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

May /June, 2018

Stuart Moss, MLS, Editor

C-BIN WELCOMES New Members



Dr. Qawi Telesford joined NKI in August, 2017 as a Research Scientist. He received his PhD from Virginia Tech and Wake Forest University in biomedical engineering. His graduate research primarily focused on network science with application to neuroimaging data. Specifically, he used graph theory to study the effects of chronic alcohol self-administration in nonhuman primates. Most recently, he finished postdoctoral work at the University of Pennsylvania where he studied dynamic networks in human neuroimaging data.

Currently, Dr. Telesford works with Charles Schroeder and Michael Milham as member of the Center for Biomedical Imaging and Neuromodulation (C-BIN), where his work primarily focuses on simultaneous EEG and fMRI. Taking advantage of the temporal resolution of EEG and the spatial resolution of fMRI, they are exploring how the brain functions at rest and during natural video watching. He also has an interest in network science, particularly in the area of dynamic network analysis and temporal networks.



Zhen Yang, PhD, joined the Center for Biomedical Imaging and Neuromodulation (C-BIN) as a Research Scientist last July. Dr. Yang is interested in brain functions and their relation to psychiatric disorders. She was trained in neuroimaging and clinically-focused research during her pre- and post-doctoral period. Before joining NKI, she worked as an Instructor in the Department of Psychiatry at the University of Pennsylvania, where she used fMRI to understand neural substrates underlying treatment responses to Cognitive Behavioral Therapy in affective disorders. Here at NKI, she combines multimodal imaging and neuromodulation techniques to delineate and test circuit-level models of brain function and to identify trans-diagnostic imaging markers of psychiatric disorders.

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NKI also welcomes **Dr. Lang Yoo**, a postdoc who joined the Nixon Lab (Dementia Research) in April. Dr. Yoo obtained her BS and MS in Molecular Biology from Sejong University (Seoul, Korea) and her PhD in Molecular Neurobiology from Yonsei University (also in Seoul). She then worked as a postdoctoral fellow at Yonsei University. She specialized in biochemical and cell biological techniques to analyze post-translational modifications and signal transduction.

GRANTS RECEIVED



Dr. Pamela Butler (Clinical Research) received a two year R21 grant titled "Social Reward Learning in Schizophrenia".



Dr. Charles Schroeder and co-PI Dr. Michael Milham (Biomedical Imaging & Neuromodulation) were awarded Administrative and Diversity supplements associated with their R01 grant titled "Defining Neuronal Circuits and Cellular Processes Underlying Resting fMRI Signals".



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Dr. Emily Stern's (Clinical Research) five year R01 grant titled "<u>Neurobiology of Sensory Phenomena</u> in <u>Obsessive-Compulsive Disorder</u>" has been transferred from Mt. Sinai to NYU and NKI. The grant is a collaboration between NYU and NKI.



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Dr. Russ Tobe (Outpatient Research) received a three year subcontract on an R01 grant awarded to Dr. Elizabeth Phelps titled "<u>Stress, Arousal and Mood: Affective Influences on Decisions under Uncertainty</u>". The grant is a collaboration between NYU and NKI.

FROM AROUND THE INSTITUTE

KUDOS

Nurse's Recognition Award

At Nurse Recognition Day on May 10, **Laura Panek**, **RN** (Outpatient Research) received the Nurse's Recognition Award. In Laura's absence, the award was accepted by Liz Falco and later presented to Laura (photo below). Laura was acknowledged with these words:

"This nominee is a superb candidate for this award. She is unique in her many years of service to our community. Not only for her clinical contributions but her efforts in advancing treatments and understanding of mental illness through scientific work and her tireless efforts in community service. The winner in the administrative category is ... Laura Panek, RN."





Mary Griffin, PsyD, has accepted a position as Employee Assistance Program (EAP) Coordinator for RPC, NKI, RCPC, Blaisdell, and Cook Chill. Dr. Griffin has been a psychologist at RPC since 2006, working both on the units and in a supervisory role. Dr. Griffin received her doctorate from Argosy University in Atlanta. Her training also included placements at Emory Center for Rehabilitation, Westborough State Hospital, University of Medicine and Dentistry of NJ, and MHA Elmsford Clinic. Her career has focused primarily on clinical care, emphasizing an empathic, solution-focused approach.



In her new role as EAP Coordinator, Dr. Griffin provides services to all NYS and RFMH employees and their families. NYS EAP was established in 1983 to help State employees balance the demands of work, home, and life. EAP provides information, assessment, and referral to community resources to address a broad range of issues and concerns. Services with Dr. Griffin are confidential, provided at no cost, and every effort is made to ensure that community referrals are coordinated with health benefits. Dr. Griffin assists employees in identifying and resolving personal, family, and workplace issues so they can live healthier, happier, and more productive lives. As EAP Coordinator, she also collaborates with the RPC Campus EAP/Wellness Committee to bring health and wellness events to our facilities. New committee members are welcome. Contact Dr. Griffin at 845-680-7780 or Mary.Griffin@omh.ny.gov to learn more or make an appointment. Look for her emails for information and health and wellness opportunities available to all staff.

OMH Grand Rounds

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NKI Director **Donald Goff, MD** presented the OMH Statewide Grand Rounds in May, on the topic of "Long Acting Injectables for the OMH Patient Population: Pros & Cons". The panelist for the program was Anca Amighi, MD (Clinical Director, South Beach Psychiatric Center) and the moderator was Jay Carruthers, MD (Medical Director, Bureau of Psychiatric Services for NYS OMH). OMH Grand Rounds are archived on the OMH HUB website, and this program can be viewed <u>here</u>.



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OMH Medical Director **Dr. Lloyd Sederer's** presentation at NKI last month coincided unfortunately with severe local weather, but there are a number of articles in popular outlets discussing the topic of his new book, *The Addiction Solution*. Two of these are "Breaking Addiction's Grip" in U.S. News and "9 Things That Matter about Psychoactive Drugs" on the Scientific American Observations blog.

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Liz Phelps, PhD (Emotional Brain Institute) was one of the featured speakers at a recent event at the Rubin Museum on <u>The Future of Evidence</u> – "How do we face a future when the long-held promise of visual and scientific evidence is increasingly precarious?" This event was part of a year-long thematic series at the Rubin on "The Future".



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The Rockland 5K run/walk benefiting the programs of the Mental Health Association (MHA) of Rockland and NAMI Rockland was held on May 19 at Rockland Lake. Pictured above at the finish line is **Xiaoping Guo** who works in NKI's Central Reference Lab, where he performs routine sample assays from the OMH hospitals by gas chromatography.

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PUBLICATIONS OF NOTE

Neuron

Catia Teixeira (Emotional Brain Institute) is the first author of this new paper published in the June 6 issue of *Neuron*. She is also the lead author of a recent article in the *Journal of Alzheimer's Disease*.

Teixeira CM, Rosen ZB, Suri D, Sun Q, Hersh M, Sargin D, Dincheva I, Morgan AA, Spivack S, Krok AC, Hirschfeld-Stoler T, Lambe EK, Siegelbaum SA, Ansorge MS. <u>Hippocampal 5-HT Input</u> <u>Regulates Memory Formation and Schaffer</u> <u>Collateral Excitation</u>. Neuron. 2018 May 8. PMID: 29754752.



Teixeira CM, Pallas-Bazarra N, Bolós M, Terreros-Roncal J, Ávila J, Llorens-Martín M. <u>Untold New Beginnings: Adult Hippocampal</u> <u>Neurogenesis and Alzheimer's Disease</u>. J Alzheimers Dis. 2018 Mar 16. PMID: 29562522.



Deputy Director **Antonio Convit** and **Ricardo Osorio** (Clinical Research) are coauthors of this open access paper published by *BMJ*.

Mosconi L, Walters M, Sterling J, Quinn C, McHugh P, Andrews RE, Matthews DC, Ganzer C, Osorio RS, Isaacson RS, De Leon MJ, Convit A. Lifestyle and vascular risk effects on MRI-based biomarkers of Alzheimer's disease: a crosssectional study of middle-aged adults from the broader New York City area. BMJ Open. 2018 Mar 23; 8(3):e019362. PMID: 29574441.

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Numerous members of the **Center for Biomedical Imaging and Neuromodulation** contributed to this open access article appearing in *Cell Reports*. **Ting Xu** and **Michael Milham** are the corresponding authors.

Xu T, Falchier A, Sullivan EL, Linn G, Ramirez JSB, Ross D, Feczko E, Opitz A, Bagley J, Sturgeon D, Earl E, Miranda-Domínguez O, Perrone A, Craddock RC, Schroeder CE, Colcombe S, Fair DA, Milham MP. <u>Delineating the Macroscale</u> <u>Areal Organization of the Macaque Cortex</u> <u>In Vivo</u>. Cell Rep. 2018 Apr 10;23(2):429-441. PMID: 29642002.



In this *Current Opinion in Behavioral Sciences* paper, **Regina Sullivan** and **Maya Opendak** (Emotional Brain Institute) review the neurobiology of survival circuits and their transitions during development.

Sullivan RM, Opendak M. <u>Developmental and</u> <u>neurobehavioral transitions in survival circuits</u>. Current Opinion in Behavioral Sciences 2018; 24:50-5.

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Emotional Brain Institute Director **Joseph LeDoux** coauthored this paper published in the May issue of *Nature Reviews Neuroscience*.

LeDoux J, Daw ND. <u>Surviving threats: neural</u> <u>circuit and computational implications of a</u> <u>new taxonomy of defensive behaviour</u>. Nat Rev Neurosci. 2018 May;19(5):269-282. PMID: 29593300.

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Medical Anthropology Quarterly

International Journal for the Analysis of Health | Published by the Society for Medical Anthropology

With her NYU coauthors, **Helena Hansen** (Social Solutions & Services) has a new article in *Medical Anthropology Quarterly* looking at racial aspects of the opioid epidemic.

Mendoza S, Rivera AS, Hansen HB. <u>Re-racialization of Addiction and the</u> <u>Redistribution of Blame in the White Opioid</u> <u>Epidemic</u>. Med Anthropol Q. 2018 Apr 27. PMID: 29700845.



Brett East, Donald Wilson, and collaborators from NKI's **Emotional Brain Institute** and **Center for Dementia Research** published their latest paper in *Neuroscience*.

East BS, Fleming G, Peng K, Olofsson JK, Levy E, Mathews PM, Wilson DA. <u>Human</u> <u>Apolipoprotein E Genotype Differentially</u> <u>Affects Olfactory Behavior and Sensory</u> <u>Physiology in Mice</u>. Neuroscience. 2018 Jun 1;380:103-110. PMID: 29678753.



In this paper, **Stan Colcombe** (Biomedical Imaging & Neuromodulation) and coauthor Arthur Kramer revisit their 2003 meta-analysis on the effects of fitness on cognitive function of older adults. That earlier paper has been cited over 1,600 times.

Kramer AF, Colcombe S. <u>Fitness Effects on the</u> <u>Cognitive Function of Older Adults: A Meta-</u> <u>Analytic Study-Revisited</u>. Perspect Psychol Sci. 2018 Mar;13(2):213-217. PMID: 29592650.

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NKI Director **Donald Goff** and colleagues in China recently published this article in *Schizophrenia Research*.

Wang H, Zhang B, Zeng B, Tang Y, Zhang T, Zhao S, Li C, Wang J, Goff DC. <u>Association between</u> <u>catechol-O-methyltransferase genetic variation</u> <u>and functional connectivity in patients with</u> <u>first-episode schizophrenia</u>. Schizophr Res. 2018 May 3. PMID: 29730044.

INFO UPDATE

psychiatryonline.org

Lifelong Learning in Psychiatry*

With recent updates to <u>PsychiatryOnline</u>, the site now instantly adapts to mobile devices, no matter the screen size. Also, the Books menu now has a few options. The "<u>Premium Books</u>" collection includes the titles that are available in full text through NKI's license. These include a number of APA textbooks, the DSM library, as well as some other titles.

Also, *The American Journal of Psychotherapy* is now being published by American Psychiatric Publishing. Current and archival content is hosted on the PsychiatryOnline platform.



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This blog on the *NEJM Journal Watch* site provides a nice reminder and caveat about the insidious problem of "predatory" journals – "<u>Predatory</u> <u>Journals Are Such a Big Problem It's Not</u> <u>Even Funny</u>".

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As defined by NCBI, "a BioProject is a collection of biological data related to a single initiative, originating from a single organization or from a consortium. A BioProject record provides users a single place to find links to the diverse data types generated for that project." And now the updated **BioProject interface** allows you to filter by a variety of project attributes, making it easier to locate the BioProjects that interest you. To read more about these improvements, see <u>this NCBI</u> **Insights blog post**.



In a <u>recent NIMH Director's Message</u>, Dr. Joshua Gordon reviews the recommendations of the Genomics Working Group of the National Advisory Mental Health Council. The report delves into how researchers can make progress given the complexity of the genetic landscape underlying psychiatric disorders.



The <u>National Library of Medicine</u> (NLM) has redesigned its homepage. The new design features simplified navigation, improved access to news and highlights about NLM's work and training opportunities, and more direct access to NLM's most popular resources (including PubMed, MedlinePlus, and ClinicalTrials.gov). You can read more about the homepage redesign in the *NLM Technical Bulletin* here.

DEPARTMENT OF WONDER



While walking around the RPC grounds near the old Rockland Children's Center, **Dr. Jim Clelland** (Clinical Research) noticed what appeared to be remnants of train tracks in the woods. After doing some investigating, he determined that these are apparently what remains of a spur of the Piermont line that once delivered coal to the Rockland State Hospital power plant! You can see some evidence on this **old topographical map**.



In a <u>paper</u> recently published in *eNeuro*, scientists report experiments in which they transferred molecules from the brain cells of trained snails to untrained snails, causing the untrained animals to behave as if they had experienced the training. These experiments provide support for a nonsynaptic, epigenetic model of memory storage in this species. This *New York Times* article describes the research – "<u>Scientists Made Snails</u> <u>Remember Something That Never Happened to</u> <u>Them</u>".

Blackwell's Island Asylum

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In a new book called <u>Damnation Island: Poor, Sick,</u> <u>Mad, and Criminal in 19th-Century New York</u>, the author Stacey Horn recounts the troubled history of New York's institutions for some of its most vulnerable residents. The Blackwell's Island "Lunatic" Asylum for the mentally ill was part of a complex of buildings on what we now call Roosevelt Island. You can read a bit about that facility <u>here</u>. And you can listen to an interview with the author on this Midday segment on WNYC. 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 <u>link to the NKI Library's website</u> 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.

NKI ON THE ROAD

UPCOMING EVENTS AND SEMINARS

Center for Dementia Research Seminar Series

Held on Thursdays at 10 am

Javier Pacheco-Quinto, PhD

Biomedical Research Institute of New Jersey

Biomedical insights on Alzheimer's disease: lessons from A6 catabolism

June 21st

Statewide Grand Rounds

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Balancing Clinical & Statutory Responsibilities for Insanity Acquittees

Dr. Li-Wen Lee

Medical Director & Assistant Commissioner, Division of Forensic Services and Assistant Clinical Professor of Psychiatry, Columbia University

and

Dr. Matthew Grover

Forensic Coordinator, Bronx Psychiatric Center

Wednesday, June 20th 1:00 – 2:30 pm

Broadcast in the 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 <u>on</u> the OMH website.



Donald Wilson, PhD (Emotional Brain Institute) was a presenter at the <u>40th Annual Meeting</u> of the Association for Chemoreception Sciences held in April in Florida. Dr. Wilson co-chaired and spoke at a symposium on "Cholinergic modulation of olfactory function in health and disease". He also presented at a Satellite Symposium on "Central mechanisms for chemosensory processing and perception".

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 5,800 items dating back to 1995 and can be searched from the <u>myNKI website</u>.

Berti V, Walters M, Sterling J, Quinn CG, Logue M, Andrews R, Matthews DC, Osorio RS, Pupi A, Vallabhajosula S, Isaacson RS, de Leon MJ, Mosconi L. Mediterranean diet and 3-year Alzheimer brain biomarker changes in middle-aged adults. Neurology. 2018 May 15;90(20):e1789-e1798. PMID: 29653991.

Bikson M, Brunoni AR, Charvet LE, Clark VP, Cohen LG, Deng ZD, Dmochowski J, Edwards DJ, Frohlich F, Kappenman ES, Lim KO, Loo C, Mantovani A, McMullen DP, Parra LC, Pearson M, Richardson JD, Rumsey JM, Sehatpour P, Sommers D, Unal G, Wassermann EM, Woods AJ, Lisanby SH. Rigor and reproducibility in research with transcranial electrical stimulation: An NIMH-sponsored workshop. Brain Stimul. 2018 May - Jun;11(3):465-480. PMID: 29398575.

Bosch C, Masachs N, Exposito-Alonso D, Martínez A, Teixeira CM, Fernaud I, Pujadas L, Ulloa F, Comella JX, DeFelipe J, Merchán-Pérez A, Soriano E. Reelin Regulates the Maturation of Dendritic Spines, Synaptogenesis and Glial Ensheathment of Newborn Granule Cells. Cereb Cortex. 2016 Oct 17;26(11):4282-4298. PMID: 27624722.

Bruno D, Koscik RL, Woodard JL, Pomara N, Johnson SC. The recency ratio as predictor of early MCI. Int Psychogeriatr. 2018 Apr 18:1-6. PMID: 29667564.

D'Souza DC, Carson RE, Driesen N, Johannesen J, Ranganathan M, Krystal JH; Yale GlyT1 Study Group. Dose-Related Target Occupancy and Effects on Circuitry, Behavior, and Neuroplasticity of the Glycine Transporter-1 Inhibitor PF-03463275 in Healthy and Schizophrenia Subjects. Biol Psychiatry. 2018 Jan 31. PMID: 29499855. East BS, Fleming G, Peng K, Olofsson JK, Levy E, Mathews PM, Wilson DA. Human Apolipoprotein E Genotype Differentially Affects Olfactory Behavior and Sensory Physiology in Mice. Neuroscience. 2018 Jun 1;380:103-110. PMID: 29678753.

Galinsky VL, Martinez A, Paulus MP, Frank LR. Joint Estimation of Effective Brain Wave Activation Modes Using EEG/MEG Sensor Arrays and Multimodal MRI Volumes. Neural Comput. 2018 Apr 13:1-25. PMID: 29652588.

Gingrich JA, Malm H, Ansorge MS, Brown A, Sourander A, Suri D, Teixeira CM, Caffrey Cagliostro MK, Mahadevia D, Weissman MM. New Insights into How Serotonin Selective Reuptake Inhibitors Shape the Developing Brain. Birth Defects Res. 2017 Jul 17;109(12):924-932. PMID: 28714607.

Kramer AF, Colcombe S. Fitness Effects on the Cognitive Function of Older Adults: A Meta-Analytic Study-Revisited. Perspect Psychol Sci. 2018 Mar;13(2):213-217. PMID: 29592650.

LeDoux J, Daw ND. Surviving threats: neural circuit and computational implications of a new taxonomy of defensive behaviour. Nat Rev Neurosci. 2018 May;19(5):269-282. PMID: 29593300.

Mendoza S, Rivera AS, Hansen HB. Re-racialization of Addiction and the Redistribution of Blame in the White Opioid Epidemic. Med Anthropol Q. 2018 Apr 27. PMID: 29700845.

Mosconi L, Walters M, Sterling J, Quinn C, McHugh P, Andrews RE, Matthews DC, Ganzer C, Osorio RS, Isaacson RS, De Leon MJ, Convit A. Lifestyle and vascular risk effects on MRI-based biomarkers of Alzheimer's disease: a cross-sectional study of middle-aged adults from the broader New York City area. BMJ Open. 2018 Mar 23; 8(3):e019362. PMID: 29574441. Perry RE, Finegood ED, Braren SH, Dejoseph ML, Putrino DF, Wilson DA, Sullivan RM, Raver CC, Blair C; Family Life Project Key Investigators. Developing a neurobehavioral animal model of poverty: Drawing cross-species connections between environments of scarcity-adversity, parenting quality, and infant outcome. Dev Psychopathol. 2018 Apr 2:1-20. PMID: 29606185.

Prendergast DM, Karlsgodt KH, Fales CL, Ardekani BA, Szeszko PR. Corpus callosum shape and morphology in youth across the psychosis spectrum. Schizophr Res. 2018 Apr 12. PMID: 29656909.

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Teixeira CM, Pallas-Bazarra N, Bolós M, Terreros-Roncal J, Ávila J, Llorens-Martín M. Untold New Beginnings: Adult Hippocampal Neurogenesis and Alzheimer's Disease. J Alzheimers Dis. 2018 Mar 16. PMID: 29562522.

Teixeira CM, Ávila J, Llorens-Martín M. Versatile use of rtTA-expressing retroviruses in the study of neurodegeneration. Oncotarget. 2017 Feb 14; 8(7):10771-10772. PMID: 28061444.

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Wang HT, Bzdok D, Margulies D, Craddock C, Milham M, Jefferies E, Smallwood J. Patterns of thought: Population variation in the associations between large-scale network organisation and selfreported experiences at rest. Neuroimage. 2018 May 4. PMID: 29733956. Xu T, Falchier A, Sullivan EL, Linn G, Ramirez JSB, Ross D, Feczko E, Opitz A, Bagley J, Sturgeon D, Earl E, Miranda-Domínguez O, Perrone A, Craddock RC, Schroeder CE, Colcombe S, Fair DA, Milham MP. Delineating the Macroscale Areal Organization of the Macaque Cortex In Vivo. Cell Rep. 2018 Apr 10;23(2):429-441. PMID: 29642002.

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Cassano P, Petrie S, Mischoulon D, Cusin C, Katnani H, Yeung A et al. Neuromodulation with nearinfrared light for mood disorders: Targeting mitochondria. Bipolar Disorders 20[Suppl. 1], 46. 2018. [Abstract]

Corcoran C, Grinband J, Gowatsky J, Klim C, Hoptman M, Javitt D. Event-related repetitive TMS to right posterior STS (but not occipital face area) in healthy volunteers (HV) briefly recapitulates face emotion recognition (FER) deficits of schizophrenia (SZ). Schizophrenia Bulletin 44[Suppl. 1], S331. 2018. [Abstract]

Corcoran C, Carrillo F, Fernandez-Slezak D, Klim C, Bedi G, Javitt D et al. Language disturbance as a predictor of psychosis onset in youth at enhanced clinical risk. Schizophrenia Bulletin 44[Suppl. 1], S43-S44. 2018. [Abstract]

Courtiol E, Fontanini A. Chemosensory Thalamus (Introduction abstract of the symposium). Chemical Senses 44[4], E8. 2018. [Abstract]

Courtiol E, Wilson DA. Thalamic contribution to odor-guided behavior in rats. Chemical Senses 43[4], E9. 2018. [Abstract]

Khan A, Liharska L, Harvey P, Atkins A, Keefe R, Ulshen D. PANSS negative symptom dimensions across geographical regions: implications for social, linguistic and cultural consistency. Schizophrenia Bulletin 44[Suppl. 1], S159. 2018. [Abstract] Khan A, Lindenmayer JP, Ljuri I, Ozog V, Thanju A. Predictors of relapse: patient, disease, cognitive, and functional characteristics with comt gene val158met polymorphism in a2-year follow-up. Schizophrenia Bulletin 44[Suppl. 1], S275. 2018. [Abstract]

Lindenmayer JP, Goldring A, Hefner A, Khan A, Thanju A. Can patients with treatment resistant schizophrenia reliably report negative symptoms? Apilot study using the self-evaluation of negative symptoms scale. Schizophrenia Bulletin 44[Suppl. 1], S408-S409. 2018. [Abstract]

Lindenmayer JP, Sultana T, Kaur A, Yang R, Khan A, Kirstie-Kulsa M et al. Transcranial direct-current stimulation (tDCS) in patients with ultra-treatmentrefractory auditory hallucinations. Schizophrenia Bulletin 44[Suppl. 1], S129-S130. 2018. [Abstract]

Sevy S, Khan A, Lindenmayer JP, McGurk S, Parker B, Ljuri I et al. Cognitive correlates of the negative symptoms expressive and experiential deficit factors in psychosis. Schizophrenia Bulletin 44[Suppl. 1], S244. 2018. [Abstract]

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Warner CM, Colognori D, Lynch C. Helping Students Overcome Social Anxiety: Skills for Academic and Social Success (SASS). New York: Guilford; 2018.