrough JW, Huryk KM, Mao X, Iacoviello B, Collins K, Nierenberg AA, Kang G, Shungu DC, Iosifescu DV. A pilot study of minocycline for the treatment of bipolar depression: Effects on cortical glutathione and oxidative stress in vivo. *J Affect Disord*. 2018 Apr 1;230:56-64. PMID: 29407539.

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Petroni A, Cohen SS, Ai L, Langer N, Henin S, Vanderwal T, Milham MP, Parra LC. The Variability of Neural Responses to Naturalistic Videos Change with Age and Sex. *eNeuro*. 2018 Jan 27;5(1). PMID: 29379880.

Pobric G, Hulleman J, Lavidor M, Silipo G, Rohrig S, Dias E, Javitt DC. Seeing the World as it is: Mimicking Veridical Motion Perception in Schizophrenia Using Non-invasive Brain Stimulation in Healthy Participants. *Brain Topogr*. 2018 Mar 7. PMID: 29516204.

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