

# The NKI Informer



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

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January / February, 2017

*Stuart Moss, MLS, Editor*

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## **DAN IOSIFESCU, MD, MSc** *Coming Soon to NKI*



As **announced** by NYU Langone Medical Center, **Dan Iosifescu, MD, MSc**, will soon join NKI and NYU Langone. Dr. Iosifescu is a clinician and scientist specializing in mood disorders. He will direct the Clinical Research department at NKI beginning in March.

Dr. Iosifescu's research is focused on novel pharmacological treatments (such as ketamine and other glutamatergic drugs) and devices (such as novel forms of magnetic stimulation) for patients with severe mood disorders (major depression and bipolar disorder) and anxiety disorders (PTSD). In his research, Dr. Iosifescu uses neuroimaging (MRI, MRS) and neurophysiology (quantitative EEG) techniques to evaluate structural, biochemical, and functional brain abnormalities in mood disorders and their impact on clinical treatment. In parallel, Dr. Iosifescu also focuses on the recognition and treatment of cognitive deficits associated with mood disorders.

After completing medical studies at the "Carol Davila" University in Bucharest, Romania, Dr. Iosifescu completed his internship and psychiatry residency at Massachusetts General Hospital (MGH) and McLean Hospital. His research training included a neuroimaging fellowship in the Neuroscience Laboratory at Harvard Medical School, a psychopharmacology fellowship in the MGH Mood and Anxiety Disorders Institute, and a fellowship in the Clinical Investigator Training Program at Harvard and MIT. Dr. Iosifescu also received a Master of Medical Science degree from Harvard University. Until 2010, Dr. Iosifescu was Associate Professor of Psychiatry at Harvard Medical School and a mood disorder researcher at MGH; he then was the Director of the Mood and Anxiety Disorders Program and Associate Professor of Psychiatry and Neuroscience at the Icahn School of Medicine at Mount Sinai.

Dr. Iosifescu has authored more than 100 papers in peer-reviewed medical journals, 14 book chapters, and more than 100 abstracts. He has received a series of prestigious prizes: the NARSAD Young Investigator Award (which he received twice), the Kaplen Award and the Livingston Award from Harvard Medical School, the American Psychiatric Association Young Investigator Award, the NCDEU New Investigator Award, and a National Institute for Mental Health K23 Career Development Award.

Welcome, Dan, to NKI!

## COMPLIANCE CORNER



By Karya Ottey, PhD  
IRB Director

### Understanding Good Clinical Practice (GCP)

Good Clinical Practice (GCP) refers to the regulations and requirements that govern the conduct of clinical research. It is an international ethical and scientific quality standard for the design, conduct, analysis, recording, performance, monitoring, and reporting of clinical trials that provides assurance that the data and reported results are credible and accurate, and that the rights, integrity, and confidentiality of research subjects are protected.

Over the next few months, the Compliance Corner will be featuring aspects of GCP pertinent to the research enterprise at NKI. This issue will focus on requirements related to reporting and conduct of research.

#### Research Conduct Requirements for Investigators

NIH requires all investigators and staff involved in the conduct and managements of clinical trials to receive training on GCP. The requirement extends to cover individuals involved in the design, conduct, oversight, or management of clinical trials. The [policy](#) defines an investigator as the individual(s) responsible for the design and conduct of the clinical trial at a site. The policy also delineates that clinical trial staff that are responsible for study coordination, data collection, and data management should also complete the training. The policy applies to all NIH funded clinical trials, no matter where they are in the life cycle of the trial.

Although the federal policy only applies to studies that are supported by NIH funds, NKI has chosen to request that all human subject researchers at NKI

complete the GCP training module offered in the Collaborative Institutional Training Initiative (CITI) program. CITI is a web-based research educational curriculum designed to enhance the professionalism of investigators and staff conducting research. The topics available in the CITI courses cover **both** animal and human research. CITI provides comprehensive programs in multiple areas including the protection of human subjects in research, understanding how to protect different animals used in research, the responsible conduct of research, and health information privacy. At a minimum, human subject researchers should complete the Basic and the GCP courses available at <https://www.citiprogram.org>.

#### Reporting Requirements for Clinical Trials

At the end of 2016, the Department of Health and Human Services (HHS) issued [new rules](#) on announcing clinical trials and reporting their results. The rule addresses clinical trials registration and summary results information submissions that should be made to the ClinicalTrials.gov website. HHS published a [summary of changes](#) from current practice to clarify which trials need to register and what information they need to report under the new rules. Investigators at NKI should be familiar with the requirements for posting to ClinicalTrials.gov.

If you have questions, please contact the NKI IRB at [NKIIRB@nki.rfmh.org](mailto:NKIIRB@nki.rfmh.org).

## FUNDING NEWS



[Tracy Butler, MD](#), a Research Assistant Professor of Neurology and Psychiatry at New York University, was awarded a NARSAD Young Investigator grant in 2015. Currently, Dr. Butler is conducting PET imaging research with schizophrenia patients at Manhattan Psychiatric Center, where she is on staff as a neurologist.

## FROM AROUND THE INSTITUTE



Come to **BRAIN DAY** at NKI !  
Saturday, March 11, 2017

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<http://rocklandsample.org/>


  


nature

The pioneering role played by NKI researchers in the sharing of neuroimaging data is mentioned in the Technology Feature in the January 26 issue of *Nature* ("**Big Brain, Big Data**"). Although previously, "no one was even thinking about sharing data, only software,"

*"That changed in late 2009, when researchers at the Nathan S. Kline Institute for Psychiatric Research in Orangeburg, New York, released resting-state functional MRI (fMRI) data into the NITRC from more than 1,200 volunteers, collected for the 1000 Functional Connectomes Project (FCP). These were just pooled raw data — yet within a few weeks, NITRC users had downloaded the data set 700 times. 'There was such a pent-up demand for data people could freely download and play with.'"*

The rest, as they say, is history – with thousands of data downloads, and many dozens of publications resulting from the use of NKI's shared datasets.



## PUBLICATIONS OF NOTE



**Dr. Ralph Nixon**, Director of the Center for Dementia Research, served as Guest Editor for a [special issue](#) of *Ageing Research Reviews* on "Lysosomes in Aging". In addition to an editorial by Dr. Nixon, the issue includes two articles by CDR investigators.

Nixon RA. New perspectives on lysosomes in ageing and neurodegenerative disease. *Ageing Res Rev.* 2016 Dec;32:1.

Mathews PM, Levy E. Cystatin C in aging and in Alzheimer's disease. *Ageing Res Rev.* 2016 Dec;32:38-50.

Colacurcio DJ, Nixon RA. Disorders of lysosomal acidification-The emerging role of v-ATPase in aging and neurodegenerative disease. *Ageing Res Rev.* 2016 Dec;32:75-88.



Drs. **Crystal Lewis** and **Pamela Valera** (Social Solutions and Services) both recently published papers in *AIDS and Behavior*.

Crawford ND, Ford C, Rudolph A, Kim B, Lewis CM. Drug use Discrimination Predicts Formation of High-Risk Social Networks: Examining Social Pathways of Discrimination. *AIDS Behav.* 2016 Dec 26.

Valera P, McClernon FJ, Burkholder G, Mugavero MJ, Willig J, O'Cleirigh C, Cropsey KL. A Pilot Trial Examining African American and White Responses to Algorithm-Guided Smoking Cessation Medication Selection in Persons Living with HIV. *AIDS Behav.* 2016 Dec 9.



The American Journal of  
**Psychiatry**

**Joshua Kantrowitz, MD** (Schizophrenia Research) is the first author of this paper on d-Cycloserine appearing in the December issue of *The American Journal of Psychiatry*.

Kantrowitz JT, Milak MS, Mao X, Shungu DC, Mann JJ. d-Cycloserine, an NMDA Glutamate Receptor Glycine Site Partial Agonist, Induces Acute Increases in Brain Glutamate Plus Glutamine and GABA Comparable to Ketamine. *Am J Psychiatry*. 2016 Dec 1;173(12):1241-1242.



**Childhood  
OBESITY**

Deputy Director **Antonio Convit, MD**, is the senior author of this recent paper appearing in *Childhood Obesity*.

Yau PL, Ross N, Tirsi A, Arif A, Ozinci Z, Convit A. Insulin Sensitivity and Inflammation Mediate the Impact of Fitness on Cerebrovascular Health in Adolescents. *Child Obes*. 2017 Jan 16.



**DRUG AND ALCOHOL  
Dependence**

**Xavier Castellanos, MD** (Child and Adolescent Psychiatry) and colleagues published this paper on alcohol abuse using NKI-Rockland Sample data.

Zhao Y, Zheng ZL, Castellanos FX. Analysis of alcohol use disorders from the Nathan Kline Institute-Rockland Sample: Correlation of brain cortical thickness with neuroticism. *Drug Alcohol Depend*. 2017 Jan 1;170:66-73.



**BRAIN**  
A JOURNAL OF NEUROLOGY

**Dr. Kantrowitz, Dr. Daniel Javitt**, and others at NKI (Schizophrenia Research) published an article on D-serine in schizophrenia in the December issue of *Brain*. This research is described in a Columbia University Medical Center [press release](#) titled “Hearing deficits in schizophrenia tied to specific brain receptor”.

Kantrowitz JT, Epstein ML, Beggel O, Rohrig S, Lehrfeld JM, Revheim N, Lehrfeld NP, Reep J, Parker E, Silipo G, Ahissar M, Javitt DC. Neurophysiological mechanisms of cortical plasticity impairments in schizophrenia and modulation by the NMDA receptor agonist D-serine. *Brain*. 2016 Dec;139(Pt 12):3281-3295.



**APPLIED  
ECONOMICS**

**Kristine Jones, PhD**, who recently retired from the Services Research department, coauthored this paper on mental health and employment.

Mitra S, Jones K. The impact of recent mental health changes on employment: new evidence from longitudinal data. *Applied Economics* 2017;49(1):96-109.



Trends in  
**Cognitive  
Sciences**

Drs. **Michael Milham** and **Stan Colcombe** (Center for Biomedical Imaging and Neuromodulation) are coauthors of this *Trends* review on connectomics.

Zuo XN, He Y, Betzel RF, Colcombe S, Sporns O, Milham MP. Human Connectomics across the Life Span. *Trends Cogn Sci*. 2017 Jan;21(1):32-45.



**Elizabeth Phelps, PhD** (Emotional Brain Institute) is a coauthor of this paper published online in *Nature Neuroscience*. This work on emotion and memory was highlighted in an [NYU press release](#).

Tambini A, Rimmele U, Phelps EA, Davachi L. Emotional brain states carry over and enhance future memory formation. *Nat Neurosci*. 2016 Dec 26.



Exosomes and  
Microvesicles

Methods and Protocols

**Efrat Levy, PhD** (Center for Dementia Research) and several NCI colleagues have a paper in a recent *Methods in Molecular Biology* volume.

Pérez-González R, Gauthier SA, Kumar A, Saito M, Saito M, Levy E. A Method for Isolation of Extracellular Vesicles and Characterization of Exosomes from Brain Extracellular Space. *Methods Mol Biol*. 2017;1545:139-151.



Human Molecular  
Genetics

Drs. **Dun-Sheng Yang, Ralph Nixon**, and other members of the Nixon Lab (Center for Dementia Research) have a new paper in *Human Molecular Genetics*.

Yang DS, Stavrides P, Kumar A, Jiang Y, Mohan PS, Ohno M, Dobrenis K, Davidson CD, Saito M, Pawlik M, Huo C, Walkley SU, Nixon RA. Cyclodextrin has conflicting actions on autophagy flux in vivo in brains of normal and Alzheimer model mice. *Hum Mol Genet*. 2017 Jan 5.



LEARNING  
&  
MEMORY

Two papers by Emotional Brain Institute coauthors **Robert Sears, Joseph LeDoux**, and **Elizabeth Phelps** appear in the January issue of *Learning & Memory*.

Wigstrand MB, Schiff HC, Fyhn M, LeDoux JE, Sears RM. Primary auditory cortex regulates threat memory specificity. *Learn Mem*. 2017;24(1):55-58.

Patil A, Murty VP, Dunsmoor JE, Phelps EA, Davachi L. Reward retroactively enhances memory consolidation for related items. *Learn Mem*. 2017;24(1):65-69.



SCHIZOPHRENIA  
RESEARCH

**Dr. Menahem Krakowski** (Clinical Research) and **Pal Czobor** published a paper on aggression in schizophrenia in *Schizophrenia Research*. Also in this journal, **Jim Robinson** (Information Sciences) is a coauthor of the latest RAISE publication.

Krakowski MI, Czobor P. Proneness to aggression and its inhibition in schizophrenia: Interconnections between personality traits, cognitive function and emotional processing. *Schizophr Res*. 2016 Dec 19.

Browne J, Penn DL, Meyer-Kalos PS, Mueser KT, Estroff SE, Brunette MF, Correll CU, Robinson J, Rosenheck RA, Schooler N, Robinson DG, Addington J, Marcy P, Kane JM. Psychological well-being and mental health recovery in the NIMH RAISE early treatment program. *Schizophr Res*. 2016 Nov 29.

## INFO UPDATE



**PsychiatryOnline** has integrated Altmetric badges into its journals content. Altmetric LLP collects article level data and tracks the online conversations around research papers via a



selection of online indicators (both scholarly and non-scholarly) to give a measurement of digital impact and reach. For more information, you can read [this interview](#) with the Editorial Director of Journals at APA Publishing. And [this video](#) provides background on Altmetric badges.

## ALTBIB

Alternatives to Animal Testing

**ALTBIB** is a National Library of Medicine (NLM) portal providing Resources for Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing. If you are not familiar with ALTBIB, a recent webinar – [Using ALTBIB: What, Why and How!](#) – provides some guidance.

For more where that came from, you can find a variety of tutorials and other training materials on PubMed and other NLM topics [here](#).



The **Human Genome Resources** site is a new portal from the National Center for Biotechnology Information (NCBI). The site organizes a variety of visualization, analysis, and molecular data tools relevant to the human genome. The portal also includes a listing of related learning resources such as webinars and tutorials.



The **NKI publications database**, which contains over 5,000 references dating back to 1995, can now be accessed on myNKI. In the right hand column under Research Resources and Information, look for the Publications link near the bottom. Just above Publications, you will also find a link to the **NKI Health Sciences Library** site. The publications search provides a convenient way to discover work done by NKI-affiliated researchers. You can search using author names, journal titles, dates, reference type, and keywords. The NKI publications database is updated regularly.



**NOVELNY** is the New York Online Virtual Electronic Library, which provides a wide variety of resources – books, magazines, newspapers, research and reference sources, and more to all New York State residents. These resources are available online at no cost. Recently, a change was implemented to enable more accurate authentication by using geolocation. Users accessing NOVELNY databases may now be asked for permission to use their location to determine if they are in New York. This will provide them with seamless access to all NOVELNY resources. If the user prefers not to give permission, the authentication will use their IP number to determine if they are in New York, and if the system cannot determine if they are in the state, it will allow them to log in using their public library card or New York Driver License/New York Non-Driver ID.

For more information about NOVELNY and to search the databases, go to [novelnewyork.org](#).

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.

## DEPARTMENT OF WONDER



At the end of the year, [NIH Research Matters](#) again compiled an annual sampling of NIH-funded research highlights, covering [Clinical Breakthroughs](#), [Promising Medical Advances](#), and [Insights from the Lab](#). In 2016, basic research highlights in neuroscience included an [improved map of the brain](#) and [insight into the brain's waste disposal system](#).

Click [here](#) for a printable PDF of the 2016 Research Highlights.

You'll find more 2016 research highlights in the [first NIH Director's Blog of 2017](#). There, Dr. Collins features some of the NIH-funded advances that were lauded by *Science* magazine as [Breakthroughs of the Year](#).

## The New York Times

If you feel like medical and nutritional advice (including recommendations from respected organizations) seems to change from week to week, you are not alone. [This New York Times article](#) explains why this occurs, and recommends a healthy skepticism about these recommendations, especially regarding nutrition.

## UPCOMING EVENTS AND SEMINARS

### Center for Dementia Research Seminar Series

*Held on Thursdays at 10 am*

#### **Laszlo Zaborszky, MD, PhD**

Professor of Neuroscience  
Rutgers University – Newark, NJ

***Title TBA***

February 16<sup>th</sup>

Hosted by Dr. Helen Scharfman

#### **Ann Marie Schmidt, MD**

Professor, Departments of Medicine, Biochemistry  
and Molecular Pharmacology, and Pathology  
NYU School of Medicine

***Title TBA***

February 23<sup>rd</sup>

Hosted by Dr. Paul Mathews

#### **Martin Sadowski, MD, PhD**

Associate Professor of Neurology, Psychiatry,  
and Biochemistry and Molecular Pharmacology  
NYU School of Medicine

***Title TBA***

March 16<sup>th</sup>

Hosted by Dr. Efrat Levy

**Center for Biomedical Imaging and  
Neuromodulation Seminar Series**

**Paula Croxson, PhD**

Mt. Sinai

***Multi-Modal Characterization of  
Memory Networks***

Wednesday, February 8<sup>th</sup>, 11 am

**Khena Marie Iyer Swallow, PhD**

Cornell University

***Title TBA***

Monday, April 3<sup>rd</sup>, 11 am



**Statewide Grand Rounds**

***Introduction to Cognitive Behavioral  
Therapy for Insomnia***

**Presenter: Wilfred Pigeon, PhD**

Associate Professor of Psychiatry & Public Health  
Services, University of Rochester  
Medical Center Director, VA Center of Excellence  
for Suicide Prevention

**Moderator: Jay Carruthers, MD**

Medical Director, Bureau of Psychiatric Services &  
Research Institute Support, NYS OMH

Wednesday, February 15<sup>th</sup>

1:00 – 2:30 pm

Director's Conference Room



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 by OMH employees [on the OMH intranet](#). Anyone can view the programs [on the OMH website](#).

***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 5,300 items dating back to 1995, and can be searched from the [NKI web site](#).

Abraham A, Milham MP, Di Martino A, Craddock RC, Samaras D, Thirion B, Varoquaux G. Deriving reproducible biomarkers from multi-site resting-state data: An Autism-based example. *Neuroimage*. 2016 Nov 16;147:736-745.

Arango-Lievano M, Peguet C, Catteau M, Parmentier ML, Wu S, Chao MV, Ginsberg SD, Jeanneteau F. Deletion of Neurotrophin Signaling through the Glucocorticoid Receptor Pathway Causes Tau Neuropathology. *Sci Rep*. 2016 Nov 16;6:37231.

Bisaga A, Laposata M, Xie S, Evans SM. Comparison of serum fatty acid ethyl esters and urinary 5-hydroxytryptophol as biochemical markers of recent ethanol consumption. *Alcohol Alcohol*. 2005 May-Jun;40(3):214-8.

Bradley KA, Case JA, Freed RD, Stern ER, Gabbay V. Neural correlates of RDoC reward constructs in adolescents with diverse psychiatric symptoms: A Reward Flanker Task pilot study. *J Affect Disord*. 2016 Dec 1.



Browne J, Penn DL, Meyer-Kalos PS, Mueser KT, Estroff SE, Brunette MF, Correll CU, Robinson J, Rosenheck RA, Schooler N, Robinson DG, Addington J, Marcy P, Kane JM. Psychological well-being and mental health recovery in the NIMH RAISE early treatment program. *Schizophr Res*. 2016 Nov 29.

Crawford ND, Ford C, Rudolph A, Kim B, Lewis CM. Drug use Discrimination Predicts Formation of High-Risk Social Networks: Examining Social Pathways of Discrimination. *AIDS Behav*. 2016 Dec 26.

Dallérac G, Graupner M, Knippenberg J, Martinez RC, Tavares TF, Tallot L, El Massioui N, Verschueren A, Höhn S, Bertolus JB, Reyes A, LeDoux JE, Schafe GE, Diaz-Mataix L, Doyère V. Updating temporal expectancy of an aversive event engages striatal plasticity under amygdala control. *Nat Commun*. 2017 Jan 9;8:13920.

Del Bene VA, Foxe JJ, Ross LA, Krakowski MI, Czobor P, De Sanctis P. Neuroanatomical Abnormalities in Violent Individuals with and without a Diagnosis of Schizophrenia. *PLoS One*. 2016 Dec 28;11(12):e0168100.

Fox JK, Masia Warner C. Assessing Clinical Improvement in School-Based Treatment for Social Anxiety Disorder: Agreement Between Adolescents, Parents, and Independent Evaluators. *Child Psychiatry Hum Dev*. 2016 Nov 22.

Garcia-Delgar B, Morer A, Luber MJ, Coffey BJ. Obsessive-Compulsive Disorder, Tics, and Autoinflammatory Diseases: Beyond PANDAS. *J Child Adolesc Psychopharmacol*. 2016 Nov;26(9):847-850.

Garner AS, Storfer-Isser A, Szilagyi M, Stein RE, Green CM, Kerker BD, O'Connor KG, Hoagwood KE, McCue Horwitz S. Promoting Early Brain and Child Development: Perceived Barriers and the Utilization of Resources to Address Them. *Acad Pediatr*. 2016 Nov 24.

Hansen H, Metzl JM. New Medicine for the U.S. Health Care System: Training Physicians for Structural Interventions. *Acad Med*. 2017 Jan 10.

Jankovic J, Jimenez-Shahed J, Budman C, Coffey B, Murphy T, Shprecher D, Stamler D. Deutetrabenazine in Tics Associated with Tourette Syndrome. *Tremor Other Hyperkinet Mov (N Y)*. 2016 Nov 7;6:422.

Kantrowitz JT, Milak MS, Mao X, Shungu DC, Mann JJ. d-Cycloserine, an NMDA Glutamate Receptor Glycine Site Partial Agonist, Induces Acute Increases in Brain Glutamate Plus Glutamine and GABA Comparable to Ketamine. *Am J Psychiatry*. 2016 Dec 1;173(12):1241-1242.

Kantrowitz JT, Epstein ML, Beggel O, Rohrig S, Lehrfeld JM, Revheim N, Lehrfeld NP, Reep J, Parker E, Silipo G, Ahissar M, Javitt DC. Neurophysiological mechanisms of cortical plasticity impairments in schizophrenia and modulation by the NMDA receptor agonist D-serine. *Brain*. 2016 Dec;139(Pt 12):3281-3295.

Kelly C, Castellanos FX, Tomaselli O, Lisdahl K, Tamm L, Jernigan T, Newman E, Epstein JN, Molina BS, Greenhill LL, Potkin SG, Hinshaw S, Swanson JM; MTA Neuroimaging Group.. Distinct effects of childhood ADHD and cannabis use on brain functional architecture in young adults. *Neuroimage Clin*. 2016 Sep 15;13:188-200.

Krakowski MI, Czobor P. Proneness to aggression and its inhibition in schizophrenia: Interconnections between personality traits, cognitive function and emotional processing. *Schizophr Res*. 2016 Dec 19.

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Liem F, Varoquaux G, Kynast J, Beyer F, Masouleh SK, Huntenburg JM, Lampe L, Rahim M, Abraham A, Craddock RC, Riedel-Heller S, Luck T, Loeffler M, Schroeter ML, Witte AV, Margulies DS. Predicting brain-age from multimodal imaging data captures cognitive impairment. *Neuroimage*. 2016 Nov 23.

Mehdi A, Schweinsburg BC, Zehgeer A, Connor DF, Lubner MJ, Coffey BJ. Challenges in the Psychopharmacological Management of Very Early-Onset Schizophrenia and Anxiety. *J Child Adolesc Psychopharmacol*. 2016 Dec;26(10):944-947.

Nixon RA. New perspectives on lysosomes in ageing and neurodegenerative disease. *Ageing Res Rev*. 2016 Dec;32:1.

Ostroff LE, Botsford B, Gindina S, Cowansage KK, LeDoux JE, Klann E, Hoeffler C. Accumulation of polyribosomes in dendritic spine heads, but not bases and necks, during memory consolidation depends on cap-dependent translation initiation. *J Neurosci*. 2017 Jan 13.

Patil A, Murty VP, Dunsmoor JE, Phelps EA, Davachi L. Reward retroactively enhances memory consolidation for related items. *Learn Mem*. 2016 Dec 15;24(1):65-69.

Peng KY, Mathews PM, Levy E, Wilson DA. Apolipoprotein E4 causes early olfactory network abnormalities and short-term olfactory memory impairments. *Neuroscience*. 2016 Dec 18;343:364-371.

Pérez-González R, Gauthier SA, Kumar A, Saito M, Saito M, Levy E. A Method for Isolation of Extracellular Vesicles and Characterization of Exosomes from Brain Extracellular Space. *Methods Mol Biol*. 2017;1545:139-151.

Scharfman HE, MacLusky NJ. Sex differences in hippocampal area CA3 pyramidal cells. *J Neurosci Res*. 2017 Jan 2;95(1-2):563-575.

Sokol-Hessner P, Raio CM, Gottesman SP, Lackovic SF, Phelps EA. Acute stress does not affect risky monetary decision-making. *Neurobiol Stress*. 2016 Nov 2;5:19-25.

Tambini A, Rimmele U, Phelps EA, Davachi L. Emotional brain states carry over and enhance future memory formation. *Nat Neurosci*. 2016 Dec 26.

Valera P, McClernon FJ, Burkholder G, Mugavero MJ, Willig J, O'Cleirigh C, Cropsey KL. A Pilot Trial Examining African American and White Responses to Algorithm-Guided Smoking Cessation Medication Selection in Persons Living with HIV. *AIDS Behav*. 2016 Dec 9.

Valera P, Chang Y, Lian Z. HIV risk inside U.S. prisons: a systematic review of risk reduction interventions conducted in U.S. prisons. *AIDS Care*. 2016 Dec 27:1-10.

Wiggestrand MB, Schiff HC, Fyhn M, LeDoux JE, Sears RM. Primary auditory cortex regulates threat memory specificity. *Learn Mem*. 2016 Dec 15; 24(1):55-58.

Yang DS, Stavrides P, Kumar A, Jiang Y, Mohan PS, Ohno M, Dobrenis K, Davidson CD, Saito M, Pawlik M, Huo C, Walkley SU, Nixon RA. Cyclodextrin has conflicting actions on autophagy flux in vivo in brains of normal and Alzheimer model mice. *Hum Mol Genet*. 2017 Jan 5.

Yau PL, Ross N, Tirsi A, Arif A, Ozinci Z, Convit A. Insulin Sensitivity and Inflammation Mediate the Impact of Fitness on Cerebrovascular Health in Adolescents. *Child Obes*. 2017 Jan 16.

Zhao Y, Zheng ZL, Castellanos FX. Analysis of alcohol use disorders from the Nathan Kline Institute-Rockland Sample: Correlation of brain cortical thickness with neuroticism. *Drug Alcohol Depend*. 2017 Jan 1;170:66-73.

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Ardekani B, Bermudez EM, Bachman A. Sex-specific prediction of Alzheimer's disease dementia in MCI. *Alzheimer's and Dementia* 12[7 Suppl.], P709-P710. 2016. [Abstract]

Brueggen K, Kasper E, Dyrba M, Bruno D, Pomara N, Ewers M et al. Association of hippocampal resting state networks and the primacy effect as a marker of consolidation in amnesic MCI. *Alzheimer's and Dementia* 12[7 Suppl.], P714. 2016. [Abstract]

Di Martino A, Choi EY, Jones RM, Castellanos FX, Mukerji A. Imaging the striatum in autism spectrum disorder. In: Casanova MF, El-Baz A, Suri JS, editors. *Autism Imaging and Devices*. CRC Press; 2017.

Edelsberg K, Kayser KE, Kirschner E, Opendak MM, Sullivan RM, Serrano PA. Amygdala protein kinase m zeta (PKMzeta) increases with functional emergence of amygdala-dependent fear learning in rat pups. *Journal of the American Academy of Child & Adolescent Psychiatry* 55[10 Suppl. 1], S193. 2016. [Abstract]

Gabbay V, Garvey M. Research domain criteria (RDoC) research strategies in pediatric mental health. *Journal of the American Academy of Child & Adolescent Psychiatry* 55[10 Suppl. 1], S331. 2016. [Abstract]

Goldfarb EV, Phelps EA. Stress and the trade-off between hippocampal and striatal memory. *Current Opinion in Behavioral Sciences* 2017;14:47-53.

Khan A, Atkins AS, Stroescu I, Davis V, Williamson T, Mozley LH et al. Assessing the impact of a centralized data review on the reliability of the Alzheimer's disease assessment scale cognitive

(ADAS-Cog). *Alzheimer's and Dementia* 12[7 Suppl.], P1145. 2016. [Abstract]

Martinez A, Gaspar P, Hoptman M, Patel G, Corcoran C, Javitt D. Contribution of impaired motion processing to affect recognition deficits in schizophrenia. *Neuropsychopharmacology* 41, S566-S567. 2016. [Abstract]

Mitra S, Jones K. The impact of recent mental health changes on employment: new evidence from longitudinal data. *Applied Economics* 2017;49(1):96-109.

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