

Society of Biological Psychiatry 70th Annual Scientific Meeting

Stress, Emotion, Neurodevelopment and Psychopathology

May 14-16, 2015

Fairmont Royal York - Toronto, Canada www.sobp.org



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	Presentation		Session
•	204 - Affective Processing in Pediatric Bipolar Disorder and Offspring of Bipolar Parents	Thomas W. Frazier2, Jair C. Soares1, Giovana B.	Poster Session 160. Poster Session - Thursday Thursday, May 14, 2015 5:00 - 7:00 PM
	1064 - Affective Processing in Pediatric Bipolar Disorder and Offspring of Bipolar Parents	Isabelle E. Bauer ¹ , Thomas W. Frazier ² , Giovana B. Zunta- Soares ¹ , Jair C. Soares ¹	Poster Session 360. Poster Session - Saturday Saturday, May 16, 2015 5:00 - 7:00 PM

1Psychiatry and Behavioral Science, University of Texas, Houston, TX,2Pediatric Institute, Cleveland Clinic, Cleveland, OH

718 - Identifying and Validating Distinct Clinical Phenotypes in Bipolar Disorders Using Neurocognitive Data, Neuroimaging Scans and Machine Learning

Mon-Ju Wu, Benson Mwangi, Isabelle E. Bauer, Marsal Sanches, Flavio Kapczinski, Giovana B. Zunta-Soares, Thomas D. Meyer, Jair C. Soares

Department of Psychiatry, UT Health Science Center at Houston, Houston, TX Poster Session
270. Poster Session Friday
Friday, May 15, 2015 5:00
- 7:00 PM

1183 - Anterior Insula
 Anatomy as a
 Transdiagnostic
 Biomarker of Anxiety
 Sensitivity Across Four
 Anxiety Disorders

Isabelle M. Rosso¹,
Elizabeth A. Olson¹,
Marie-France Marin²,
Rachel Zsido², David
Song², Blake
Rosenbaum², Jennifer L.
Buchholz¹, Edward F.
Pace-Schott², Scott L.
Rauch¹, Mohammed R.
Milad²

Late Breaking
365. Late Breaking Poster
Session - Saturday

Session - Saturday Saturday, May 16, 2015 5:00 - 7:00 PM

137 - Abnormal Pain
Amplification During an
Experimental Pain
Inhibition Procedure in
Chronic Widespread

Pain Patients

Stéphane Potvin¹, Philippe Goffaux², Isabelle Gaumond², Serge Marchand²

1CDASR, McLean Hospital/ Harvard Medical School, Belmont, MA,2Psychiatry, Massachusetts General Hospital, Boston, MA

1Psychiatry, University of Montreal, Montreal, QC, Canada, 2Surgery, **Poster Session**

160. Poster Session -Thursday Thursday, May 14, 2015 5:00 - 7:00 PM University of Sherbrooke, Sherbrooke, QC, Canada

1008 - Activation of the Ventral Striatum Predicts Overeating During Subsequent Loss of Sleep

William D. S. Killgore¹, Olga Tkachenko², Hannah Gogel², Maia Kipman², Lily A. Sonis², Mareen Weber², Shreya C. Divatia², Lauren A. Demers², Elizabeth A. Olson², Jennifer L. Buchholz², Isabelle M.

Rosso², Scott L. Rauch³

Poster Session
360. Poster Session Saturday
Saturday, May 16, 2015
5:00 - 7:00 PM

1Department of
Psychiatry, The University
of Arizona, Tucson,
AZ,2Social, Cognitive and
Affective Neuroscience
Lab, McLean Hospital,
Belmont, MA,3Department
of Psychiatry, Harvard
Medical School, Boston,
MA

175 - Amygdala Volume
is Associated with
Helplessness in Adults
with Major Depressive
Disorder (MDD)

Jennifer L. Buchholz¹, Isabelle M. Rosso1, William D. S. Killgore2, Rena Fukunaga1, Elizabeth A. Olson1, Lauren A. Demers1, Scott L. Rauch1

1Anxiety and Traumatic Stress Disorders Laboratory, McLean Hospital, Belmont, MA,2Department of Psychiatry, University of Arizona, Tucson, AZ **Poster Session**

160. Poster Session -Thursday Thursday, May 14, 2015 5:00 - 7:00 PM

1057 - Boosting
Emotional Intelligence
with a Brief InternetBased Program

Scott D.S. Killgore¹, Lauren Demers², Shreya Divatia², Isabelle M. Poster Session
360. Poster Session Saturday
Saturday, May 16, 2015

1Department of Psychiatry, University of Arizona, Tucson, AZ,2Anxiety and **Traumatic Stress** Disorders Laboratory, McLean Hospital, Belmont,

742 - CD28 Loss in Senescent CD4+/CD8+ T Cells and Higher **Levels Of** Th1/Th2/Th17 **Cytokines In Adolescents Reporting** Childhood Maltreatment

Rodrigo Grassi-Oliveira

Carine H. do Prado, Ledo Daruy-Filho, Andrea Wieck, Moisés E. Bauer

Biomedical Research Institute (IPB), Pontifical Catholic University of Rio Grande do Sul, Porto Alegre, Brazil

Poster Session

270. Poster Session -Friday Friday, May 15, 2015 5:00 - 7:00 PM

Chair

Isabelle M. Rosso

Psychiatry, McLean Hospital/ Harvard Medical School, Belmont, MA

Oral Session

155. Oral Session -Stress, Trauma, Fear Thursday, May 14, 2015 3:00 - 5:00 PM

123 - Childhood **Emotional Neglect and Trait Resilience are** Related to Ventromedial **Prefrontal Cortex Volume in PTSD**

Lauren A. Demers, Scott Poster Session L. Rauch, Elizabeth A. Olson, Lily A. Sonis, John

E. Jensen, Isabelle M. Rosso

Center for Depression, Anxiety, and Stress Research, McLean Hospital, Belmont, MA

160. Poster Session -Thursday Thursday, May 14, 2015 5:00 - 7:00 PM

318 - Dopamine **Response to Challenge** with Corticotropin-Releasing Factor: A PET **Imaging Study with Implications for Addictions**

Doris Payer^{1,2,3}, Belinda Williams1, Esmaeil

Nakajima1, Bernard Le Foll1,3,4, Stephen

Mansouri1, Shinichiro

Poster Session

160. Poster Session -Thursday Thursday, May 14, 2015 5:00 - 7:00 PM

Kish1,3,4, Sylvain Houle_{1,3}, Susan George₄, Tony George³,⁵, Isabelle Boileau_{1,3}

1Research Imaging Centre, Centre for Addiction and Mental Health, Toronto, ON, Canada, 2 Addictions, Centre for Addiction and Mental Health, Toronto, ON, Canada, 3Psychiatry, University of Toronto, Toronto, ON, Canada, 4Pharmacology, University of Toronto, Toronto, ON, Canada, 5 Schizophrenia, Centre for Addiction and Mental Health, Toronto, ON, Canada

549 - Emotional **Intelligence Correlates** with Coordinated **Resting State Activity Between Brain** Networks involved in **Emotion Regulation and** Interoceptive **Experience**

William D. S. Killgore¹, Isabelle M. Rosso², Scott L. Rauch², Lisa D. Nickerson3

1Psychiatry, University of Arizona, Tucson, AZ,2Anxiety & Traumatic Stress Disorders Laboratory, McLean Hospital, Belmont, MA,3McLean Imaging Center, McLean Hospital, Belmont, MA

Poster Session

270. Poster Session -Friday Friday, May 15, 2015 5:00 - 7:00 PM

1182 - History of **Childhood Adversity** Moderates the **Association Between Medial Prefrontal Cortex NAA and Anhedonia Symptoms**

Lauren A. Demers1, J. Eric Late Breaking Jensen², Elizabeth A. Olson1, Rena Fukunaga1, Marisa M. Silveri², Scott L.

Rosso¹

Rauch1, Isabelle M.

365. Late Breaking Poster

Session - Saturday Saturday, May 16, 2015 5:00 - 7:00 PM

in PTSD

1CDASR, McLean Hospital/ Harvard Medical School, Belmont, MA,2Imaging Center, McLean Hospital/ Harvard Medical School, Belmont, MA

952 - Impact of Family
History of Alcoholism
on
Glutamine/Glutamate
Ratios in Anterior
Cingulate Cortex in
Healthy, SubstanceNaïve Adolescents

Julia E. Cohen-Gilbert^{1,2,3}, Jennifer T. Sneider^{1,2,3}, David J. Crowley⁴, Michael J. Covell¹, Deepa Acharya^{2,5}, Isabelle M. Rosso^{2,4}, J. Eric Jensen^{2,3}, Marisa M. Silveri^{1,2,3}

1Neurodevelopmental Laboratory on Addictions and Mental Health, McLean Hospital, Belmont, MA,2Department of Psychiatry, Harvard Medical School, Boston, MA,3McLean Imaging Center, McLean Hospital, Belmont, MA,4Center for Depression, Anxiety and Stress Research, McLean Hospital, Belmont, MA,5Department of Neuropsychology, McLean Hospital, Belmont, MA

Poster Session

360. Poster Session -Saturday Saturday, May 16, 2015 5:00 - 7:00 PM

235 - Insular Cortex
GABA is Reduced in
Trauma-exposed Adults
With and Without PTSD
and Associated With
Posttraumatic Growth

Isabelle M. Rosso¹, Lily A. Sonis¹, Lauren A. Demers¹, Elizabeth A. Olson¹, Scott L. Rauch¹, Marisa M. Silveri², John E. Jensen² **Poster Session**

160. Poster Session -Thursday Thursday, May 14, 2015 5:00 - 7:00 PM

1Anxiety and Traumatic

Stress Disorders Laboratory, McLean Hospital, Belmont, MA,2McLean Imaging Center, McLean Hospital, Belmont, MA

501 - Investigating
Endocannabinoid
Metabolism in Chronic
Cannabis and Alcohol
Users: Neuroimaging
Studies with the Novel
FAAH Probe, [11C]CURB

Isabelle Boileau

Esmaeil Mansouri, Belinda Williams, Stephen Kish, Doris Payer, Vincenzo DeLuca, Dina Lagzdins, Romina Mizrahi, Pablo Rusjan, Tina McCluskey, Alan Wilson, Sylvain Houle, Markus Heilig, Bernard Le Foll, Junchao

Research Imaging Centre and Campbell Family Mental Health Research Institute, Centre for Addiction and Mental Health (CAMH), Toronto, ON, Canada

246 - Occupancy of
Dopamine D2 and D3
Receptors by
Buspirone: A [11C](+)-PHNO PET Study in
Humans

Bernard Le Foll¹, Doris Payer², Patricia Di Ciano¹, Mihail Guranda¹, Shinichiro Nakajima³, Junchao Tong², Esmaeil Mansouri², Alan Wilson⁴, Sylvain Houle⁴, Jeff Meyer⁴, Ariel Graff⁴, Isabelle Boileau²

1Neuroscience, Centre for Addiction and Mental Health, Toronto, ON, Canada,2Addiction Imaging Research Group, Centre for Addiction and

Oral Session

265. Oral Session -Substance Use Friday, May 15, 2015 3:00 - 5:00 PM

Poster Session

160. Poster Session -Thursday Thursday, May 14, 2015 5:00 - 7:00 PM

Mental Health, Toronto, ON, Canada,3Multimodal Imaging Group, Centre for Addiction and Mental Health, Toronto, ON, Canada,4Research Imaging Centre, Centre for Addiction and Mental Health, Toronto, ON, Canada

980 - Predictive **Classification of Pediatric Bipolar Disorder Using Atlasbased Diffusion Tensor Imaging**

Benson Mwangi¹, Mon-Ju Wu1, Isabelle E. Bauer1, Haina Modi1, Khader M. Hasan2, Giovana B. Zunta-Soares1, Jair C. Soares1

Poster Session 360. Poster Session -Saturday Saturday, May 16, 2015 5:00 - 7:00 PM

1Department of Psychiatry, UT Center of Excellence on Mood Disorders, Houston, TX,2UT Houston Medical School, Diagnostic and Interventional imaging, Houston, TX

629 - Reduced Dorsal **Anterior Cingulate Volume is Associated** with Perceived Stress in Adults with **Posttraumatic Stress** Disorder

Rena Fukunaga, Lauren A. Demers, Scott L. Rauch, Elizabeth A. Olson, Lily A. Sonis, Isabelle M. Rosso

Poster Session 270. Poster Session -Friday

Friday, May 15, 2015 5:00 - 7:00 PM

Anxiety and Traumatic Stress Disorders Laboratory, McLean Hospital, Belmont, MA

617 - Smaller **Hippocampal Volumes** and Verbal Learning **Task Deficits in Bipolar Patients with BDNF** val66met (rs6265) **Gene Polymorphism**

Bo Cao¹, Isabelle E. Bauer1, Ajaykumar N. Sharma², Benson Mwangi1, Luca Lavagnino1, Giovana B. Zunta-Soares1, Flavio P. **Poster Session** 270. Poster Session -Friday Friday, May 15, 2015 5:00 - 7:00 PM

Kapczinski², Jair C. Soares¹

1Department of Psychiatry and Behavioral Sciences, UT Center of Excellence on Mood Disorders, Houston, TX,2Center for Molecular Psychiatry, UT Health Science Center at Houston, Houston, TX

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