

The NKInformer



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

Donald C. Goff, MD, Director
Antonio Convit, MD, Deputy Director
Thomas O'Hara, MBA, Deputy Director, Institute Administration

September / October, 2015

Stuart Moss, MLS, Editor

KUDOS



Xavier Castellanos, MD (Child & Adolescent Psychiatry) has been selected as a 2015 Ruane Prizewinner for Outstanding Achievement in Child & Adolescent Research. At the Brain & Behavior Research Foundation's upcoming research symposium, Dr. Castellanos will speak about "Deconstructing the Neurobiology of ADHD via Open Neuroscience Approaches".



Mary Jane Alexander, PhD (Social Solutions & Services) is the Chair-Elect of the APHA Mental Health Section. The Section is committed to advocacy that promotes policy and educational programs to reduce influences and practices that adversely affect mental health. Dr. Alexander plans to use the Mental Health Section to more actively inform the broader APHA advocacy platform, with the goal of creating real opportunities and conditions for vulnerable people who experience disparities in opportunity, access, and voice to flourish. Her term as Chair will begin at the end of the APHA Annual Meeting on November 4th.

GRANTS AND FUNDING



Basavaraj Balapal (Analytical Psychopharmacology) has received a five year R01 grant entitled "[Endocannabinoid Signaling in Postnatal Ethanol Effects](#)" from the National Institute on Alcohol Abuse and Alcoholism.



Stan Colcombe and **Michael Milham** (Center for Biomedical Imaging and Neuromodulation) have received a five year R01 grant entitled "[Mapping inter-individual variation in the aging connectome](#)" from the National Institute on Aging.



Richard Cameron Craddock (Center for Biomedical Imaging and Neuromodulation) has received a one year funded supplement for his grant entitled "[Real-time fMRI Neurofeedback Based Stratification of Default Network Regulation](#)" from the National Institute of Mental Health.



Vinod Yaragudri (Analytical Psychopharmacology; Emotional Brain Institute) has received a two year R21 grant entitled "[Role of Endocannabinoid System in Depressive Behavior](#)" from the National Institute of Mental Health.

FROM AROUND THE INSTITUTE

WELCOME ABOARD



Tarek Sobeih, PhD recently joined the Information Sciences Division (ISD) as the Deputy Division Director. He brings to ISD years of experience in conducting clinical trials in multiple therapeutic areas. Most recently, Dr. Sobeih was the Executive Director of the Dorn Research Institute at the VA Medical Center in Columbia, SC. He also was the founder and President of Six Sigma Research, a research consulting organization. His responsibilities included providing leadership and direction to these agencies to ensure all research activities were conducted in accordance with federal and local guidelines. Dr. Sobeih developed and implemented strategic planning to provide for institute growth and stability.

Dr. Sobeih has provided oversight to research programs at the VA center and has served as medical research advisor giving support to investigators and staff. Dr. Sobeih has worked in both the academic and the pharmaceutical environments, and has received funding from federal as well as private and pharmaceutical sources.

Dr. Sobeih completed his medical education at the Faculty of Medicine, Cairo University, and received his Doctorate from the College of Medicine, Department of Environmental Health at the

University of Cincinnati. He also has a strong background in industrial engineering.

Dr. Sobeih is a welcome addition to the ISD and will be playing a major role within ISD's Data Coordinating Center (DCC). He brings his leadership and management skills at a time when the DCC is expanding its role in the changing environment of clinical research. Tarek's experience in all aspects of clinical research adds a new voice to the staff of the DCC and will help refine its vision and methodologies.



Anina Klein, JD, MSW, CCRA (Information Sciences) was quoted in an article in the October issue of *Clinical Researcher* ("[Voices from the Field—Risk-Based Monitoring: Hope or Hype?](#)"). From her perspective as a Clinical Research Associate (CRA), Anina was asked to share her views on risk-based monitoring.



Governor Cuomo [recently announced](#) an expansion of [OnTrackNY](#), a program for treating youth with first episode psychosis. The OnTrackNY treatment model focuses on coordinated care, integrating medication, psychosocial therapies, case management, family involvement, and supported education and employment services, all aimed at reducing symptoms and improving quality of life.



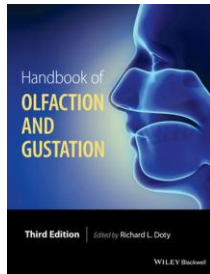
[Mental Illness Awareness Week](#) takes place this year from October 4 – 10. See the NAMI website for more information and materials.

Harvest Moon

Koon-Sea Hui, PhD (Neurochemistry) shared these amazing photos he took of the [supermoon](#) on September 27th (before and during the eclipse). The Chinese [Mid-Autumn Festival](#) celebrates the harvest on the night of the full moon.



PUBLICATIONS OF NOTE



Donald Wilson, Julie Chapuis, and Regina Sullivan (Emotional Brain Institute) published a chapter in the latest edition of the *Handbook of Olfaction and Gustation*.

Wilson DA, Chapuis J, Sullivan RM. Cortical Olfactory Anatomy and Physiology. In: Doty RL, editor. [Handbook of Olfaction and Gustation](#). Hoboken, NJ: John Wiley & Sons; 2015. p. 209-24.



This study by **Bonnie Kerker** (Services Research) et al. found that adverse childhood experiences were associated with poor early childhood mental health and chronic medical conditions.

Kerker BD, Zhang J, Nadeem E, Stein RE, Hurlburt MS, Heneghan A, Landsverk J, McCue Horwitz S. [Adverse Childhood Experiences and Mental Health, Chronic Medical Conditions, and Development in Young Children](#). Acad Pediatr. 2015 Sep-Oct; 15(5):510-7.



NKI Director **Donald Goff** contributed this editorial about a newly approved antipsychotic drug.

Goff DC. [Brexpiprazole: A New Antipsychotic Following in the Footsteps of Aripiprazole](#). Am J Psychiatry. 2015 Sep 1;172(9):820-1.



Dr. Goff also coauthored this recent review.

Manseau MW, Goff DC. [Cannabinoids and Schizophrenia: Risks and Therapeutic Potential](#). Neurotherapeutics. 2015 Aug 27.



This paper from the **Center for Dementia Research** appears in the open access journal *Cell Reports*.

Lee JH, McBrayer MK, Wolfe DM, Haslett LJ, Kumar A, Sato Y, Lie PP, Mohan P, Coffey EE, Kompella U, Mitchell CH, Lloyd-Evans E, Nixon RA. [Presenilin 1 Maintains Lysosomal Ca\(2+\) Homeostasis via TRPML1 by Regulating vATPase-Mediated Lysosome Acidification](#). Cell Rep. 2015 Sep 1; 12(9):1430-44.



Two NKI papers, from the labs of **Ralph Nixon** and **Stephen Ginsberg**, respectively, appear in the open access online journal *PLoS One*.

Yuan A, Hassinger L, Rao MV, Julien JP, Miller CC, Nixon RA. [Dissociation of Axonal Neurofilament Content from Its Transport Rate](#). PLoS One. 2015 Jul 24;10(7):e0133848.

Schafer MJ, Dolgalev I, Alldred MJ, Heguy A, Ginsberg SD. [Calorie Restriction Suppresses Age-Dependent Hippocampal Transcriptional Signatures](#). PLoS One. 2015 Jul 29;10(7):e0133923.



Dr. Barbara Coffey published this article on co-occurring ADHD and tic disorders.

Coffey BJ. [Complexities for Assessment and Treatment of Co-Occurring ADHD and Tics](#). Current Developmental Disorders Reports 2015.



Social Neuroscience

This review on social buffering in infants by **Regina Sullivan** and **Rosemarie Perry** (Emotional Brain Institute) appears in *Social Neuroscience*. Dr. Sullivan also coauthored a symposium report in the same journal.

Sullivan RM, Perry RE. [Mechanisms and Functional Implications of Social Buffering in Infants: Lessons from Animal Models](#). Soc Neurosci. 2015 Sep 1.

Gunnar MR, Hostinar CE, Sanchez MM, Tottenham N, Sullivan RM. [Parental buffering of fear and stress neurobiology: Reviewing parallels across rodent, monkey, and human models](#). Soc Neurosci. 2015 Aug 25:1-5.



Daniel Javitt (Schizophrenia Research) authored this recent update on treatments for schizophrenia.

Javitt DC. [Current and emergent treatments for symptoms and neurocognitive impairment in schizophrenia](#). Curr Treat Options Psychiatry. 2015 Jun;1(2):107-120.



Along with a Pittsburgh colleague, **Dr. Javitt** also published this review on auditory function in schizophrenia.

Javitt DC, Sweet RA. [Auditory dysfunction in schizophrenia: integrating clinical and basic features](#). Nat Rev Neurosci. 2015 Aug 20;16(9):535-50.



Antigona Martinez, **Peter Lakatos**, **Elisa Dias**, and **Daniel Javitt** (Life Sciences) are among the authors of this open access paper on oscillatory deficits in schizophrenia.

Martínez A, Gaspar PA, Hillyard SA, Bickel S, Lakatos P, Dias EC, Javitt DC. [Neural oscillatory deficits in schizophrenia predict behavioral and neurocognitive impairments](#). Front Hum Neurosci. 2015 Jul 1;9:371.



Psychiatry Research

This study by **Dr. Menachem Krakowski** (Clinical Research) and several NKI colleagues identified impairments in response inhibition and in set shifting in psychopathic individuals.

Krakowski MI, Foxe J, de Sanctis P, Nolan K, Hoptman MJ, Shope C, Kamiel S, Czobor P. [Aberrant response inhibition and task switching in psychopathic individuals](#). Psychiatry Res. 2015 Oct 30;229(3):1017-23.

Dr. Donald Goff is a coauthor of this meeting report on assessment of schizophrenia treatment response.

Keefe RS, Haig GM, Marder SR, Harvey PD, Dunayevich E, Medalia A, Davidson M, Lombardo I, Bowie CR, Buchanan RW, Bugarski-Kirola D, Carpenter WT, Csernansky JT, Dago PL, Durand DM, Frese FJ, Goff DC, Gold JM, Hooker CI, Kopelowicz A, Loebel A, McGurk SR, Opler LA, Pinkham AE, Stern RG. [Report on ISCTM Consensus Meeting on Clinical Assessment of Response to Treatment of Cognitive Impairment in Schizophrenia](#). Schizophr Bull. 2015 Sep 11.



SCHIZOPHRENIA RESEARCH

These two NKI papers were published recently in *Schizophrenia Research*, by **Dr. Jean Pierre Lindenmayer** (Manhattan Psychiatric Center) et al., and by **Dr. Robert Smith** (Neurochemistry) et al.

Lindenmayer JP, Khan A, Lachman H, McGurk SR, Goldring A, Thanju A, Kaushik S. [COMT genotype and response to cognitive remediation in schizophrenia](#). Schizophr Res. 2015 Aug 6.

Smith RC, Boules S, Mattiuz S, Youssef M, Tobe RH, Sershen H, Lajtha A, Nolan K, Amiaz R, Davis JM. [Effects of transcranial direct current stimulation \(tDCS\) on cognition, symptoms, and smoking in schizophrenia: A randomized controlled study](#). Schizophr Res. 2015 Jul 16.

This research from the **Brain and Behavior Laboratory** (Geriatric Psychiatry) appears in the *Journal of Speech, Language, and Hearing Research*.

Van Lancker Sidtis D, Choi J, Alken A, Sidtis JJ. [Formulaic Language in Parkinson's and Alzheimer's disease: Complementary effects of subcortical and cortical dysfunction](#). J Speech Lang Hear Res. 2015 Jul 16.

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 still offers a comfortable, quiet space for reading, work, and small meetings. And we now have Wi-Fi. Just ask the library staff for the password.

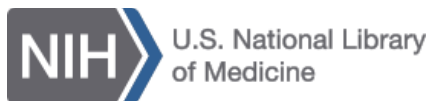
You can [link to the NKI Library's website](#) from myNKI. The Library site includes quick links to the NYU Health Sciences Library and to the New York State Library, as well as links to NKI's own library resources ([journal finder](#), [online catalog](#), [PsychiatryOnline](#), etc.). Remote access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

INFO UPDATE

psychiatryonline
Lifelong Learning in Psychiatry™

There are a few [PsychiatryOnline](#) updates to report.

1. The 3rd edition of [The American Psychiatric Association Practice Guidelines for the Psychiatric Evaluation of Adults](#) has been published. These guidelines represent the first APA guidance that reflects [standards recommended](#) by the Institute of Medicine in 2011. The new edition was developed following an extensive review of the literature as well as input from around 800 experts in the field. The new guidelines are divided into nine separate “modules” that span the breadth of psychiatric evaluation.
2. The second edition of [Dulcan's Textbook of Child & Adolescent Psychiatry](#) is now live online. This thoroughly revised edition is more concise and compact, while remaining comprehensive in scope. It also reflects the new *DSM-5* classifications.
3. A new mobile solution for PsychiatryOnline allows you to pair your smartphone or tablet to our institutional subscription. Once paired, you can access PsychiatryOnline on your mobile device, with an Internet connection. Device pairings expire after 90 days, but can be re-paired at that time. Instructions for pairing your mobile device can be found [here](#).



[Citing Medicine](#), the NLM Style Guide for Authors, Editors, and Publishers [has been updated](#) in a second edition. The changes include many new examples, corrections and clarifications throughout, and a new forward.



[SciENCv](#), a tool available through MyNCBI for creating biosketches, has been updated to help users convert their existing biosketches to the newly acquired format. See the [NCBI Insights blog](#) for details.

A webinar on “[Using SciENCv to Create your NIH Biosketch](#)” is available for viewing on YouTube.

To receive alerts about new videos ranging from quick tips to full webinar presentations, subscribe to the [NCBI YouTube channel](#).



After 13 years as the head of the National Institute of Mental Health, Dr. Tom Insel is [stepping down](#) from his post. He plans to join Google Life Sciences, which aims to create technologies that can help with earlier detection, better prevention, and more effective management of serious health conditions. In his new role, Dr. Insel will explore how this approach can be applied to mental illnesses. *The New York Times* covered the announcement [here](#), and a Dana Foundation Q&A with Dr. Insel is [here](#).



Gmail has enabled a [feature](#) that allows users to “[unsend](#)” messages, if they act quickly. This new option allows a grace period of up to 30 seconds before a message is actually sent. Until then, the message can be pulled back for editing, or trashing. [Here are instructions](#) for using Undo Send.

DEPARTMENT OF WONDER



Sleep, or the widespread lack of it, has become a growing concern in our wired (and wireless), 24/7 society. For example, consider this [recent study](#) which found that people who get less than six hours of sleep a night are more likely to catch a cold than those who get seven or more hours.

For some facts and figures, information about the consequences of sleep deficiency, and a recommendation to aim for at least seven hours of sleep each night, read [this Harvard Health Blog](#).

Additional “[Steps for More, and Better, Sleep](#)” are offered in this *New York Times* blog. And also from the *Times*, [The Upshot describes](#) the evidence-based benefits of cognitive behavioral therapy for insomnia.



In an effort to determine the reproducibility of results in psychological research, investigators replicated 100 studies that were published in three leading psychology journals. They found that the results of many of the original studies were not replicated, at least not to the same degree. Overall, the mean effect size in the replication studies was half the magnitude of the mean effect size in the original studies, and the strength of original evidence was the best predictor of replication success. The [results of the study](#) appear in *Science*. *The New York Times* has [a report on the study](#), and [an op-ed commentary](#).

Driven

While Google has been testing [self-driving automobiles](#) for a number of years now, Tesla has beaten them to the punch by releasing autopilot software (\$2,500) that enables hands-free, pedal-free highway driving in the Model S. For more details, read [this article](#) in *The New York Times*.

NKI ON THE ROAD



Dr. Raj Balapal (Analytical Psychopharmacology) recently attended the 25th Meeting of the [International Society for Neurochemistry](#) in Cairns, Australia. His conference poster was titled “A single day of 5-Azacytidine exposure induces Neurodegeneration in Neonatal Mice and Synaptic, Learning and Memory Deficits in Adult Mice”.



UPCOMING EVENTS AND SEMINARS

Center for Dementia Research Seminar Series

Held on Thursdays at 10 am

Peter Lobel, PhD

Rutgers University

Lysosomal proteomics and neurodegenerative diseases

Thursday, October 22nd

Nikolaos Robakis, PhD

NYU Langone Medical Center

Impact of presenilin-receptor interaction on neuronal function and survival

Thursday, October 29th

Catherine E. Myers, PhD

Rutgers University

Title TBD

Thursday, November 19th

Third Annual Symposium of the New York Metro Imaging Research Consortium

Wednesday, November 18th, 10 am – 2 pm

The Center for Biomedical Imaging and Neuromodulation (C-BIN) at the Nathan S. Kline Institute for Psychiatric Research will be hosting the New York Metro Imaging Research Consortium's 3rd annual symposium in November.

The event will include a combination of oral and poster presentations. We invite you to submit a one-page abstract of your research, no later than October 18, 2015. Please send all abstracts to Tina Bermudez (Bermudez@nki.rfmh.org).

David N. Guilfoyle, PhD (primary organizer)
Director, Medical Physics, C-BIN

Center for Biomedical Imaging and Neuromodulation Scientific Lecture Series

Held in conference room B at 11 am

John Smiley, PhD

Cognitive Neuroscience and Schizophrenia, NKI
Department of Psychiatry, NYU School of Medicine

Reduced Cerebral Cortex GABA Expression, from Major Depression to Fetal Alcohol Disorder

Monday, November 2nd

Nim Tottenham, PhD

Assoc. Prof. of Psychology, Columbia University

Human Amygdala-Prefrontal Cortex Development and the Role of Caregivers

Monday, November 16th



November 13th – 15th

Desmond Hotel and Conference Center, Albany

This year's conference is designed to inspire and educate participants by exploring all the different forms of recovery from mental illness. It will once again feature a focus track on Friday, November 13 dedicated to Improving the Mental Illness-Criminal Justice Interface and explaining how the system can drive recovery. Also, Dr. Sarah Morris (Program Chief, NIMH Schizophrenia Spectrum Disorders Research Program) will present on RDoC.

For more information and to register, [click here](#).

Seminar

Julien Vezoli, PhD

Ernst Strüngmann Institute (ESI) for Neuroscience
in Cooperation with Max Planck Society
Frankfurt, Germany

*Anatomical connection strength directly
influences inter-areal functional connectivity
through rhythmic synchronization*

Thursday, October 23rd, 12:00 noon



The Sixth Annual Research Day

Hosted by the [Center for Cognitive Neurology](#) and
the [Silberstein Alzheimer's Institute](#)

Thursday, November 5th

Presentations: 1:30 – 3:30 pm,
Alumni Hall B

Poster Session/Refreshments: 3:30 – 5:30 pm,
Farkas Breezeway

This event brings together faculty, staff and trainees from several disciplines to raise awareness of the ongoing research activities as they relate to the field of cognitive neurology and brain aging. Presentations will feature the Blas Frangione Foundation lecturer, Dr. Alison Goate, Willard T. C. Johnson Research Professor of Neurogenetics, and Director, Ronald M. Loeb Center for Alzheimer's Disease, Icahn School of Medicine at Mt. Sinai Hospital.

The New York State Office of Mental Health (OMH) hosts a monthly 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 by OMH employees [on the OMH intranet](#). Anyone can view the programs [on the OMH website](#).



2015 STATEWIDE GRAND ROUNDS

***Applying the Social Determinants of
Mental Health in Clinical Practice:
What Clinicians Can Do***

Presenter

Michael T. Compton, MD, MPH

Chairman of Psychiatry, Lenox Hill Hospital

Panelist

Ruth Shim, MD, MPH

Chief of Outpatient Psychiatric Services,
Lenox Hill Hospital

Wednesday, October 21st at 1:00 pm



27th Annual New York Mental Health Research Symposium

Friday, October 23rd, 9:00am - 4:30pm

Kaufman Music Center
129 West 67th Street

Hear the 2015 Brain & Behavior Research Foundation Outstanding Achievement Prizewinners and select Young Investigators present updates on leading research discoveries across brain and behavior disorders, and a Special Keynote Presentation on "Living with Bipolar Disorder" by Keith O'Neil, Former NFL Player & Super Bowl Champion; President & Founder, 4th and Forever Foundation

For more information and to register, [click here](#).

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 5,000 items dating back to 1995, and can be searched from the [NKI web site](#).

Amesty S, Crawford ND, Nandi V, Perez-Figueroa R, Rivera A, Sutton M, Weidle PJ, Willis L, Smith DK, Hernandez C, Harripersaud K, Lewis CF. Evaluation of Pharmacy-Based HIV Testing in a High-Risk New York City Community. *AIDS Patient Care STDS*. 2015 Aug;29(8):437-44.

Bellec P, Benhajali Y, Carbonell F, Dansereau C, Albouy G, Pelland M, Craddock C, Collignon O, Doyon J, Stip E, Orban P. Impact of the resolution of brain parcels on connectome-wide association studies in fMRI. *Neuroimage*. 2015 Aug 1.

Blackstad JS, Osen KK, Scharfman HE, Storm-Mathisen J, Blackstad TW, Leergaard TB. Observations on hippocampal mossy cells in mink (*Neovison vison*) with special reference to dendrites ascending to the granular and molecular layers. *Hippocampus*. 2015 Aug 19.

Del Pilar Trelles Thorne M, Khinda N, Coffey BJ. Posttraumatic Stress Disorder in a Child with Autism Spectrum Disorder: Challenges in Management. *J Child Adolesc Psychopharmacol*. 2015 Aug;25(6):514-7.

Devi L, Ohno M. Effects of BACE1 haploinsufficiency on APP processing and A β concentrations in male and female 5XFAD Alzheimer mice at different disease stages. *Neuroscience*. 2015 Aug 24;307:128-137.

Goff DC. Brexpiprazole: A New Antipsychotic Following in the Footsteps of Aripiprazole. *Am J Psychiatry*. 2015 Sep 1;172(9):820-1.

Gunnar MR, Hostinar CE, Sanchez MM, Tottenham N, Sullivan RM. Parental buffering of fear and stress neurobiology: Reviewing parallels across rodent, monkey, and human models. *Soc Neurosci*. 2015 Aug 25:1-5.

Javitt DC. Current and emergent treatments for symptoms and neurocognitive impairment in schizophrenia. *Curr Treat Options Psychiatry*. 2015 Jun;1(2):107-120.

Javitt DC, Sweet RA. Auditory dysfunction in schizophrenia: integrating clinical and basic features. *Nat Rev Neurosci*. 2015 Aug 20;16(9):535-50.

Keefe RS, Haig GM, Marder SR, Harvey PD, Dunayevich E, Medalia A, Davidson M, Lombardo I, Bowie CR, Buchanan RW, Bugarski-Kirola D, Carpenter WT, Csernansky JT, Dago PL, Durand DM, Frese FJ, Goff DC, Gold JM, Hooker CI, Kopelowicz A, Loebel A, McGurk SR, Opler LA, Pinkham AE, Stern RG. Report on ISCTM Consensus Meeting on Clinical Assessment of Response to Treatment of Cognitive Impairment in Schizophrenia. *Schizophr Bull*. 2015 Sep 11.

Kerker BD, Zhang J, Nadeem E, Stein RE, Hurlburt MS, Heneghan A, Landsverk J, McCue Horwitz S. Adverse Childhood Experiences and Mental Health, Chronic Medical Conditions, and Development in Young Children. *Acad Pediatr*. 2015 Sep-Oct; 15(5):510-7.

Kim S, Sato Y, Mohan PS, Peterhoff C, Pensalfini A, Rigoglioso A, Jiang Y, Nixon RA. Evidence that the rab5 effector APPL1 mediates APP- β CTF-induced dysfunction of endosomes in Down syndrome and Alzheimer's disease. *Mol Psychiatry*. 2015 Jul 21.

Krakowski MI, Foxe J, de Sanctis P, Nolan K, Hoptman MJ, Shope C, Kamiel S, Czobor P. Aberrant response inhibition and task switching in psychopathic individuals. *Psychiatry Res*. 2015 Oct 30;229(3):1017-23.

Lee JH, McBrayer MK, Wolfe DM, Haslett LJ, Kumar A, Sato Y, Lie PP, Mohan P, Coffey EE, Kompella U, Mitchell CH, Lloyd-Evans E, Nixon RA. Presenilin 1 Maintains Lysosomal Ca(2+) Homeostasis via TRPML1 by Regulating vATPase-Mediated Lysosome Acidification. *Cell Rep*. 2015 Sep 1; 12(9):1430-44.

Lindenmayer JP, Khan A, Lachman H, McGurk SR, Goldring A, Thanju A, Kaushik S. COMT genotype and response to cognitive remediation in schizophrenia. *Schizophr Res*. 2015 Aug 6.

Mahoney JR, Molholm S, Butler JS, Sehatpour P, Gomez-Ramirez M, Ritter W, Foxe JJ. Keeping in touch with the visual system: spatial alignment and multisensory integration of visual-somatosensory inputs. *Front Psychol*. 2015 Aug 5;6:1068.

Manseau MW, Goff DC. Cannabinoids and Schizophrenia: Risks and Therapeutic Potential. *Neurotherapeutics*. 2015 Aug 27.

Martínez A, Gaspar PA, Hillyard SA, Bickel S, Lakatos P, Dias EC, Javitt DC. Neural oscillatory deficits in schizophrenia predict behavioral and neurocognitive impairments. *Front Hum Neurosci*. 2015 Jul 1;9:371.

Milak MS, Proper CJ, Mulhern ST, Parter AL, Kegeles LS, Ogden RT, Mao X, Rodriguez CI, Oquendo MA, Suckow RF, Cooper TB, Keilp JG, Shungu DC, Mann JJ. A pilot in vivo proton magnetic resonance spectroscopy study of amino acid neurotransmitter response to ketamine treatment of major depressive disorder. *Mol Psychiatry*. 2015 Aug 18.

Polanía R, Moisa M, Opitz A, Grueschow M, Ruff CC. The precision of value-based choices depends causally on fronto-parietal phase coupling. *Nat Commun*. 2015 Aug 20;6:8090.

Schafer MJ, Dolgalev I, Alldred MJ, Heguy A, Ginsberg SD. Calorie Restriction Suppresses Age-Dependent Hippocampal Transcriptional Signatures. *PLoS One*. 2015 Jul 29;10(7):e0133923.

Scharfman HE, Bernstein HL. Potential implications of a monosynaptic pathway from mossy cells to adult-born granule cells of the dentate gyrus. *Front Syst Neurosci*. 2015 Aug 19;9:112.

Shinn M, Samuels J, Fischer SN, Thompkins A, Fowler PJ. Longitudinal Impact of a Family Critical Time Intervention on Children in High-Risk Families Experiencing Homelessness: A Randomized Trial. *Am J Community Psychol*. 2015 Aug 4.

Smiley JF, Saito M, Bleiwas C, Masiello K, Ardekani B, Guilfoyle DN, Gerum S, Wilson DA, Vadasz C. Selective reduction of cerebral cortex GABA neurons in a late gestation model of fetal alcohol spectrum disorder. *Alcohol*. 2015 Sep;49(6):571-80.

Smith RC, Boules S, Mattiuz S, Youssef M, Tobe RH, Sershen H, Lajtha A, Nolan K, Amiaz R, Davis JM. Effects of transcranial direct current stimulation (tDCS) on cognition, symptoms, and smoking in schizophrenia: A randomized controlled study. *Schizophr Res*. 2015 Jul 16.

Sullivan RM, Perry RE. Mechanisms and Functional Implications of Social Buffering in Infants: Lessons from Animal Models. *Soc Neurosci*. 2015 Sep 1.

Van Lancker Sidtis D, Choi J, Alken A, Sidtis JJ. Formulaic Language in Parkinson's and Alzheimer's disease: Complementary effects of subcortical and cortical dysfunction. *J Speech Lang Hear Res*. 2015 Jul 16.

Vanderwal T, Kelly C, Eilbott J, Mayes LC, Castellanos FX. Inscapes: A movie paradigm to improve compliance in functional magnetic resonance imaging. *Neuroimage*. 2015 Aug 1; 122:222-232.

Yang Z, Jutagir DR, Koyama MS, Craddock RC, Yan CG, Shehzad Z, Castellanos FX, Di Martino A, Milham MP. Intrinsic brain indices of verbal working memory capacity in children and adolescents. *Dev Cogn Neurosci*. 2015 Aug 4.

Yelamanchili SV, Lamberty BG, Rennard DA, Morse BM, Hochfelder CG, Meays BM, Levy E, Fox HS. MiR-21 in Extracellular Vesicles Leads to Neurotoxicity via TLR7 Signaling in SIV Neurological Disease. *PLoS Pathog*. 2015 Jul 8;11(7):e1005032.

Yuan A, Sershen H, Veeranna, Basavarajappa BS, Kumar A, Hashim A, Berg M, Lee JH, Sato Y, Rao MV, Mohan PS, Dyakin V, Julien JP, Lee VM, Nixon RA. Functions of neurofilaments in synapses. *Mol Psychiatry*. 2015 Aug;20(8):915.

Yuan A, Hassinger L, Rao MV, Julien JP, Miller CC, Nixon RA. Dissociation of Axonal Neurofilament Content from Its Transport Rate. PLoS One. 2015 Jul 24;10(7):e0133848.

Zang YF, Zuo XN, Milham M, Hallett M. Toward a Meta-Analytic Synthesis of the Resting-State fMRI Literature for Clinical Populations. Biomed Res Int. 2015;2015:435265.

Baslow MH, Guilfoyle DN. [A Breakthrough in Understanding the Nature of Canavan Disease, a Human Spongiform Leukodystrophy due to Inborn Errors in the Gene Encoding for Aspartoacylase.](#) Brain Disorders & Therapy 2014;4(3):170.

Blackstad JS, Osen KK, Scharfman HE, Storm-Mathison J, Blackstad TW, Leergaard TB. [Hippocampal mossy cells in mink \(Neovison vison\).](#) 79. 2015.

Clark D, Haselgrove C, Kennedy DN, Liu Z, Milham M, Petrosyan P et al. [Harnessing cloud computing for high capacity analysis of neuroimaging data from NDAR.](#) Frontiers in Neuroscience . 2015. [Abstract]

Coffey BJ. [Complexities for Assessment and Treatment of Co-Occurring ADHD and Tics.](#) Current Developmental Disorders Reports 2015.

Garcia Murillo L, Cortese S, Anderson D, Di Martino A, Castellanos FX. Meta-analysis of locomotor activity measures in attention-deficit/hyperactivity disorder. [European Child & Adolescent Psychiatry 24\[1 Suppl. 1\],](#) S154. 2015. [Abstract]

Roy AK, Dennis TA, Warner CM. [A Critical Review of Attentional Threat Bias and Its Role in the Treatment of Pediatric Anxiety Disorders.](#) Journal of Cognitive Psychotherapy 2015;29(3):171-84.

Shehzad Z, Giavasis S, Li Q, Benhajali Y, Yan C, Yang Z et al. [The Preprocessed Connectomes Project Quality Assessment Protocol - a resource for measuring the quality of MRI data.](#) Frontiers in Neuroscience . 2015. [Abstract]

Wilson DA, Chapuis J, Sullivan RM. Cortical Olfactory Anatomy and Physiology. In: Doty RL, editor. [Handbook of Olfaction and Gustation.](#) Hoboken, NJ: John Wiley & Sons; 2015. p. 209-24.