



Volume 3 Issue 5  
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# Department of Psychiatry and Behavioral Sciences

## Education News

### **Please welcome our new Clinical Psychology PhD Program students for 2015-2016:**

**Meredith Craven**, Williams College (BA), Emory University (MPH), recruited into **Dr. Laurie Keefer's lab** (Behavioral Medicine Research and Clinical Emphases)

**Jennifer Gowins**, Northwestern University (BA, MS), recruited into **Dr. Jackie Gollan's lab** (Psychopathology & Treatment Research Emphasis, Adult Clinical Emphasis)

**Livia Guadagnoli**, University of Alabama Tuscaloosa (BA), recruited into **Dr. Laurie Keefer's lab** (Behavioral Medicine Research and Clinical Emphases)

**Sara Hoffman**, Grinnell College (BA), recruited into **Dr. Bonnie Spring's lab** (Behavioral Medicine Research and Clinical Emphases)

**Elizabeth Kaiser**, Butler University (BA), Boston University (MA), recruited into **Dr. Stephen Schueller's lab** (Psychopathology & Treatment Research Emphasis, Adult or Behavioral Medicine Clinical Emphases)

**Noël Slesinger**, Northwestern University (BA), recruited into **Dr. Jason Washburn's Lab** (Psychopathology & Treatment Research Emphasis, Child & Adolescent Clinical Emphasis)

**Virginia Terwilliger**, University of Virginia (BA), recruited into **Dr. James Reilly's lab** (Neuropsychology & Behavioral Neuroscience Research Emphasis, Clinical Neuropsychology Emphasis)

### **Internship Match Placements:**

**Adam Christensen** (Clinical Neuropsychology Emphasis, Wang Lab), VA Boston Healthcare System, Neuropsychology Track

**Megan Connolly** (Clinical Child & Adolescent Emphasis, Gollan Lab), Children's National Medical Center

**Anna Harrison** (Adult Clinical Emphasis, Teplin/Abram Lab), VA Palo Alto Health Care System

**Rachel Lawton** (Clinical Child & Adolescent Emphasis, Washburn Lab), Yale University Child Study Center, Pediatric Track

**Marquita Stokes** (Clinical Child & Adolescent Emphasis, Teplin/Abram Lab), Harvard Medical School/Children's Hospital of Boston

### **Postdoctoral Placements of our soon-to-be graduates:**

**Sarah Ballou** (Behavioral Medicine Emphasis, Keefer Lab), VA Boston Healthcare System, Behavioral Medicine Clinical Postdoctoral Fellowship

**Allison Clarke** (Clinical Child & Adolescent Emphasis, Reinecke Lab): La Rabida Children's Hospital, Pediatric Psychology Postdoctoral Fellowship

**Tamar Gefen** (Clinical Neuropsychology Emphasis, Weintraub Lab): Northwestern University, CNADC, Postdoctoral Clinical/Research Fellowship

**Mara Gustafson** (Adult Clinical Emphasis, Jordan Lab): Northwestern University Feinberg School of Medicine, Chief Fellow

**Jennifer Hershfield** (Clinical Child & Adolescent Emphasis, Teplin & Abram Lab): Children's Hospital of Los Angeles, Pediatric Psychology Postdoctoral Fellow

**Lindsey Sankin** (Adult Clinical Emphasis, Gollan Lab): New York Presbyterian Hospital - Weill Cornell Medical Center, Postdoctoral Fellowship

## News/Media

**Sheehan D. Fisher, PhD** (PI); Sponsor: Northwestern Memorial Hospital; Project title: Dual Parental Psychobiology Affects Parenting, Infant Stress, and Parental Mood; Project period: 1/1/15 - 12/31/15

**Gary M. McClelland, PhD** (PI); Sponsor: Substance Abuse and Mental Health Services Administration (via County of Lake); Project title: Lake County BHTCC; Project period: 10/1/14 - 9/30/15

**Matthew J. Smith, PhD, LCSW, MPE**, psychiatry and behavioral sciences, is quoted in several international and national media outlets regarding his recent article published in the journal *Hippocampus*.

**Smith MJ, Cobia DJ, Reilly JL, Gilman JM, Roberts AG, Alpert KA, Wang L, Breiter HC, Csernansky JC.** (in press). Cannabis-related episodic memory deficits and hippocampal morphological differences in healthy individuals and schizophrenia subjects. *Hippocampus*.

Original Press Release by Marla Paul at NU

<http://www.northwestern.edu/newscenter/stories/2015/03/teen-cannabis-users-have-poor-long-term-memory-in-adulthood.html>

WGN News Television, Interviewed by Katharin Czink

<http://wgntv.com/2015/03/12/study-says-long-term-marijuana-use-impacts-memory/>

Time Magazine by Alexandra Sifferlin

<http://time.com/3741267/teen-marijuana-memory/>

FOX News Feature by Melinda Carstensen

<http://www.foxnews.com/health/2015/03/12/frequent-marijuana-use-associated-with-long-term-memory-loss/>

Chicago Sun Times Feature by Becky Schlikerman

<http://chicago.suntimes.com/news/7/71/432767/marijuana-teens-memory-loss-northwestern>

Health day Feature by Amy Norton

<http://consumer.healthday.com/kids-health-information-23/adolescents-and-teen-health-news-719/teens-heavy-pot-smoking-tied-to-memory-problems-697325.html>

NBC News Feature by Maggie Fox

<http://www.nbcnews.com/storyline/legal-pot/kids-who-smoke-pot-grow-um-i-forget-n322476>

## Presentations and Conferences

**Abram SV, Wisner KM, Fox JM, Wang L, DeYoung CG, MacDonald III AW, Smith MJ.** (2015). Resting State Connectivity in Schizophrenia Predicts Cognitive Empathy Deficits and Negative Symptoms. *Schizophrenia Bulletin*, 41 (suppl 1), S66.

**Alden E, Cobia DJ, Reilly JL, Smith MJ.** (2015). Understanding Neurocognitive Differences Between Schizophrenia Subjects With High and Low Community Functioning. *Schizophrenia Bulletin*, 41 (suppl 1), S159.

**Azores-Gococo, N.** (2015). Positive Outcomes in Delinquent Youth After Detention: A 12-Year Longitudinal Study; presented at the American Psychology-Law Society (Division 41 of the American Psychological Association) in San Diego, California.

**Brown, H.** presented at "Opportunities to Promote Children's Behavioral Health: Health Care Reform and Beyond," the fourth workshop of the Forum on Promoting Children's Cognitive, Affective, and Behavioral Health (C-CAB), at the Institute of Medicine (IOM) in Washington D.C. on April 1-2, 2015.

**Clark, C.** (2015). Lamotrigine, Dosing, and the Bipolar Woman: Pharmacokinetics for Therapeutic Drug Monitoring and Dosing; presented at 6th World Congress on Women's Mental Health, Tokyo, Japan.

**Fox JM, Abram SV, Wang L, Smith MJ.** (2015). Default Mode Functional Connectivity Predicts Social Functioning in Schizophrenia. *Schizophrenia Bulletin*, 41 (suppl 1), S171.

## Presentations and Conferences, continued

- Gollan, J.** (2015). Neural Substrates of Negativity Bias in Women with and without Major Depression; presented at 6th World Congress on Women's Mental Health, Tokyo, Japan.
- Harrison A.** (2015). The Prevalence of Alcohol and Drug Use Disorders After Youth Leave Detention: A 12-Year Prospective Longitudinal Study; presented at the American Psychology-Law Society (Division 41 of the American Psychological Association) in San Diego, California.
- Hershfield, J.** (2015). Early Incarceration and Substance Use Disorders: The Role of Early Incarceration on Functioning in Emerging Adulthood; presented at the American Psychology-Law Society (Division 41 of the American Psychological Association) in San Diego, California.
- Michaels TM, Horan WP, Ginger EJ, Martinovich Z, Pinkham AE, Smith MJ.** (2015). Cognitive empathy contributes to poor social functioning in schizophrenia: Evidence from a new self-report measure of cognitive and affective empathy. *Schizophrenia Bulletin*, 41 (suppl 1), S56.
- Potthoff, L.** (2015). Prevalence and Persistence of Mental Disorders Among Juvenile Detainees 12 Years After Detention; presented at the American Psychology-Law Society (Division 41 of the American Psychological Association) in San Diego, California.
- Smith MJ, Cobia DJ, Reilly JL, Gilman JM, Roberts AG, Alpert KA, Wang L, Breiter HC, Csernansky JC** (2015). Cannabis-related episodic memory deficits and hippocampal morphological differences in healthy individuals and schizophrenia subjects. *Schizophrenia Bulletin*, 41 (suppl 1), S293.
- Smith MJ, Fleming MF, Wright MA, Boteler Humm L, Olsen D, Bell MD.** (2015). Virtual Job Interview Training and 6-Month Employment Outcomes in Adults with Schizophrenia Looking for Work. *Schizophrenia Bulletin*, 41 (suppl 1), S293.
- Smith MJ, Schroeder MP, Abram SV, Goldman MB, Derntl B, Habel J, Csernansky JG, Breiter HC.** (2015). Alterations in empathy and brain activation are related to social functioning in schizophrenia. *Schizophrenia Bulletin*, 41 (suppl 1), S238.
- Stern D, Livengood S, Breiter HC, Wang L, Smith MJ.** (2015). Difference in correlations between cortical thickness and empathic functioning in schizophrenia. *Schizophrenia Bulletin*, 41 (suppl 1), S275.
- Stokes, M.L.** (2015). Comorbidity and Continuity of Mental Disorders in Youth After Detention: A Prospective Longitudinal Study; presented at the American Psychology-Law Society (Division 41 of the American Psychological Association) in San Diego, California.
- Teplin, L. A.** (2015). Facing the Challenge of Reentry: Strategies and Evidence, at the University of Chicago Crime Lab; presented new findings from the Northwestern Juvenile Project at the symposium.
- Wisner, K.** (2015). Developmental Outcomes in Offspring with Prenatal Exposure to Depression and SSRI; presented at 6th World Congress on Women's Mental Health, Tokyo, Japan.

## Publications

**Atsushi Yamasaki A, Kasai A, Toi A, Kurita M, Kimoto S, Hayata-Takano A, Nakazawa T, Nagayasu K, Shintani N, Hashimoto R, Ito A, Meltzer HY, Ago Y, Waschek JA, Yonaka Y, Matsuda T, Baba A, and Hashimoto H.** Identification of the role of BMP and TGF- $\beta$  signaling in the trajectory of serotonergic differentiation in a rapid assay in mouse embryonic stem cells in vitro. *J Neurochem.* 2015 Feb; 132(4):418-28. PMID: 25421849

**Bonaccorso S, Sodhi M, Li J, Bobo WV, Chen Y, Tumuklu M, Theleritis C, Jayathilake K, Meltzer HY.** The brain-derived neurotrophic factor (BDNF) Val66Met polymorphism is associated with increased body mass index and insulin resistance measures in bipolar disorder and schizophrenia. *Bipolar Disord.* 2015. doi: 10.1111 [Epub ahead of print] PMID: 25874530

**Duffy SA, Ewing LA, Louzon SA, Ronis DL, Jordan N, Harrod M** (2015). Evaluation and costs of volunteer telephone cessation follow-up counseling for Veteran smokers discharged from inpatient units: a quasi-experimental, mixed methods study. *Tobacco Induced Diseases* 13:4.

**El Bcheraoui, C., Zhang, X., Welty, L. J., Abram, K. M., Teplin, L. A., & Sutton, M. Y.** (2015). HIV Knowledge Among a Longitudinal Cohort of Juvenile Detainees in an Urban Setting. *Journal of Correctional Health Care*, 21(2), 112-124. PMID25788607

**Elkington, K. S., Teplin, L. A., Abram, K. M., Jakubowski, J. A., Dulcan, M. K., & Welty, L. J.** (2015). Psychiatric Disorders and Violence: A Longitudinal Study of Delinquent Females and Males After Detention. *Journal of the American Academy of Child & Adolescent Psychiatry.* 54(4), 302-312. NIHMS663837

**Fonseka T, Tiwari AK, Goncalves VF, Lieberman JA, Meltzer HY, Goldstein BI, Kennedy JL, Kennedy SH, Muller DJ.** The role of genetic variation across IL-1 $\beta$ , IL-2, IL-6, and BDNF in antipsychotic-induced weight gain. *World J Biol Psychiatry.* 2015; 16(1): p. 45-56. PMID: 25560300

**Malchenko S, Sredni ST, Hashimoto H, Kasai A, Nagayasu K, Xie J, Margaryan NV, Seiriki K, Lulla RR, Seftor RE, Pachman LM, Meltzer HY, Hendrix MJ, Soares MB.:** A mouse model of human primitive neuroectodermal tumors resulting from microenvironmentally-driven malignant transformation of orthotopically transplanted radial glial cells. *PLoS One* 2015, 10:e0121707. PMID: 25826270

**Meltzer HY.** Pharmacotherapy of Cognition in Schizophrenia. *Curr Opin Behav Sci.* 2015. (submitted)

**Meltzer HY.** Attention Must Be Paid: The Plasma Clozapine/N-Desmethylclozapine (NDMC) Ratio Association with Working Memory and its Relevance to the Treatment of Cognitive Impairment Associated with Schizophrenia (CIAS). *Am J Psychiatry.* 2015. (in press)

**Meltzer HY, Risinger R, Nasrallah HA, Yangchun D, Zummo J, Corey L, Bose A, Stankovic S, Silverman B, Ehrich EW.** A Randomized, Double-blind, Placebo-controlled Trial of Aripiprazole Lauroxil in Acute Exacerbation of Schizophrenia. *J Clin Psychiatry.* 2015. (in press)

**Miyauchi M, Huang M, Neugebauer N, Rajagopal L, Oyamada Y, Meltzer HY.** Cholinergic receptors and lurasidone reversal of phencyclidine-induced deficit in novel object recognition. *Biol Psychiatry.* 2015, (in press).

**Nomura T, Oyamada Y, Fernandes BF, Remmers C, Xu J, Meltzer HY, Contractor A.** Subchronic phencyclidine treatment in adult mice increases GABAergic transmission and LTP threshold in the hippocampus. *Neuropharmacology* (in press).

## Research Updates

**Tracy Fehrenbach, PhD** of the Mental Health Services and Public Policy (MHSPP) Department hosted the annual 2015 Mental Health Juvenile Justice (MHJJ) conference in Prentice Women's Hospital on April 15<sup>th</sup>. The aim of the conference was to provide continuing education and training to staff from 20 behavioral health organizations across Illinois who serve youth with mental health issues and juvenile justice involvement. The MHJJ program is funded by the Illinois Department of Human Services' Division of Mental Health, and Northwestern serves as the program evaluator. Keynote speakers included Xavier McElrath-Bey, M.A., from the Campaign for the Fair Sentencing of Youth and Liza Suarez, PhD from the University Illinois in Chicago (UIC) Psychiatry Department. Mr. McElrath-Bey gave a presentation on his own experiences in Cook County detention and provided insights about how to better serve youth involved with the juvenile justice system. Ms. Suarez gave a presentation on strategies to engage hard-to-reach youth who struggle with trauma and substance abuse.

**Carlos Gallo, PhD** was awarded an investigator level minority supplement to Implementation of Evidence-Based Preventive Parenting Programs (R01DA033991-02; Cady Berkel and Anne Mauricio PI) by the National Institute on Drug Abuse (NIDA). The proposed work involves the application of computational linguistics methods to automatically assess fidelity of intervention delivery of a mental health prevention program for youth with divorcing parents. The award will be carried involving collaborators at Arizona State University (ASU) and Northwestern University (NU). (Dr. C. Hendricks Brown's Lab)

**Gary M. McClelland, PhD**, has been named evaluator for the SAMHSA-funded Nicasa Teen Court Project. The Teen Court Project, administered by the Nicasa social services agency of Waukegan, Illinois, diverts Lake County youth from the criminal justice system into a peer-oriented adjudication process. Diverted youth are judged and sentenced by peers from their community and receive socially-constructive sentences without the stigma of a criminal record. All participating youth are also screened for substance abuse and mental health issues and, when needed, provided treatment. Mental Health Services and Public Policy (MHSPP).

**Telemedicine for Women with Anhedonia in Bipolar and Unipolar Disorder: Patient Preferences and Outcomes:** This 12 week research study aims to help women with anhedonia (a psychological condition characterized by inability to experience pleasure in normally pleasurable acts) regain their interest and pleasure in their activities using phone therapy and a limited number of home visits. Eligible participants are women with loss of interest or pleasure and either symptoms of depression or bipolar; 21 to 65 years of age; take medication(s) for their mood. Call 312-695-2200 for more information

**M-BODY** studies how mind and body techniques taught in a wellness group setting can help women feel healthier, happier and more productive. Research activities will be held at the Komen Holman Health Center on Chicago's south side. **Inger Burnett-Zeigler, PhD** is the Principal Investigator. To learn more about this study, please contact Dr. Burnett-Zeigler [iburnett@nmff.org](mailto:iburnett@nmff.org)

If you would like to submit an item to the newsletter,  
please email Rachel Rodriguez at [rrodrig3@nm.org](mailto:rrodrig3@nm.org) for information.