

Society of Biological Psychiatry

66th Annual Meeting

May 12-14, 2011

Hyatt Regency, Embarcadero Center
San Francisco, California

*Paradigm Shifts in the Treatment of Psychiatric
Disorders: Past Lessons, Current Trends, Future
Possibilities*

Program Book



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President's Welcome

I am delighted to welcome all of you to the annual meeting of the Society of Biological Psychiatry. Karen Berman, Chair of this year's Program Committee, and I with invaluable input from the program committee and our executive director Maggie Peterson, have organized a scientific program that aims to be educational, thought-provoking and relevant to both researchers and clinicians.

Each day begins with a plenary session featuring scientific pioneers within and outside of biological psychiatry who illustrate how paradigm shifts in related fields can influence and potentially redefine our strategies for advancing psychiatric neuroscience and therapeutics. Each plenary session will provide a complementary set of four expert lectures presenting state-of-the art perspectives on building blocks of neuropsychopathology (Thursday), strategies leading to novel therapeutics (Friday) and advances in plasticity and neurotechnology (Saturday). The plenary format of previous years has been modified to give equal time and emphasis to each of the 4 speakers, with talks spanning historic perspectives, current strategies and future directions.

We also feature 48 symposia, five theme-related slide sessions, and several freshest data sessions this year, and we have worked hard to minimize, as much as possible, presentation of similar topics within the same time slot. In addition, we have two special sessions utilizing a workshop-interactive format: on Friday, there will be a debate between experts on strategies for psychiatric genetics studies, followed by an audience-led discussion; Saturday's workshop will discuss the differential acute behavioral effects seen with deep brain stimulation at various brain targets and explore their implications for evolving network models of mood regulation and the pathophysiology of depression. Finally, each day will be capped by a poster session that will allow direct face-to-face discussion of a wide range of topics.

The meeting, as usual, is jammed packed. It is our hope that despite the density of activities, everyone can take full advantage of the many opportunities to meet up with old friends, network with colleagues, and engage our participating young investigators and first-time attendees, while still leaving a bit of time to enjoy the diverse sites, sounds and tastes of San Francisco.

Have a great meeting.

Regards
Helen Mayberg, MD
President
Society of Biological Psychiatry

This conference is **Paper-Lite**

The Society of Biological Psychiatry is committed to reducing the amount of paper we use at our annual meeting in an effort to be responsible toward the environment and to increase the quality and timeliness of the resources provided for this learning experience. The following program materials are available:

- **On-Line Program Planner:** Use the [On-Line Program Planner](#) to review the entire program by session, topic, or author and create your personal itinerary to guide you through the meeting. The complete abstract is available using the On-Line Program Planner.
- **Abstract Book:** All attendees will receive a hard copy of the abstracts printed in the Supplement to *Biological Psychiatry*. Members will receive their abstract book along with their journal subscription in the mail and should bring with them to the meeting. Non-members will receive a copy at the registration desk.
- **Program Book:** The Program Book is available electronically at www.sobp.org. This book contains a listing of all sessions with each speaker, title and abstract #, time of presentation, along with other information helpful to plan your itinerary and make the most of your time at this meeting. Please review this program book on line and print any sections you may like to bring with you to the meeting.
- **Meeting-at-a-Glance:** All attendees will receive a Meeting-at-a-Glance at the registration desk. This document will provide an overview of all session titles, times and locations.

About SOBP

The Society of Biological Psychiatry was founded in 1945 to encourage the study of the biological causes of and treatments for psychiatric disorders. Its continuing purpose is to promote excellence in scientific research and education in fields that investigate the nature, causes, mechanisms, and treatments of disorders of thought, emotion, or behavior.

To achieve its purpose, the Society creates venues for the exchange of scientific information that will foster the advancement of psychiatric neuroscience and therapeutics. To this end, the Society sponsors an annual meeting, maintains web-based resources, grants awards to distinguished clinical and basic researchers, and publishes the journal, *Biological Psychiatry*.

The term “biological psychiatry” emphasizes the biological nature of behavior and its disorders and implies the use of the medical model; but in so doing, it encompasses other major elements of modern psychiatric medicine, including its humanitarian mission, psychological foundation, and socio-cultural orientation.

The vision of the Society of Biological Psychiatry is to be the leading professional organization in the integration, advancement, and promulgation of science relevant to psychiatric disorders, with the ultimate goal of reducing or preventing the suffering of those with these disorders.

Biological Psychiatry – Official Journal of SOBP

[Biological Psychiatry](#) is one of the most selective and highly cited journals in the field of psychiatric neuroscience. It is ranked 4th out of the 117 journals in Psychiatry titles and 13th out of 230 journals in the neurosciences categories on the 2009 Journal Citation Reports® published by Thomson Reuters, and has an Impact Factor of 8.926.

This international rapid-publication journal is the official journal of the Society of Biological Psychiatry. It covers a broad range of topics in psychiatric neuroscience and therapeutics. Both basic and clinical contributions are encouraged from all disciplines and research areas relevant to the pathophysiology and treatment of major neuropsychiatric disorders. Novel results of original research, available in three formats of Archival, Research and Brief Reports, Commentaries and Correspondence judged to be of high impact to the field are published, particularly those addressing genetic and environmental risk factors, neural circuitry and neurochemistry, and important new therapeutic approaches. Concise Reviews and Editorials that focus on topics of current research and interest are also published rapidly.

Membership - *Staying Current and Connected*

The Society of Biological Psychiatry (SOBP) invites you to join senior and junior psychiatric neuroscientists who are engaged in basic, translational, and clinical science in order to serve people with mental illness.

The Society is a vital and dynamic organization. Founded almost 60 years ago, SOBP has undergone a dramatic scientific renaissance over the past decade. It is a unique Society, where both senior and junior scientists contribute to a stimulating and extremely well-attended meeting. Our Journal, ranked 4th out of the 117 journals in Psychiatry titles and 13th out of 230 journals in the neurosciences categories on the 2009 Journal Citation Reports® published by Thomson Reuters, and has an Impact Factor of 8.926.

When you become a member of this intimate yet cutting edge Society, you will have the opportunity to interact with thought leaders who are fueling innovation, access and development in the field of **psychiatric neuroscience** including major advances in **genetics** and **therapeutics**. Your membership in the Society of Biological Psychiatry will put you in touch with your colleagues who have shaped the field as it currently exists and it will enable you to be one of those who shape biological psychiatry as it will be known!

When we listen to our members talk about what their membership means to them, they most often refer to the intangible benefits, particularly the collegiality of their fellow SOBP members. Personal and professional relationships are built through attending the annual meeting and serving on committees. Many leaders in our field have joined the SOBP over the past 10 years so that the Society is maintaining a balance of new senior and junior members.

The Society of Biological Psychiatry has made it economical and easy to become a member. Since the SOBP has as a major goal the development of young scientists, you can apply for membership with 5 peer-reviewed publications. If you have fewer publications, you can apply for Associate Membership. Residents of the USA, Canada and Mexico (North America) are eligible for "Regular" membership. Residents of other countries can join the Society as a "Corresponding" member.

Whether you apply for Regular, Associate, or Corresponding membership, you will receive the following benefits:

- Prestige and increased credibility among peers and the public.
- Complimentary subscription, both print and online, to [Biological Psychiatry](#), the official publication of the Society of Biological Psychiatry.
- All members can register for the Society of Biological Psychiatry's Annual Meeting for \$495. This represents a significant savings from the full-cost, non-member registration fee!
- Sponsorship of abstracts and membership applications
- Membership Directory
- Member's Only Resources
- Quarterly Newsletters
- Participation in leadership and committees
- Annual dues for members are \$250 annually
-

For our colleagues who do not reside in North America: We understand that your own Society is, and should be, your main priority, and we urge you to maintain your primary membership in your own Society. We do hope that you will consider joining our Society as a Corresponding Member, attending our Annual Meeting, and receiving our highly acclaimed Journal.

JOIN TODAY – WWW.SOBP.ORG

Society of Biological Psychiatry

Congratulations to our 2011 Award Recipients

Humanitarian Award

For service and advocacy to mental illness

Kay Redfield Jamison, PhD

Johns Hopkins
Baltimore, MD

Gold Medal Award

*To honor pioneering contributions
In the field of Biological Psychiatry*

Judith L. Rapoport, MD

National Institute of Mental Health
Bethesda, MD

George N. Thompson Award

*To honor members of the Society who have
given outstanding service to promote the
welfare of the organization*

John H. Krystal, MD

Yale University School of Medicine
New Haven, CT

A. E. Bennett Research Award

*To stimulate research in biological
psychiatry by young investigators*

Jeffrey H. Meyer, MD, PhD, FRCP(C)

University of Toronto
Toronto, Canada

Ziskind-Somerfeld Research Award

To stimulate research in biological psychiatry

Melissa Malvaez, MS

University of California, Irvine
Center for the Neurobiology of Learning
and Memory
Irvine, California

Travel Fellowship Award - Domestic

*For promising young investigators within North
America who would benefit from attending the meeting*

Brandon John Cornejo, MD, PhD

University of Wisconsin
Madison, WI

Samuele Cortese, MD, PhD

New York University Child Study
New York, NY

Arman Danielyan, MD

Cincinnati Children's Hospital
Cincinnati, OH

Kristina M. Deligiannidis, MD

University of Massachusetts
Worcester, MA

Shannon Leigh Gourley, PhD

Ribicoff Laboratories
New Haven, CT

James W. Murrough, MD

Mount Sinai School of Medicine
New York, NY

Travel Fellowship Award - International

*For promising young investigators (outside of North
America) who would benefit from attending the meeting*

Salih Selek, MD

Harran University
Sanliurfa, Turkey

Giovanni Salum, MD

Federal University of Rio Grande do Sul
Porto Alegre, Brazil

Naren Rao, MBBS, MD

National Institute of Mental Health
Bangalore, India

Biju Viswanath, MD

National Institute of Mental Health
Bangalore, India

Katharina Domschke, MA, MD, PhD

University of Muenster
Muenster, Germany

Janardhanan Narayanaswam, MD

National Institute of Mental Health
Bangalore, India

Society of Biological Psychiatry 2011 Mentor/Mentee Program Participants

The Society of Biological Psychiatry recognizes the importance of mentoring to the professional development of its members. This mentoring program provides opportunities for early-career biological psychiatrists and neuroscientists to benefit from access to more experienced professionals while giving mentors the opportunity to contribute to the future of the neuroscience profession. We are proud to announce our 2011 Mentor/Mentee Program participants. To signup as a mentor or mentee for the 2012 meeting in Philadelphia, visit www.sobp.org

Mentor	Mentee
Amit Anand, MD Indiana University	Ana Andreazza, PharmD Centre for Addiction and Mental Health Canada
Uma Rao, MD Meharry Medical College	Yair Ben-Efraim, MSc. Karolinska Institute
Kristin Cadenhead, MD University of California, San Diego	Elisa Brietzke, MD, PhD Federal University of São Paulo
Erica Duncan, MD Emory University	Melisa Carrasco, MSc University of Michigan
Ellen Leibenluft, MD National Institute of Mental Health	Victoria Cosgrove, MSc University of Michigan
Paul Holtzheimer, MD Emory University	Lotte Gerritsen, PhD Radboud University Nijmegen Medical Centre
Jeffrey Meyer, MD, PhD CAMH and University of Toronto	Vina Goghari, PhD University of Calgary
Consuelo Walss Bass, PhD University of Texas HSC San Antonio	Rodrigo Grassi-Oliveira, MD, PhD Pontifical Catholic University of Rio Grande do Sul
Carlos Zarate, MD National Institute of Mental Health	Tony Harley, BSc University of Otago
Victoria Arango, PhD NYSPH and Columbia University	Sunil Kalmady, MSc National Institute of Mental Health and Neuro Sciences (NIMHANS)
John Neumaier, MD, PhD University of Washington	Mandana Modirrousta, MD, PhD University of Manitoba
Thomas Nordahl, MD, PhD University of California, Davis	Naren Rao, MD National Institute of Mental Health and Neurosciences
Daniel Pine, MD National Institute of Mental Health	Salih Selek, MD Harran University
Darin Dougherty, MD Harvard Medical School	Mirjam van Zuiden, MSc University Medical Center Utrecht
Aysenil Belger, PhD University of North Carolina, Chapel Hill	Melanie Wiley University of Maryland, Baltimore County
John Krystal, MD Yale University	Christian Wolf, MD University of Heidelberg

Top Poster Award

The Society of Biological Psychiatry is pleased to announce the Top Poster Award, to be presented to the top poster in basic research and clinical/translational research presented at the Society's annual meeting. 47 abstracts were selected by the program committee based on overall scores to be considered for this award. Each of the abstracts selected for the Top Poster Award will be designated by a large blue ribbon affixed to the poster. A selection committee will view and score each of these posters. Based on the combined scores from the reviewers, a Top Poster in basic research and a Top Poster in Clinical/Translational research will be awarded. The Top Posters in each category will be announced on www.sobp.org and in the next newsletter. Below are the posters selected for consideration of this award.

Abstract #	Session Day	Title	Author Last Name	Author First Name
117	Thursday	Local Synthesis of Eukaryotic Translation Initiation Factors (EIF) EIF2B2 and EIF4G2 Regulates Axonal Growth and Elongation in Rat Sympathetic Neurons	Kar	Amar
128	Thursday	Influence of Major Depressive Disorder on the Volume and Total Number of Neurons, Glia, and Perivascular Cells in the Human Basolateral Amygdala: A Postmortem Stereological Study	Rubinow	Marisa
236	Thursday	Amygdala Fails to Habituate to Faces in Individuals with an Inhibited Temperament	Blackford	Jennifer
239	Thursday	Dissociable Patterns of Hippocampal Functional Connectivity Distinguish between Anxiety Disorders	Chen	Ashley
247	Thursday	Pain Processing in Veterans with Posttraumatic Stress Disorder: Evidence for Stress Induced Analgesia?	Geuze	Elbert
254	Thursday	Cortico-Limbic Activation Differentiates Among Anxiety Disorders with and without a Generalized Threat Response	Killgore	William
256	Thursday	Differential Insula-Frontal Connectivity When Processing Threatening Faces in Generalized Social Anxiety Disorder	Klumpp	Heide
259	Thursday	Age at First Trauma is Associated with Serotonin 1B Receptor Reductions and Comorbid Depression in Posttraumatic Stress Disorder	Murrough	James
260	Thursday	Extending the Extended Amygdala to Primate Neuroimaging with Resting fMRI	Oler	Jonathan
261	Thursday	The Effect of Early Life Stress on Default Network Activity in Healthy Adult Subjects	Philip	Noah
266	Thursday	Top Down and Emotional Attention Control in Post-traumatic Stress Disorder	Yu	Henry
272	Thursday	Cortico-striatal Inefficiency During Sustained Attention with Variable Demands: fMRI Studies in Offspring of Schizophrenia and Bipolar Patients	Gupta	Gita
273	Thursday	Differential Neural Effects of Agency on Processing Anticipated Reward in Adolescents and Adults	Jarcho	Johanna
280	Thursday	Corpus Callosum and Anterior Commissure Aberrations in Aggressive Bipolar Youth	Saxena	Kirti
281	Thursday	Anomalous Development of Cortical Surfaces in Attention-Deficit/Hyperactivity Disorder	Shaw	Philip
290	Thursday	Glucocorticoid Receptor Number and Target Gene Expression before Military Deployment as Independent Predictors of Development of PTSD Symptomatology	van Zuiden	Mirjam
978	Thursday	Massively Parallel Sequencing from Prefrontal Cortex Reveals Multiple Novel Small RNAs and microRNAs Associated with Schizophrenia	Perkins	Diana
437	Friday	Profiling Micrnas Involved in the Neuroprotective Effects of Mood Stabilizers	Hunsberger	Joshua
440	Friday	The Increase of Transforming Growth Factor-Beta-Inducible Early Gene 2 (TIEG2/KLF11) in Major Depressive Disorder	Udemgba	Chinelo
446	Friday	Differential DNA Methylation in Frontal Cortex of Suicide Completers	Maussion	Gilles

448	Friday	Coverage of Orbitofrontal Cortex (ORB) Vessels by Astrocytic End-feet is Reduced in Major Depression	Rajkowska	Grazyna
476	Friday	Parametric Modulation of Amygdala Activity by Emotion in Youth with Bipolar Disorder, Severe Mood Dysregulation, and Controls	Thomas	Laura
487	Friday	Cognitive and Personality Profile of Startle “Non-Responding” Status	Bitsios	Panos
488	Friday	The Relationship of Prepulse Inhibition to Cognitive Function in a Large Population Sample	Bitsios	Panos
489	Friday	Startle Reactivity and Prepulse Inhibition in Prodromal and Early Psychosis: Effects of Age, Antipsychotics, Tobacco and Cannabis in a Vulnerable Population	Cadenhead	Kristin
606	Friday	Acute Hydrocortisone Challenge Causes Rapid Modulation of BOLD Signal in the Hippocampus	Symonds	Catherine
746	Saturday	Identification of Novel Neuroplasticity Genes in the Primate Amygdala Associated with Anxiety	Nanda	Steven
749	Saturday	SNAP-25 Vesicular Docking Protein mRNA in Bipolar Disorder	Thompson	Peter
753	Saturday	Gene Expression Patterns in the DLPFC of Patients with Schizophrenia and Controls	Bongaarts	Angela
754	Saturday	Altered MHC Class I Expression in Dorsolateral Prefrontal Cortex of Nonsmoker Patients with Schizophrenia	Chen	Yian
756	Saturday	Differential Gene Expression in Schizophrenia and Bipolar Disorder in the Corpus Collosum	Frid	Simon
769	Saturday	Estradiol Reversal of Anticholinergic-Related Brain Activation in Postmenopausal Women	Dumas	Julie
771	Saturday	Childhood Onset Schizophrenia: High Rate of Visual Hallucinations	David	Christopher
772	Saturday	Lack of Relationship between Acoustic Startle and Cognitive Variables in Schizophrenia and Control Subjects	Duncan	Erica
799	Saturday	Cortical Plasticity in Schizophrenia Patients after Computerized Cognitive Training: Behavioral and fMRI Assessments of Working Memory Performance	Subramaniam	Karuna
802	Saturday	Amygdala Recruitment in Schizophrenia in Response to Aversive Emotional Material: A Meta-Analysis of Neuroimaging Studies	Van Snellenberg	Jared
839	Saturday	Cortical Morphometric Measures of the Brain Reward System are Related to Relapse Propensity in Alcohol Dependence	Meyerhoff	Dieter
849	Saturday	Clinical Predictors of White Matter Disruption in Chronic Mild Traumatic Brain Injury among Post-9/11 Veterans	Haswell	Courtney
853	Saturday	Cortical Emotion Processing and Depression in Women with Borderline Personality Disorder	Mickey	Brian
877	Saturday	Abnormalities of White Matter Tracts between Rostral Middle Frontal Gyrus / Inferior Frontal Gyrus and Striatum in First-Episode Schizophrenia	Quan	Meina
891	Saturday	Elevated Ventral Striatal Reactivity to Reward Following Sleep Deprivation	Mullin	Benjamin
892	Saturday	Effects of Memantine and Alcoholism Family History Status on a Monetary Incentive Delay Task; Reward Prospect, Anticipation and Receipt: an fMRI Study	Anderson	Beth
897	Saturday	Cue Reactivity across Stages of Alcohol Dependence: FMRI Reveals Evidence of Altered Attentional Functioning	Fryer	Susanna
899	Saturday	Nucleus Accumbens Activation Mediates the Relationship between GABRA2 Genotype and Drinking and Drug Use in Youth at Risk for Substance Abuse	Heitzeg	Mary
900	Saturday	Overnight Deprivation from Smoking Disrupts Amygdala Responses to Fear	Hurlemann	Rene
904	Saturday	Evaluation of Prior Assault History and Index Assault Characteristics as Predictors of Cortisol Level Following Recent Sexual Assault	Kotte	Amelia
943	Saturday	Test-Retest Reliability of Attention Network Test Measures in Schizophrenia	Hahn	Eric

Late Breaking Abstracts

The Late Breaking abstracts accepted for this meeting were not available at the time the abstract supplement was printed. All Late Breaking abstracts may be viewed using the [On-Line Program Planner](#).

There are three Late Breaking oral sessions:

Late Breaking Oral Session – Mood Disorders

Thursday, May 12th
12:30 pm – 2:30 pm
Marina Room
Abstract #s 45-52

Late Breaking Oral Session – Other

Friday, May 13th
12:30 pm – 2:30 pm
Marina Room
Abstract #s 373-380

Late Breaking Oral Session – Genetics

Saturday, May 14th
12:30 pm – 2:30 pm
Marina Room
Abstract #s 677-683

There are three Late Breaking poster sessions:

Late Breaking Poster Session – Mixed Topics

Thursday, May 12th
5:00 pm – 6:30 pm
Pacific A-K
Abstract #s 955-986

Late Breaking Poster Session – Mixed Topics

Friday, May 13th
5:00 pm – 6:30 pm
Pacific A-K
Abstract #s 987-1050

Late Breaking Poster Session – Mixed Topics

Saturday, May 14th
5:00 pm – 6:30 pm
Pacific A-K
Abstract #s 1020-1047

Save the Date

**Society of Biological Psychiatry
67th Annual Scientific Convention
May 3-5, 2012 - Philadelphia, PA**

***“Applications of Systems Neuroscience
to Psychiatric Illness”***



Plan now to attend the **Society's 67th annual meeting, May 3-5, 2012, in Philadelphia**, where big-city excitement meets neighborhood charm. Made famous as the birthplace of “life, liberty and the pursuit of happiness,” the city’s strength is in the culturally diverse neighborhoods that merge to create a unique and dynamic destination. Listen to the sounds of Philadelphia on the Avenue of the Arts at the new Kimmel Center for the Performing Arts. Taste the distinctiveness of world-renowned chefs’ creations at restaurants located on Rittenhouse Row or in Old City. Relive history at “America’s most historic square mile,” Independence Mall, home to the Liberty Bell, Independence Hall and the new National Constitution Center. Feel the pulse of the city through touring its neighborhoods such as South Philadelphia’s 125-year-old Italian Market or the stately historic homes on Delancey Street in Old City. Philadelphia is also home to the world’s largest landscaped urban park, Fairmont Park, with 100 miles of rustic trails, early American mansions, historic landmarks, outdoor sculptures, open-air theatres, and America’s first zoo, the Philadelphia Zoo. More than 1,600 animals from around the world, picturesque Victorian gardens, outstanding art and historical architecture set the scene for a rewarding visit to the zoo.

Call for Abstracts Opens September 1, 2011
Abstract Deadlines (*tentative*):
October 28, 2011 - Symposia
December 9, 2011 – Poster and Oral Sessions
www.sobp.org

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Maggie Peterson, MBA - Executive Director
Mimi Macke, BA - Director of Programs
Beth Marten - Administrative Support

Future Meeting Dates/Locations

May 3-5, 2012 – Philadelphia, PA
May 16-19, 2013 – San Francisco, CA
May 1-3, 2014 – New York, NY
May 14-16, 2015 – Toronto, Canada
May 12-14, 2016 – Atlanta, GA
May 18-20, 2017 – San Diego, CA
May 3-5, 2018 – New York, NY
May 16-18, 2019 – San Francisco, CA

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Iver F. Small,* *President 1978*
John P. Brady,* *President 1979*

Arnold J. Friedhoff,* *President 1980*
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Peter Roy-Byrne,* *President 2006 - 2007*
Raquel Gur,* *President 2007 - 2008*
Husseini Manji,* *2008-2009*
J. John Mann,* *2009-2010*

*Deceased

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Wade Berrettini, MD, PhD
Cynthia Bethea, PhD
Zubin Bhagwagar, MD
Hillary Blumberg, MD
Christin Cadenhead, MD
Jean Lud Cadet, MD
Cameron Carter, MD
Emile Coccaro, MD
Ronald Dahl, MD
Lynn DeLisi, MD
Darrin Dougherty, MD
Erica Duncan, MS
Yogesh Dwivedi, PhD
Michael Egan, MD
Mary-Anne Enoch, MD
Guido Frank, MD
Philip Harvey, MD
Roger Haskett, MD
Stephan Heckers, MD
John Herman, PhD
Paul Holtzheimer, MD

Thomas Hyde, MD, PhD
Joel Kleinman, MD, PhD
Harold Koenigsberg, MD
Ellen Leibenluft, MD
J. John Mann, MD
Christina Marx, MD
Sanjay Mathew, MD
Francis McMahon, MD
Jeffrey Meyer, MD
Catherine Monk, MD
John Neumaier, MD, PhD
Thomas Nordahl, MD, PhD
Ghanshyam Pandey, PhD
Bradley Peterson, MD
Daniel Pine, MD
Uma Rao, MD
Elliott Richelson, MD
Christopher Ross, MD, PhD
Peter Schmidt, MD
Arielle Stanford, MD
Trey Sunderland, MD
Madhukar Trivedi, MD
Carlos Zarate, MD

REGISTRATION

Register On-Line by April 29, 2011.

- Preregistration is strongly recommended. On-site registration fees increase \$100.
 - If you are a member or have an existing account, use your current login and password to begin the registration process.
 - If you do not have an account, click on “New Customer” to create your account, then complete the registration process.
 - Contact sobp@sobp.org if you need assistance.
- Everyone who attends the annual meeting must be registered and check in at the Registration Desk to pick up attendee nametag and registration materials.
- Only registered attendees will be admitted into scientific sessions and must wear name badges to enter all sessions.
- All presenters and attendees must register by April 29, 2011.
 - Non-members presenting in a symposium and invited plenary presenters will be pre-registered.
 - All members presenting in a symposium, oral or poster session must register
 - All non-members presenting in an oral or poster session must register.
- Although it is not the Society of Biological Psychiatry’s policy to limit the number of registrants for this meeting, conference room facilities may necessitate capping of registration; therefore, early registration is strongly advised.
- All sessions are open to all to attend on a first-come, first-serve basis.

Waived Registration:

- Waived registration is provided only to non-members presenting in a symposium and award recipients.
- Non-members presenting in all other session types and members presenting in any session type must pay the registration fee.
- Registration instructions will be provided to those who are eligible for a waived registration.
- Contact the Society at sobp@sobp.org if you have any questions or need assistance with registration.

Student Registrations:

- You must submit a letter from your Department Chair or Training Director along with their contact and email information confirming your current student status and expected graduation date.
- After registering on-line, please forward this letter to the Society’s office via email to sobp@sobp.org or fax to 904-953-7117.
- This documentation will be matched up with your registration form to complete your registration.
- Registrations without this documentation will not be confirmed.

Registration Confirmation:

- You will receive a receipt and confirmation of your registration when you complete your on-line registration.
- If you do not receive a confirmation or have questions, contact the Society at sobp@sobp.org or 904-953-2842.

Registration Cancellation Policy:

- All cancellation requests must be received by the Society in writing by May 1, 2011. Send to sobp@sobp.org.
- Fees will be refunded in the same manner in which they were received. The following cancellations fees will apply:
 - Prior to May 1, 2011 – full refund less \$75 administrative fee
 - After May 1, 2011 – 50% refund

Meals and Receptions:

- The registration fee includes daily continental breakfast, box lunches, morning and afternoon breaks, daily poster receptions, and admittance to all sessions.
- Attendance at the Welcome Reception on Friday is open to all registered attendees but you must register for the reception on the registration form.

- You may purchase guest tickets for the Welcome Reception during the registration process.
- There are no refunds on guest tickets for the Welcome Reception unless the Society is notified by May 1, 2011.

Category 1 CME Credit:

- You may register and pay the separate fee for Category 1 credit during the registration process.

Registration Desk

The Registration Desk will be staffed during the following hours:

Wednesday, May 11	2:00 pm – 5:30 pm
Thursday, May 12	7:00 am – 5:30 pm
Friday, May 13	7:00 am – 5:30 pm
Saturday, May 14	7:00 am – 5:30 pm

HOTEL RESERVATIONS

Why it is important to book at our convention hotel ...

The Society strongly encourages you to book your guest room at the conference's headquarters hotel, the Hyatt Regency San Francisco, Embarcadero Center. The Society makes every effort to secure the best possible group guest room rates. These rates are part of a negotiated overall conference package that incorporates meeting room rental, meals and breaks, as well as other services. We are asking each of you to make your reservation at the conference hotel so the Society can meet its contractual obligations for rooms and maintain your current conference benefits, as well as keep future hotel room rates and registration fees reasonable. Please make your reservations early.

Convention Hotel

[Hyatt Regency San Francisco](#)

5 Embarcadero Center
San Francisco, California 94111
Phone (415) 788-1234
Fax (415) 398-2567

Location/Hotel Description:

Luxury and location converge in perfect balance at Hyatt Regency San Francisco. The only AAA Four Diamond downtown San Francisco hotel situated right on the Embarcadero waterfront, guests will enjoy immediate access to both the Financial District and [the city's most famous attractions](#). You'll find the historic Ferry Building on one side of the expansive San Francisco California hotel, the ferry to Alcatraz and the Bay on the other, and stunning views all around. With so many options, you may choose to wander through Chinatown to Fisherman's Wharf, shop in Union Square or board the cable cars for a riding tour of the city.

Room Rate

The Hyatt Regency San Francisco Embarcadero Center has extended a special room rate to participants of The Society of Biological Psychiatry. **Rate:** \$229.00 single/double occupancy (USD) per night plus tax. **Rates are good through April 18, 2011 or until the room block is full.**

On-Line

https://resweb.passkey.com/Resweb.do?mode=welcome_gi_new&groupID=2799045

Want to Share a Room?

If you wish to share a room at the hotel, please e-mail your name, gender, arrival and departure date, and any special requests to Maggie Peterson at the Society's Office, sobp@sobp.org.

Overflow Hotels

Please visit www.sobp.org for a list of overflow hotels with rooms blocked for this meeting. Rates are good through April 18, 2011 or until the room blocks are full.

Program Objectives

At the conclusion of this CME activity, the participant should be able to:

1. Describe and employ new research strategies for cognitive improvement and psychiatric treatment based on training models using brain plasticity theories.
2. Apply new models of gathering study data from study participants using internet-based communications and social networking with applications for research and clinical practice.
3. Explain the paradigm shift in the use of post-mortem brain tissue in research studies toward genetic investigations and the use of target-specific markers for the study of biologic processes.
4. Discuss the recent advances, current challenges and future opportunities in the design and clinical translation of brain-machine interfaces in patients with motor impairments
5. Describe the acute effects of Direct Brain Stimulation on various brain targets and explore the implications of neural network models on mood regulation and depression.
6. Explore the significance of new treatments for Fragile X syndrome both as specific clinical advances and as a possible model for drug development in other conditions.

Target Audience

This course is designed for researchers, clinicians, neuroscientists, MDs, PhDs, and young researchers.

Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of College of Medicine, Mayo Clinic and the Society of Biological Psychiatry. College of Medicine, Mayo Clinic is accredited by the ACCME to provide continuing medical education for physicians.

College of Medicine, Mayo Clinic, designates this educational activity for a maximum of 21.0 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

NOTE: Due to changes in ACCME accreditation policies regarding presentations made by industry scientists and commercial companies, the Society will not provide *AMA PRA Category 1 Credit(s)*[™] for the poster sessions to allow scientists from industry to participate in these sessions.

Faculty Disclosures

As a provider accredited by ACCME, College of Medicine, Mayo Clinic (Mayo School of CME) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Director(s), Planning Committee Members, Faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

A complete list of faculty disclosure is included in this program book and on our website at www.sobp.org. Please review this information and make any necessary updates at the beginning of your talk. In addition, the Society asks that you verbally disclose this information to your audience.

Faculty: In addition to the information provided to attendees, we ask that you make a verbal disclosure at the beginning of your presentation and correct or update your disclosure information if necessary.

All faculty disclosure information is available at www.sobp.org

CME Record of Attendance

To obtain credit, you must:

1. Register and pay for CME credit
2. Complete and return the attendance certificate at the end of the program. Credit will not be provided if the attendance certificate is not returned or lost.

Americans with Disabilities Act

The Society of Biological Psychiatry fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please see the Registration Desk if you have any special needs.

Acknowledgement of Commercial Support

The Society does not seek or accept commercial funding to support this meeting. The entire meeting is supported by registration fees or independent funding by the Society of Biological Psychiatry.

Evaluation Forms

The members of the Scientific Program Committee are interested in your opinion regarding the quality and the content of the Annual Meeting. This information will be used to plan next year's Annual Meeting. You will receive an email immediately after the meeting with a link to an electronic survey. Please complete as soon as possible after your return from the meeting. Or, visit www.sobp.org to complete the survey.

Recording Sessions/No Cameras

Attendees may not videotape, audiotape, or photograph (camera or camera phone) presentations at the meeting without prior permission from the chair of the session. Cameras are not permitted in any educational session or in the poster sessions.

Name Badges

Name badges will be required for admission to all sessions. A \$5 charge will be incurred for replacement badges.

Publications

All transactions of the Annual Meeting will be published in the Society's journal, *Biological Psychiatry*.

These proceedings are not fully peer reviewed and cannot be cited. Additional Abstract books may be purchased for \$20 each.

Alcohol Policy

The Society of Biological Psychiatry is legally and ethically obligated to remind participants that alcoholic beverages are a part of some Society of Biological Psychiatry events. An individual's decision to partake is a matter of personal choice and is neither encouraged nor discouraged by the Society. Reasonable and appropriate measures are taken by the Society to ensure that consumption occurs in a safe and responsible manner. The Society of Biological Psychiatry creates opportunities for its attendees to engage in business with each other. The Society also provides opportunities for friends and colleagues to network and socialize. Irresponsible drinking could undermine these opportunities. All attendees are expected to exercise restraint and good judgment in their consumption of alcohol at Society of Biological Psychiatry events.

Poster Sessions

The poster sessions are from 5:00 pm – 6:30 pm each day. You may hang your poster anytime between 7:00 am and 5:00 pm. The Society is not responsible for posters not taken down promptly after each session.

Annual Business Meeting

The Annual Business Meeting will be held on Friday, May 13, 2011. This will be the only business session of the convention. All members are encouraged to attend and non-members are invited to attend.

Welcome Reception

Friday, May 13, 2011

6:45 PM – 8:15 PM

Atrium Lobby of the Hyatt Regency San Francisco

All registered attendees and their guests who have purchased a guest ticket are invited to the Welcome Reception in the Atrium Lobby of the Hyatt Regency. Cocktails and appetizers will be served. Dress is business casual. Please show your attendee name badge or guest ticket for entrance.

After the Welcome Reception, enjoy dinner on your own at many of the restaurants San Francisco has to offer.

Restaurant Suggestions

The hotel concierge desk will be happy to assist you with recommendations and reservations, or visit the [San Francisco Visitor's](#) website for more information on dining options. Here is a list of [dining options](#) close to the Hyatt Regency, and other [restaurant suggestions](#).

SAN FRANCISCO INFORMATION AND ACTIVITIES

For more information on what to do while in San Francisco, restaurants, activities, shopping, transportation and other information, visit the [San Francisco Visitor's Website](#).

AMERICANS WITH DISABILITIES ACT

The Society of Biological Psychiatry fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs. Contact the Society at sobp@sobp.org or call 904-953-2842.

VISA WAIVER PROGRAM

International travelers who are seeking to travel to the United States under the Visa Waiver Program (VWP) are subject to enhanced security requirements. All eligible travelers who wish to travel under the Visa Waiver Program must apply for authorization through the Electronic System for Travel Authorization (ESTA). The VWP is administered by the Department of Homeland Security (DHS) and enables citizens and eligible nationals of certain countries to travel to the United States for tourism or business for stays of 90 days or less without obtaining a visa.

Log onto the [ESTA website](#) and complete an online application in English. Travelers are encouraged to apply early. The web-based system will prompt you to answer basic biographical and eligibility questions typically requested on a paper I-94W form.

Applications may be submitted at any time prior to travel, however, DHS recommends that applications be submitted no less than 72 hours prior to travel. In most cases you will receive a response within seconds. This waiver is not a guarantee of admissibility to the United States at a port of entry. ESTA approval only authorizes a traveler to board a carrier for travel to the U.S. under the Visa Waiver Program.

Additional information regarding the VWP and ESTA is available at www.cbp.gov/esta

INVITATION LETTERS FROM THE SOCIETY OF BIOLOGICAL PSYCHIATRY

To receive an invitation letter from the Society you must first register then send an email to sobp@sobp.org with your full name and complete mailing address. Your invitation letter will be returned to you via your email address. Please allow 5 business days to receive your invitation letter.

CLIMATE AND DRESS

In May, average temperatures in San Francisco California range from a high of 64F degrees to a low of 51F degrees. The temperature of the meeting rooms may be somewhat warmer or cooler than you might expect. You are encouraged to wear layered outer clothing.

SOBP SATELLITE MEETING

Planning to attend the SOBP Meeting? Come one day earlier and attend the ISRI Meeting on May 11th at the Hyatt Regency San Francisco.

International Society for Research on Impulsivity Meeting

Wednesday, May 11, 2011

8:00 am - 5:00 pm

Bayview Room A - Hyatt Regency San Francisco

<http://impulsivity.org>

secretary@impulsivity.org

OAKLAND ZOO TOUR

A private tour of the Oakland Zoo will be offered on Sunday morning at 10:00 am highlighting animal behavior patterns relevant to psychiatry. Explore mammalian neurochemistry from a zoo's perspective while enjoying a unique botanical setting. The Oakland Zoo is a national leader in innovative animal management methods. Loretta Breuning with the Oakland Zoo will be in the registration area on Thursday, May 12th. If you are interested in attending, please stop by her desk on Thursday to sign-up for this special tour. All arrangements and transportation is the responsibility of the attendee. For questions or to make a reservation, email Loretta at Loretta@imammalthebook.com

NITRC DEMOS

The Neuroimaging Informatics Tools and Resources Clearinghouse (NITRC – www.nitrc.org) was initiated in October 2006 through the NIH Blueprint for Neuroscience Research. NITRC's mission is to foster a user-friendly knowledge environment for the functional and structural neuroimaging community. By identifying resources valuable to this community, NITRC's goal is to support its researchers dedicated to enhancing, adopting, distributing, and contributing to the evolution of neuroimaging analysis tools and resources. The site promotes software tools and resources, vocabularies, test data, and databases, thereby extending the impact of previously funded, neuroimaging informatics contributions to a broader community.

NITRC facilitates access to an ever growing number of functional and structural neuroimaging tools and resources (371 to date). We encourage the community to continue providing design and content feedback. Averaging monthly 525,000 hits and 9,000 unique visitors per month, NITRC is now an established knowledge environment for the functional and structural neuroimaging community where tools and resources are presented in a coherent and synergistic environment for the advancement of functional and structural neuroimaging research.

At this Society of Biological Psychiatry Meeting, the NITRC table will be located in the registration area and will be hosting demos of its website throughout the meeting. We will also host guest demonstrations of key NITRC-listed tools of particular interest to this community, including:

- Artifact Detection Tools (ART) (http://www.nitrc.org/projects/artifact_detect)
- CONN - fMRI functional connectivity (<http://www.nitrc.org/projects/conn>)
- Group ICA Toolbox (GIFT) (<http://www.nitrc.org/projects/gift>)
- Fusion ICA Toolbox (FIT) (<http://www.nitrc.org/projects/fit/>)
- 1000 Functional Connectomes Project(http://www.nitrc.org/projects/fcon_1000)

F1000Posters
Open Access

Extend the life of your poster

The Society of Biological Psychiatry in cooperation with Faculty of 1000 invites poster presenters at this meeting to deposit their poster(s) following the meeting into the new open access poster repository, F1000 Posters enabling those who could not make the meeting to see the novel work presented. F1000's expert Faculty of 10,000 members will then view these submissions to identify those they wish to select for positive evaluation in the award winning F1000 post-publication peer review service. An email will be sent

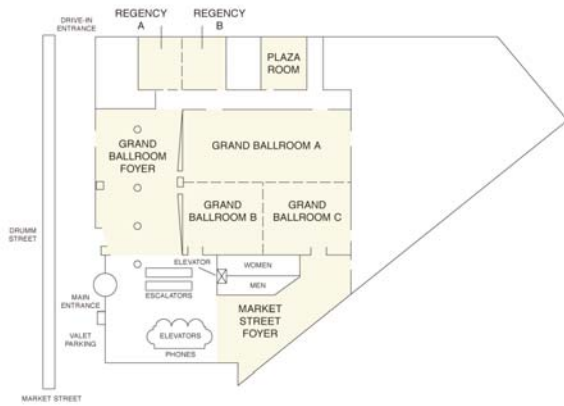
to all poster presenters after the meeting with instructions to deposit your poster.

FLOOR PLANS

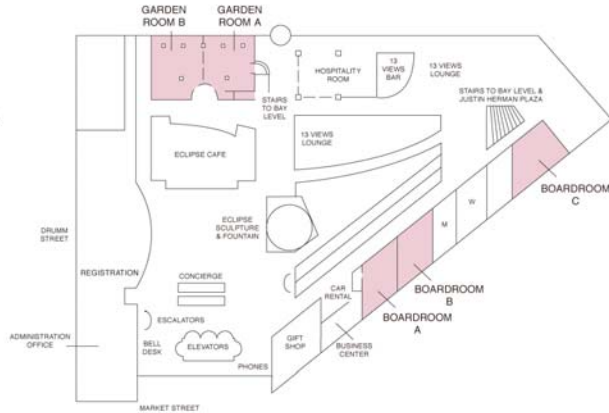
Hyatt Regency San Francisco

MEETING ROOM FLOOR PLANS

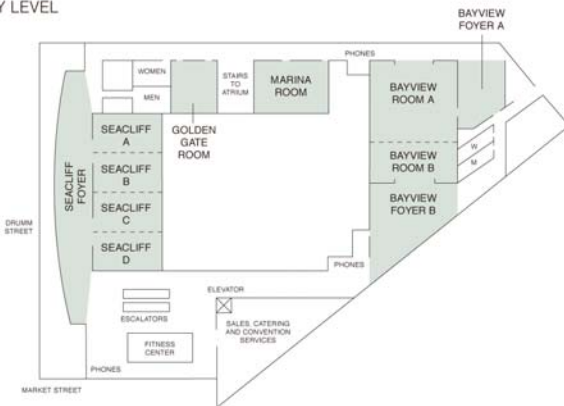
STREET LEVEL



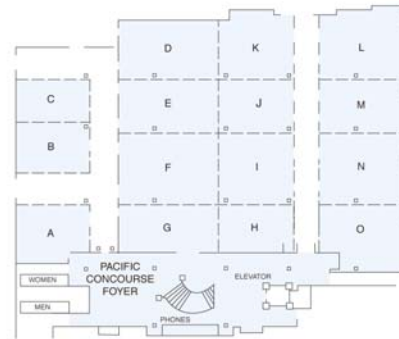
ATRIUM LOBBY LEVEL



BAY LEVEL



PACIFIC CONCOURSE LEVEL



Wednesday, May 11, 2011

11 am – 5 pm	Council Meeting (by invitation)	Grand Ballroom Foyer
2:00 pm – 5:00 pm	Registration	Grand Ballroom Foyer
5:30 – 7:00 pm	President's Reception (by invitation)	Hospitality Room

Thursday, May 12, 2011

7:00 – 8:00 am	Continental Breakfast	Grand Ballroom Foyer
7:30 – 5:00 pm	Speaker Ready Room	Regency B
7:00 – 5:30 pm	Registration	Grand Ballroom Foyer
8:00 – 11:30 am	Plenary Session – Evolving Perspectives on the Building Blocks of Psychopathology	Grand Ballroom
8:00 am	1	Charles G. Gross History of Paradigm Shifts in Neuroscience
8:45 am	2	Michael J. Meaney Parental Regulation of the Neural Epigenome
10:00 am	3	Stephen J. Suomi Risk, Resilience, and Gene-Environment Interplay in Primates
10:45 am	4	Joel E. Kleinman Brain Development and Risk for Schizophrenia
9:30 – 10:00 am	Break	Grand Ballroom Foyer
11:30 – 12:30 pm	Lunch & Networking	Grand Ballroom Foyer
11:30 – 12:30 pm	Editorial Committee (not board) Meeting/Lunch (by invitation)	Board Room A
12:30 – 2:30 pm	Symposium - Addiction Biomarkers: Translational Approaches Toward Identifying Risk and Novel Treatments	Seacliff A/B
12:30 pm	5	Anthony A. Grace Cross Sensitization of Stressors and Psychostimulants in Reward Circuitry in Rodents
1:00 pm	6	Jeff Dalley Predictive Biomarkers of Compulsive Drug Seeking and Taking in Rodent Models of Addiction
1:30 pm	7	Mary Louis Phillips Reward Circuitry Markers of Addiction Risk in Healthy and Bipolar Individuals
2:00 pm	8	Charles P. O'Brien Translating Animal Models and Human Studies of Addiction into Novel Treatments for Addictive Disorders
12:30 – 2:30 pm	Symposium - Dawn of the Post-GWAS Era: Elucidating the Disease Relevance of Bipolar Disorder Risk Genes	Grand Ballroom B
12:30 pm	9	Christopher A. Ross AnkG and Interacting Proteins and Role in Neuronal Function
1:00 pm	10	Tracey L. Petryshen Characterizing the Role of Ankyrin 3 in Regulating Bipolar-Related Behaviors
1:30 pm	11	Todd D. Gould Mood Disorder Susceptibility Gene CACNA1C Modifies Mood-Related Behaviors in Mice and Interacts with Sex to Influence Behavior in Mice and Diagnosis in Humans

2:00 pm	12	Stephanie Witt	Genetic Imaging Studies with Bipolar Risk Variants in Ank3	
12:30 – 2:30 pm		Symposium - Subcellular Compartmentation of Neuronal Protein Synthesis: New Neuropsychiatric Disease Foci?		Seacliff C/D
12:30 pm	13	Gary J. Bassell	Dysregulation of miRNA-Mediated Translation in Fragile X Syndrome	
1:00 pm	14	Barry B. Kaplan	MicroRNA-Mediated Regulation of Translation of Axonal Nuclear-Encoded mRNAs and the Modulation of Local Mitochondrial Activity and Axonal Growth	
1:30 pm	15	Joel D. Richter	The CPEB-Associated Cytoplasmic Apparatus Regulates mRNA-Specific Translation in Dendrites and Synaptic Plasticity	
2:00 pm	16	Jeffrey L. Twiss	Protein Synthesis in Axonal Processes - Roles in Developmental Growth and Injury Response	
12:30 – 2:30 pm		Symposium - Shifting Paradigms in Schizophrenia: Remediation of Cognitive Deficits		Grand Ballroom A
12:30 pm	17	Henry A. Nasrallah	Shifting Paradigms in Schizophrenia: Remediation of Cognitive Deficits	
1:00 pm	18	Larry J. Seidman	Should Neurocognition Be Included in Diagnostic Criteria for Schizophrenia? No	
1:30 pm	19	Deanna M. Barch	There are Currently no Proven Pharmacological or Psychological Treatments for the Core Cognitive Deficits of Schizophrenia	
2:00 pm	20	Matcheri S. Keshavan	Cognitive Deficits may Benefit from Pharmacological and/or Psychosocial Interventions	
12:30 – 2:30 pm		Symposium - The Neurobiology of Emotional Learning in Development		Grand Ballroom C
12:30 pm	21	Nim Tottenham	Emotional Learning of an Attachment Figure	
1:00 pm	22	Adriana Galvan	Neural Correlates of Uncertainty and Learning in Adolescence	
1:30 pm	23	Regina M. Sullivan	Neurobiology of Abuse Related Infant Attachment: Lessons from an Animal Model	
2:00 pm	24	Francis S. Lee	Selective Early-Acquired Fear Memories Undergo Temporary Suppression During Adolescence	
12:30 – 2:30 pm		Symposium - Social Interchange: Measuring Perception, Behavior and Their Underlying Neural Circuitry		Pacific L
12:30 pm	25	Jamil Zaki	Causes and Consequences of Interpersonal Accuracy	
1:00 pm	26	Antonio New	Empathic Accuracy and Alexithymia in Borderline Personality Disorder	
1:30 pm	27	Brooks King-Casas	Brain Circuits for Social Exchange during the Trust Game	
2:00 pm	28	Francis S. Lee	Social Computations of Aggression in PTSD	
12:30 – 2:30 pm		Symposium - Early Life Stress and Regulation of the Serotonergic System		Pacific M
12:30 pm	29	Mark S. Ansorge	Serotonergic Modulation of Brain Development - Impact on Limbic Function	
1:00 pm	30	Christopher A. Lowry	Adverse Early Life Experience Programs Tryptophan Hydroxylase 2 mRNA Expression and Behavior	
1:30 pm	31	Christina S. Barr	Across-Species Genetic Variation and Epigenetic Regulation of SLC6A4- Relevance to Genetic Selection and GxE Interactions	
2:00 pm	32	Helene Bach	Early Life Stress and Neuronal Tryptophan Hydroxylase (TPH2) Expression in Adult Human Brain	
12:30 – 2:30 pm		Symposium - New Potential Therapeutic Targets in the Prevention of Suicidal Behavior		Pacific N
12:30 pm	33	Gustavo Turecki	The Epigenetics of Suicide: A Genome-Wide Methylation Study	
1:00 pm	34	Alexandre Y. Dombrovski	Reward Learning and Value-Based Decision-Making in Suicidal Behavior	
1:30 pm	35	Katalin Szanto	Social Decisions, Real-Life Decision Outcomes, and Suicidal Behavior	
2:00 pm	36	Fabrice Jollant	Brain Circuitry in Suicidal Behavior	
12:30 – 2:30 pm		Oral Session - Basic/Neuroscience Insights		Pacific O
12:30 pm	37	Michael J. Gandal	GABA(b) Mediated Reversal of Electrophysiological and Behavioral Deficits Following Constitutive NMDAR1 Knockdown in Mice	
12:45 pm	38	Michal Arad	Antidepressant- and Anxiolytic-Like Effects Following Administration of a Brain-Selective Prodrug of 17 β -Estradiol (DHED) in the Mouse: Implications for Hormone-Related Depression and Anxiety in Women	
1:00 pm	39	Stanley I.I. Rapoport	Lamotrigine, Approved for Bipolar Disorder, Interferes with Brain NMDA Receptor-Initiated Arachidonic Acid Signaling in Unanesthetized Rats	
1:15 pm	40	Vikaas Sohal	Convergent Actions of D2 Receptors and Psychotomimetics Recruit a Ca ²⁺ Channel-mediated Depolarization to Modulate Prefrontal Output	

1:30 pm	41	Kristin Cadenhead	Greater Prepulse Inhibition Prior to the Onset of Psychosis? Findings from the North American Prodrome Longitudinal Study Consortium
1:45 pm	42	Cynthia S. Weickert	Linking the NRG1-related Genetic Risk of Schizophrenia to Increased Type III NRG1 mRNA
2:00 pm	43	Matthew L. MacDonald	Altered Intracellular Trafficking of PSD Proteins in Postmortem Brains of Schizophrenia
2:15 pm	44	Davangere P. Devanand	Plasma Amyloid-Beta and PET Pittsburgh Compound B Binding are Inversely Related in Mild Cognitive Impairment

12:30 – 2:30 pm		Late Breaking Oral Session – Mood Disorders		Marina Room
See On-Line Program Planner for abstracts accepted in this late-breaking oral session. Not in abstract book.				
12:30 pm	45	Alan S. Brown	Novel Evidence Of An Association Between Maternal Smoking And Risk Of Bipolar Disorder: A Prospective Population-based Birth Cohort Study	
12:45 pm	46	Marie-Laure Paillère Martinot	White Matter Microstructural Changes In Adolescents With Subclinical Bipolar Symptoms	
1:00 pm	47		Withdrawn	
1:15 pm	48	David C. Glahn	Prefrontal Dysconnectivity in Bipolar I Disorder Observed During Resting State	
1:30 pm	49	Aysegül Yildiz	Placebo-related Response In Clinical Trials For Bipolar Mania: What Is Driving This Phenomenon And What Can Be Done To Minimize It?	
1:45 pm	50	Jennifer L. Payne	A Double-Blind, Placebo Controlled Trial of Riluzole in Bipolar Depression	
2:00 pm	51	Galila Agam	A proof of concept for potential novel mood stabilizers - inositol monophosphatase inhibition at a different site of that of lithium	
2:15 pm	52	Fritz A. Henn	The Role Of The Lateral Habenula In A New Pathophysiology Of Depression.	

2:30 – 3:00 pm		Break	Grand Ballroom Foyer
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3:00 – 5:00 pm		Symposium - Signal Transduction Cascades and BDNF in Mood and Personality Disorders		Grand Ballroom A
3:00 pm	53	Richard C. Shelton	Reduced Protein Kinases in Major Depression: The Possible Role of Oxidative Stress	
3:30 pm	54	Harold W. Koenigsberg	Platelet Protein Kinase C and Brain-Derived Neurotrophic Factor Levels are Reduced in Borderline Personality Disorder Patients Compared to Healthy Volunteers	
4:00 pm	55	Ghanshyam N. Pandey	Cyclic-AMP Response Element-Binding Protein and Brain-Derived Neurotrophic Factor in Mood Disorders	
4:30 pm	56	Gerard Sanacora	Serum BDNF in Depression and the Relationship Between Peripheral and Brain Measures	

3:00 – 5:00 pm		Symposium - Re-thinking Psychiatric Classification based on Brain Systems Imaging		Grand Ballroom B
3:00 pm	57	Andrea Mechelli	Using Machine Learning to Examine System-Level Alterations in Schizophrenia: Potential for Diagnostic Classification	
3:30 pm	58	Vaibhav A. Diwadkar	Beyond "Activation" in fMRI Studies: Modeling Brain Interactions Using Dynamic Causal Models to Better Identify the Neural Correlates of Schizophrenia and Risk for Schizophrenia	
4:00 pm	59	Jorge Renner Cardoso Almeida	Connectivity and Cerebral Blood Flow Differences Between Bipolar Depression and Unipolar Depression	
4:30 pm	60	Paul E. Holtzheimer	Predicting Treatment Response with Deep Brain Stimulation Based on Resting State Functional Connectivity of the Subcallosal Cingulate Cortex	

3:00 – 5:00 pm		Symposium - Schizophrenia Genes, Risk Factors and Systems: The Shift From Isolation to Integration		Grand Ballroom C
3:00 pm	61	Daniel R. Weinberger	Epistasis and Susceptibility Genes for Schizophrenia	
3:30 pm	62	Inez Myin-Germeys	Gene-Environment Interaction Approaches: Time to Take it Seriously	
4:00 pm	63	Oliver D. Howes	Striato-Cortical Interactions in the Prodrome to Schizophrenia: Multimodal Imaging Findings	
4:30 pm	64	Kelvin O. Lim	Integrating Functional and Anatomical Networks in Schizophrenia	

3:00 – 5:00 pm		Symposium - Emerging Brain Network Perspectives in Child Psychiatry		Seacliff A/B
3:00 pm	65	John A. Sweeney	Neocortical and Cerebellar Circuitry Alterations in Autism	
3:30 pm	66	Michael C. Stevens	Emerging Neural Network Conceptualizations of Attention-Deficit/Hyperactivity Disorder	
4:00 pm	67	Mani N. Pavuluri	Interfacing Affective and Cognitive Brain Networks in Pediatric Bipolar Disorder	
4:30 pm	68	Daniel S. Pine	Ventral- Prefrontal-Amygdala Circuitry Function in Pediatric Anxiety	

3:00 – 5:00 pm	Symposium - What's New in Hippocampal CA2?	Seacliff C/D
3:00 pm 69	W. Scott Young Anatomy and Behavioral Roles of the Vasopressin 1b Receptor	
3:30 pm 70	Serena M. Dudek Synaptic Plasticity, and the Lack Thereof, in Hippocampal CA2	
4:00 pm 71	John R. Hepler RGS14 is an Integrator of G Protein and Ras/Raf MAPKinase Signaling that is Important for CA2 Synaptic Plasticity and Hippocampal Learning	
4:30 pm 72	Francine M. Benes A Critical Role of Sector CA2 in Schizophrenia	
3:00 – 5:00 pm	Symposium - Translational Epidemiology in Psychiatry: Linking Population to Clinical & Basic Sciences	Pacific L
3:00 pm 73	Myrna Weissman Translational Epidemiology in Psychiatry: Designs and Opportunities for “Bedside to Bench” Studies	
3:30 pm 74	Dolores Malaspina Schizophrenia Risk and the Paternal Germ Line	
4:00 pm 75	Ardesheer Talati Maternal Prenatal Smoking and Offspring Psychopathology	
4:30 pm 76	Alan S. Brown Maternal Infection and Schizophrenia: Epidemiology, Clinical Neuroscience, and Animal Models	
3:00 – 5:00 pm	Symposium - The OCD Brain: From Cortex to Gene	Pacific M
3:00 pm 77	Gregory L. Hanna Error-Related Brain Activity in Pediatric OCD	
3:30 pm 78	Peggy M. A. Richter Investigations of Cortical Inhibition in OCD and Relationship to Treatment	
4:00 pm 79	Paul D. Arnold Glutamate System Genes and Neuroimaging Phenotypes in Pediatric Obsessive-Compulsive Disorder	
4:30 pm 80	Carol A. Mathews New Evidence from Whole-Genome Approaches in OCD	
3:00 – 5:00 pm	Symposium - Substance and Behavioral Addiction: Lessons from Human Imaging Studies	Pacific N
3:00 pm 81	Arthur Brody Brain Imaging of Nicotinic Acetylcholine Receptors and Dopamine Release in Tobacco Dependence	
3:30 pm 82	Marc N. Potenza Novel Mechanisms in Pathological Gambling	
4:00 pm 83	Katsuaki Suzuki Molecular Imaging in Methamphetamine Abuse	
4:30 pm 84	Alexander Neumeister PET Imaging Reveals Novel Mechanisms in the Etiology of Alcohol Dependence	
3:00 – 5:00 pm	Oral Session - Gene Level Insights	Pacific O
3:00 pm 85	Cathy Barr Mapping Gene Regulatory Elements for Brain Expressed Genes Using Next Generation Sequencing	
3:15 pm 86	Erin L. Kinnally Whole Epigenome DNA Methylation Following Early Life Stress in Rhesus Macaques	
3:30 pm 87	Benoit Labonte Early Life Trauma and Epigenetic Regulation	
3:45 pm 88	Torbjørn Elvsåshagen Frequency of Very Short Telomeres is Increased and Associated with Lifetime Number of Depressive Episodes in Bipolar II Disorder	
4:00 pm 89	Saurav Guha Genome-Wide Association Study in the Ashkenazi Jewish Population Identifies a Replicable Genetic Locus for Schizophrenia and Bipolar Disorder	
4:15 pm 90	Alessandro Bertolino Stress-Related Methylation of the <i>COMT</i> Val ¹⁵⁸ Allele Predicts Human Prefrontal Cognition and Activity	
4:30 pm 91	Lotte Gerritsen Reduced Local Grey Matter Volume in Subgenual ACC as a Result of BDNF Val66Met Interaction with Childhood Adversities	
4:45 pm 92	Anna L. Lagioia Resting State Networks in 22q11 Deletion Syndrome: Neuro-Functional Implications	
93-100	These abstract #s not used.	

5:00 – 6:30 pm	Poster Session	Pacific A-K
101	Pradeep K. Banerjee Memantine Multiple Mechanisms of Action in Preclinical Models of Alzheimer's Disease	
102	James Meyerhoff Social Stress Reduces mPFC Volume and Length of Dendritic Spines	
103	Mohammed R. Milad Sex Differences and Influence of Sex Hormones on Fear Extinction in Rats and Humans	
104	Gerard Sanacora Glial Pathology in an Animal Model of Depression: Stress-Induced Cellular, Metabolic and Behavioural Deficits	
105	Luis A. Valotta Effectiveness of Interventions in the Treatment for Compulsive Disorders in Dogs: Pharmacotherapy and Behavior Modification	
106	Samantha J. Fung White Matter Neuron Density is Increased by Adolescent Testosterone in the Prefrontal Macaque	

			Cortex
	107	Nidhi Khatri	Functional Renal Abnormalities in an Animal Model of Autistic Spectrum Disorder (ASD)
	108	Anantha Shekhar	Genetic Regulation of Social Learning in the Amygdala
	109	Stephanie J. Klenotich	Effects of Serotonin Transporter Blockade and Olanzapine Treatment on Activity-Based Anorexia in Balb/cJ Mice
	110	Dominique Levesque	Effects of Chronic Lithium Treatment on Models of Impulsivity in Rats
	111	Withdrawn	
	112	Laura Anderson	Neurobiology of Genetics by Early Life Interactions that Predispose to Psychopathology during Adulthood
	113	Amy L. Mahan	Mechanisms of Transcription of Homer1a during Pavlovian Fear Conditioning and BDNF Induced Plasticity
	114	Thaddeus W. W. Pace	Increased Peripheral Nf- κ B Pathway Activity in Women with Childhood Abuse-Related Posttraumatic Stress Disorder
	115	Ana C. Feio dos Santos	Differences in Gene Expression with Normal Eldery Individuals and Symptomatic or Asymptomatic Alzheimer Disease, Suggest a Neuropathological Expression Pattern
	116	Aderbal R. T. Silva	Evaluation of Cdk5 Expression Pattern in Symptomatic and Asymptomatic Alzheimer's Disease and Normal Elderly Individuals
	117	Amar N. Kar,	Local Synthesis of Eukaryotic Translation Initiation Factors (EIF) EIF2B2 and EIF4G2 Regulates Axonal Growth and Elongation in Rat Sympathetic Neurons
	118	Gil Zalsman	Platelet Vesicular Monoamine Transporter (VMAT 2) Density In Non-ADHD Related Disruptive Disorders
	119	Nathalie Hill-Kapturczak	Evidence of Reduced Serotonin Uptake Potential among Adolescent Suicide Attempters
	120	Charles W. Mathias	Impulsivity and Platelet Serotonin Function among Adolescent Psychiatric Patients with Non-Suicidal Self-Injury
	121	Arielle Sheftall	Impulsivity and Platelet Serotonin Function among Adolescent Psychiatric Inpatients with Suicidal Ideation
	122	Ana Cristina Andreazza	Increased Levels of Protein Oxidation in Synaptosomal but not in Mitochondrial Proteins from Postmortem Prefrontal Cortex of Subjects with Bipolar Disorder
	123	Ana Cristina Andreazza	Oxidative Damage to Biomolecules as a Potential Therapeutic Target for Bipolar Disorder
	124	Mounira Banasr	Effects of Chronic Unpredictable Stress on GABAergic Neurons
	125	Eleonore Beurel	Linking Depression to Inflammation through Dysregulated Glycogen Synthase Kinase-3 (GSK3)
	126	Cristiana Cruceanu	Synapsin Genes In Mood Disorders: A Brain Expression Study
	127	Danielle de Campo	Expression Profile of the Paralaminar Nucleus of the Amygdala: Substrate for Neuroplasticity in Mood Disorders
	128	Marisa J. Rubinow	Influence of Major Depressive Disorder on the Volume and Total Number of Neurons, Glia, and Perivascular Cells in the Human Basolateral Amygdala: A Postmortem Stereological Study
	129	Davangere P. Devanand	A 6-month, Randomized, Double-Blind, Placebo-controlled Pilot Discontinuation Trial Following Response to Haloperidol Treatment of Psychosis and Agitation in Alzheimer's Disease
	130	Erin McGlade	Improved Attentional Performance following Citicoline Administration
	131	Bruno J. Millet	Orbito Frontal Cortex rTMS: An Alternative Treatment for Resistant OCD
	132	Bruno J. Millet	Revisiting OCD Network Using PET Data
	133	Roseli G. Shavitt	Impact of Conventional Treatments for OCD on Comorbid Psychiatric Disorders after 1 Year Follow-up
	134	Heather A. Berlin	A Double-Blind, Placebo-Controlled Trial of Topiramate for Pathological Gambling
	135	William V. Bobo	Does Long-Acting Injectable Risperidone (RLAI) Reduce Relapse and Rehospitalization in Patients with Frequently Relapsing Bipolar Disorder?
	136	F. Bymaster	Efficacy and Safety of EB-1010, a Triple Reuptake Inhibitor, in the Treatment of Patients with Major Depressive Disorder
	137	Maura Furey	Mood State Predictors of Antidepressant Response to Scopolamine
	138	Robert H. Howland	Thyroid Disease, Major Depression, and Treatment Outcome in the COMED Trial
	139	Felix Bacigalupo	Emotional Modulation of the Executive Function in Patients with Posttraumatic Stress Disorder
	140	Brenda E. Benson	Unique Neural Correlates of Contingency-Based Reward in Anxious Adolescents
	141	Carolyn Graybeal	Touchscreen Visual Reversal Learning in Mice is Facilitated by Limited Stress or Ventromedial Prefrontal Cortex Damage, and is Rescued by Ventromedial Prefrontal Cortex BDNF Infusions
	142	Martha S. McKay	Neurocognitive Functioning in Obsessive Compulsive Disorder and the Impact of Cognitive Behavioral Therapy
	143	Mandana Modirrousta	Dysfunction of Rapid Error Prediction in Patients with Obsessive Compulsive Disorder

144	Andrea Reinecke	Negative Affect in Panic Disorder: Insufficient Down-Regulation Despite Allocation of Prefrontal Resources
145	Tony J. Simon	Anxiety Predicts Adaptive Function in Children with Chromosome 22q11.2 Deletion Syndrome. A Possible Modulator of Schizophrenia Risk?
146	Katherine Vytal	Reciprocal Effects of Anxiety and Task Difficulty on N-back Performance
147	Caroline F. Zink	Vasopressin Modulates Social Recognition-Related Neural Activity in the Left Temporoparietal Junction in Men
148	Erol Başar	Selective Gamma Activation in Alzheimer, Bipolar Disease and Schizophrenia
149	Bahar Guntekin	Decrease of Auditory Event Related Delta Oscillatory Responses in Patients with Alzheimer Type of Dementia
150	Ulrich M. Hemmeter	Comparison of Polysomnographic Variables and Their Relationship to Cognitive Impairment in Patients with Alzheimer's Disease and Frontotemporal Dementia
151	Fred W. Sabb	Characterization Of ADHD Symptoms and Cognitive Phenotypes in Community Families Using the Internet
152	Zachary J. Schwab	Emotional and Cognitive Intelligence: Support for the Neural Efficiency Hypothesis
153	Johnna R. Swartz	Pubertal Development and Amygdala Activity in Adolescents with Autism Spectrum Disorders
154	Christopher P. Walker	Development of Sensory Cortical Gamma Using Steady State Auditory Evoked Potentials
155	Melisa Carrasco	Differential Error-Related Brain Activity In Children with Obsessive-Compulsive Disorder
156	Katherine Fowler	Youths with Conduct Disorder and Callous-Unemotional Traits Show Disrupted Amygdala, Posterior Cingulate, and Caudate Function During Decisions Regarding Environmental Threats and Rewards
157	John D. Franzen	Increased Resting-State Gamma-Frequency Activity in the Anterior Cingulate and Frontal Regions in Adolescents with Attention-Deficit/Hyperactivity Disorder
158	Nicola Riccardo Polizzotto	Developmental Trajectory of Context Processing Using the AX-CPT Paradigm
159	Heather M. Shapiro	The Development of Response Inhibition in Children with Chromosome 22q11.2 Deletion Syndrome
160	Martin W. Wetzel	Stimulant Medications Modulate Frontal Gamma Deficits in ADHD Adults during a Time Estimation Task
161	Tony W Wilson	Abnormal Gamma-Frequency Neuronal Responses in ADHD: Evidence from MEG Imaging
162	Katherine A. Halmi	Portion Size Perception and Anxiety Response to Food Cues in Anorexia Nervosa
163	Cecile D. Ladouceur	Altered Prefrontal Activation During an Emotional Working Memory Task in Adults with Childhood ADHD Relative to Healthy Adults: Preliminary Findings
164	Alexandra S. Potter	Emotional Processing and Behavioral Inhibition in Young Adults
165	Alexandra S. Potter	Changes in Neural Activity Associated with Response Inhibition during Acute Nicotine Administration
166	Genna Bebko	The LPP as an Electrophysiological Correlate of Emotion Regulation Success
167	Michele A. Bertocci	Dorsolateral Prefrontal Cortex and Amygdala Activation in Response to Fearful Faces in a Depressed Sample
168	Withdrawn	
169	Elisa Brietzke	Interleukin-6 and Verbal Memory in Recurrent Major Depressive Disorder
170	Chih-Chiang Chiu	Associations between Levels of Folate, Vitamin B12 or Homocysteine and Residual Depression in Older People with Previous Major Depression
171	Hyun-Sang Cho	Neurophysiological Findings of Semantic Processing in Bipolar Manic Patients: Comparisons with Schizophrenia
172	Rudi De Raedt	High Frequency Repetitive Transcranial Magnetic Stimulation of the Dorsolateral Prefrontal Cortex Influences Attentional Processing of Emotional Information: An Event-Related fMRI Study
173	Marie-Anne Vanderhasselt	Depressive Brooders Employ More Attentional Resources to Disengage from the Negative: An Event Related fMRI Study
174	Withdrawn	
175	Melanie Feeser	Transcranial Direct Current Stimulation of the Prefrontal Cortex Modulates Physiological Arousal during Emotion Regulation
176	Yi Han Sheu	A Study of Dipole Source Reconstruction of Auditory Duration and Frequency Mismatch Negativity in Schizophrenia
177	Luis H. Ripoll	Empathic Accuracy and Social Cognition in Personality Disorders
178	Kenneth R. Kaufman	Gabapentin-Induced Sexual Dysfunction
179	Neal R. Cutler	Optimizing the Assessment of CNS Side Effects of a Novel Neuropathic Pain Compound
180	Robert K. McNamara	Antipsychotic Medications Regulate Fatty Acid Biosynthesis in Rats: Implications for

			Hypertriglyceridemia and Metabolic Dysregulation
	181	Henry A. Nasrallah	The Metabolic Profile of Iloperidone Compared to Ziprasidone in a Short-Term Placebo-Controlled Clinical Trial and Open-Label 25 Week Extension
	182	Michael J. Serby	Antipsychotic Polypharmacy and Adverse Outcomes
	183	Dinah Weissmann	Drug-induced Psychiatric Adverse Events and/or Suicidality: A New Toxicogenomic Test to Assess the Risk and Move to Personalized Medicine
	184	Lauren Drag	Traumatic Brain Injury and Anxiety Disorders: An Examination of VA Health Care Data from 2000 to 2010
	185	Lauren Drag	Traumatic Brain Injury and Depression: An Examination of VA Healthcare Data from 2000 to 2010
	186	Maurice M. Ohayon	Longitudinal Study of PTSD in the General Population
	187	Maurice M. Ohayon	Traumatic Events in the General U.S. Population: Comparative Rates of Current PTSD
	188	Biju Viswanath	Impact of Depressive and Anxiety Disorder Co-Morbidity on the Clinical Expression of Obsessive Compulsive Disorder
	189	Withdrawn	
	190	Raz Gross	Time Trends in Reported Autism Spectrum Disorders in Israel, 1986-2005
	191	Edith M. Jolin	The Impact of Television Viewing on the Attention of Children and Adolescents
	192	Frank Bellivier	Suicidal Behaviour in Bipolar Disorder: Results from an Observational Study (EMBLEM)
	193	Frank Bellivier	Birth Cohort and Period Effects on Age at Onset in Bipolar I Affective Disorder
	194	Giovanni Marzullo	Bimodal Rhythms of General Conceptions and the Birth-Month Phenomenon in Schizophrenia, Neural Tube Defects and Left-Handedness
	195	Giovanni Marzullo	A Schizophrenia-Like Birth-Month Effect among Artists and Mathematicians: A Madness-Creativity Nexus
	196	Andrew S. Fox	RNA Expression in the Primate Amygdala Predicts Anxious Temperament and its Intermediate Neural Phenotype
	197	Steven E. Shelton	The Influence of CRH Receptor-2 Gene Variation on Cortisol and Brain Metabolism
	198	Mark C. Austin	Microarray Gene Expression Profiling of Prefrontal Cortex in Chronic Fluoxetine-Treated Rhesus Monkeys: Sex Differences
	199	Alon Shamir	Behavioral Characterization of Mice Harboring a Complete or Targeted Mutation of ErbB4 Receptor
	200	Paul D. Arnold	The Glutamate Transporter Gene SLC1A1 in Males with Obsessive-Compulsive Disorder: Rare Variant Screening and Functional Studies
	201	Carolina Cappi	Identification of Genomic Copy Number Variations (CNVs) In Obsessive Compulsive Disorder (OCD)
	202	Katharina Domschke	Serotonin Transporter Gene and Childhood Maltreatment: A GxE Effect on Anxiety Sensitivity and its Subdimensions
	203	Marilla B. Geraci	Adenosine Receptor A2a Polymorphisms and Caffeine
	204	Charles F. Gillespie	Sex-Dependent Influence of a Functional Polymorphism in Steroid 5- α -Reductase Type 2 (<i>SRD5a2</i>) on Risk for Post-Traumatic Stress Disorder
	205	Alexander Niculescu	Convergent Functional Genomics of Anxiety Disorders: Identification of Genes, Biomarkers, Pathways and Mechanisms
	206	Alexander B. Niculescu	Integrative Behavioral, Genomic and Bioinformatic Studies of Omega-3 Fatty Acids
	207	S. M. Shaheen	Population-Based Association Study of Glutamatergic Candidate Genes in Obsessive Compulsive Disorder (OCD) and Response Inhibition
	208	Dannie L. Perdomo	Genotype-Controlled Analysis of Serum Dopamine β -hydroxylase Across Pregnancy in Women Seeking Care for Mental illness
	209	Joe Beitchman	Childhood Aggression, Callous Unemotional Traits and Oxytocin-Vasopressin Neurohumoral System
	210	Sarojini M. Sengupta	Examining the Association between Norepinephrine Transporter Gene Polymorphisms and ADHD
	211	Laura Bevilacqua	An <i>HTR2B</i> Low-expression Haplotype Predicts Risk of Cocaine Dependence and Aggression
	212	Daniela S. S. Lobo	Genetic Pathways in Addictions: Associations with Pathological Gambling
	213	Francis E. Lotrich	Mitogen-Associated Protein Kinase (MAPK) Pathway is Associated with Risk for Subsequent Major Depression
	214	Frank Bellivier	TIMELESS and RORA Gene Polymorphism, Bipolar Disorders and Chronotypes: An Association Study in Two Independent Samples
	215	Yair J. Ben-Efraim	Htr2a Gene and Suicide Attempts
	216	Carmina Bernardo	Per1, Per2, and Per3 and Symptom Severity in Postmortem Subjects with Mood Disorder

217	Withdrawn	
218	Melanie A. Carless	Gene Expression Changes Associated with Bipolar I Disorder, with and without Psychosis
219	David C. Glahn	Endophenotype Ranking Facilitates Identification of Novel QTLs for Recurrent Major Depression
220	David C. Glahn	Common Genetic Factors Influence Risk for Major Depression and Default Mode Brain Connectivity
221	M. Mercedes Perez-Rodriguez	Mu Opioid Receptor Variant Does not Predict Borderline Personality Disorder Diagnosis
222	Christopher Pittenger	Reduced Anterior Cingulate Glutamate in Euthymic Patients with Obsessive-Compulsive Disorder
223	Naren P. Rao	Immunological Abnormalities in Patients with Drug Naïve Comorbidity Free Obsessive Compulsive Disorder
224	Aaron Jenkins	Neurexin 1 (NRXN1) Gene Expression across the Normal Human Lifespan: Implications for Neurodevelopment and Schizophrenia
225	Brisa S. Fernandes	Decreased Peripheral Brain-derived Neurotrophic Factor Levels are Not Specific for Schizophrenia or Mood Disorders
226	Hanga Galfalvy	Lower CSF HVA Levels are Associated with More Lethal Suicide Attempts in Females, But Not in Males with Mood Disorder
227	Alaa K. Houry	Magnetic Resonance Spectroscopy and Depression in Adolescent Girls
228	Josef Isung	Plasma Vascular Endothelial Growth Factor (VEGF) and Suicide Risk
229	Robert K. McNamara	Adolescents at High-Risk or Ultra High-Risk for Developing Bipolar I Disorder Exhibit Erythrocyte Long-Chain Omega-3 Fatty Acid Deficits Compared with Low-Risk Healthy Controls
230	Naama Barnea-Goraly	Alterations of White Matter Structure in Adolescent Females with Depression
231	Allison R. Kaup	Neural Functional Connectivity in Successful Cognitive Aging
232	Heather Kenna	Altered Default-Mode Network Functional Connectivity in Insulin Resistant Women at Risk for Alzheimer's Disease
233	John Muse	Functional Polymorphisms in Catechol-O-methyltransferase and KCNH2 Genes Modulate Age-Related Changes in Working Memory Function
234	Thomas Agren	Effective Connectivity of Fear Circuitry and Emotion Regulation in Specific Phobia
235	Tracy Barbour	fMRI Responses to Emotional Stimuli in At-Risk Children and Adolescents Share Some of the Features of Depression
236	Jennifer Urbano Blackford	Amygdala Fails to Habituate to Faces in Individuals with an Inhibited Temperament
237	Karina S. Blair	Atypical Modulation of Medial Prefrontal Cortex to Self-Referential Comments in Generalized Social Phobia
238	Karina S. Blair	Reduced Emotion Regulation during both Explicit and Implicit in Generalized Social Phobia (GSP), Generalized Anxiety Disorder (GAD) and Comorbid GSP/GAD
239	Ashley Chen	Dissociable Patterns of Hippocampal Functional Connectivity Distinguish between Anxiety Disorders
240	Jacqueline A. Clauss	Grey Matter Volume Differences in Limbic and Prefrontal Regions Characterize Inhibited Temperament
241	Brian R. Cornwell	Anxiety Preserves Amygdala Reactivity to Threat-related Distractors under High Perceptual Load
242	Jonas Engman	Neural Correlates of Anxiety States in Patients with Social Anxiety Disorder
243	Vanda Faria	Differences in Amygdala Responsivity Between Responders and Nonresponders to SSRIs in Patients with Social Anxiety Disorder
244	Taru M. Flagan	Trait Anxiety Influences Neural Systems Underlying Risky Decision Making
245	Gregory A. Fonzo	Common and Specific Limbic Dysfunction in Generalized Anxiety, Social Anxiety, and Panic Disorders During Emotional Face Processing
246	Mats Fredrikson	Meta-Analytical Evidence for Segregating and Integrating Brain Activation to Symptom Provocation in Social Anxiety Disorder, Specific Phobia and Post Traumatic Stress Disorder
247	Elbert Geuze	Pain Processing in Veterans with Posttraumatic Stress Disorder: Evidence for Stress Induced Analgesia?
248	Ebony M. Glover	Atypical Patterns of Neural Activation to Threat in Women with Childhood Maltreatment Histories
249	Patricia Gruner	Anterior Cingulate White Matter Abnormalities in Obsessive- Compulsive Disorder
250	Courtney C. Haswell	Reduced Amygdala and Hippocampal Volumes Associated with PTSD in Recent Military Veterans from Iraq and Afghanistan
251	Ryan Herringa	Post-traumatic Stress Symptoms are Correlated with Reduced Subgenual Cingulate, Ventral Striatum, and Insula Volumes in Combat Veterans
252	Marcelo Q. Hoexter	Regional Specificity of Pre-frontal Gray Matter Predicts Differential Treatment Response to

			Fluoxetine or Cognitive-Behavioral Therapy in Obsessive-Compulsive Disorder
	253	Tanja Jovanovic	Reduced Neural Activation During an Inhibition Task in Posttraumatic Stress Disorder
	254	William D. Killgore	Cortico-Limbic Activation Differentiates Among Anxiety Disorders with and without a Generalized Threat Response
	255	Anthony P. King	Neurocircuitry of Emotional Regulation in Returning OEF/OIF Veterans with PTSD: Effects of Diagnosis and Genotype
	256	Heide Klumpp	Differential Insula-Frontal Connectivity When Processing Threatening Faces in Generalized Social Anxiety Disorder
	257	Sara Lazar	Changes In Neural Structure and Function Associated with Mindfulness Training
	258	Clas Linnman	Conditioned and Unconditioned Responses in Obsessive Compulsive Disorder, an fMRI Study
	259	James W. Murrough	Age at First Trauma is Associated with Serotonin 1B Receptor Reductions and Comorbid Depression in Posttraumatic Stress Disorder
	260	Jonathan A. Oler	Extending the Extended Amygdala to Primate Neuroimaging with Resting fMRI
	261	Noah S. Philip	The Effect of Early Life Stress on Default Network Activity in Healthy Adult Subjects
	262	Amy E. Ramage	A Coordinate-Based Meta-Analysis of Trauma Processing in PTSD: Associations with the Pain Monitoring Network
	263	Oliver J. Robinson	The Neural Basis of Negative Affective Biases under Anxiety
	264	Ralf G.M. Schlösser	Fronto-Cingulate Effective Connectivity in Obsessive Compulsive Disorder: A Study with fMRI and Dynamic Causal Modeling
	265	Rebecca K. Sripada	Resting-State Connectivity of the Amygdala is Altered in PTSD
	266	Henry H. Yu	Top Down and Emotional Attention Control in Post-traumatic Stress Disorder
	267	Gwyneth Zai	Genetic Analyses of the Myelin Oligodendrocyte Glycoprotein (MOG) and Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) Genes with White Matter Volume in Obsessive-Compulsive Disorder
	268	Sarah Tighe	Regionally-Specific Diffusion Tensor Imaging Correlates of Neuropsychiatric Symptoms in Mild Cognitive Impairment and Alzheimer's Disease
	269	Sabine Aust	Neural Correlates of Emotion Processing as a Function of Early Emotional Neglect and Alexithymia: An fMRI Study with Music
	270	Silvia Bernardi	In Vivo 1h-magnetic Resonance Spectroscopy Study of the Attentional Networks in Autism
	271	Vaibhav A. Diwadkar	The Cortico-Striatal Response During Sustained Attention in Children with ADHD: fMRI Evidence of Developmental Deviation
	272	Gita Gupta	Cortico-striatal Inefficiency During Sustained Attention with Variable Demands: fMRI Studies in Offspring of Schizophrenia and Bipolar Patients
	273	Johanna M. Jarcho	Differential Neural Effects of Agency on Processing Anticipated Reward in Adolescents and Adults
	274	Johanna M. Jarcho	Differences in Neural Response to Reward Feedback with or without Self-Agency in Adolescents and Adults
	275	Thomas M. Olino	Longitudinal Changes in Reward Functioning in Adolescence
	276	Withdrawn	
	277	Matthew D. Albaugh	Anxious-Depressed Symptoms Qualify the Relation between Cerebral Cortical Structure and Aggressive Behavior in Typically Developing Youths
	278	Michael P. Milham	Discovery Science in the ADHD-200 Sample Reveals Dysfunction in Sensory and Motor Cortices
	279	Kirsten O'Hearn	Connectivity between Frontal and Temporal Regions in Autism
	280	Kirti Saxena	Corpus Callosum and Anterior Commissure Aberrations in Aggressive Bipolar Youth
	281	Philip Shaw	Anomalous Development of Cortical Surfaces in Attention-Deficit/Hyperactivity Disorder
	282	Bun Yamagata	White Matter Aberrations in Non-Mosaic and Estrogen-Naive Girls with Turner Syndrome
	283	Kyung ran Kim	Altered Activation and Functional Connectivity of Fronto-insula Cortex in Eating Disorder
	284	Rachel Marsh	An fMRI Study of Self-regulatory Control and Conflict Resolution in Adolescents with Bulimia Nervosa
	285	Danyale P. McCurdy	Neurobiology of Eating Disorders: An fMRI Investigation of Tastes to Sucrose
	286	Graham W. Redgrave	Differential Short- and Long-term Effects of Illness Severity on Brain Functional Connectivity in Anorexia Nervosa
	287	Paul A. Newhouse	Responsivity of Postmenopausal Women to Estradiol-Induced Brain Activation Changes in Emotional Circuitry
	288	Cynthia L. Bethea	The Effect of Long-term Ovariectomy on Behavior in a Semi-free Ranging Troop of Japanese Macaques
	289	Marcelo F. Mello	Prednisolone Test of Victims of Violence with and without PTSD
	290	Mirjam van Zuiden	Glucocorticoid Receptor Number and Target Gene Expression before Military Deployment as

			Independent Predictors of Development of PTSD Symptomatology
291	Jennifer A. Bartz		Effects of Oxytocin on Recollections of Maternal Care and Closeness
292	Withdrawn		
293	James L. Abelson		Compassionate Goal Orientation Can Modulate Cortisol Response to the Trier Social Stress Test
294	Rivi Ben Dor		Effects of Medically-Induced Menopause on Mood and Behavior in Healthy Young Women
295	Kevin K. Chopra		Comparing Associations between the Cortisol Awakening Response and Cortisol Response to Social Stress in Chronic Major Depression vs. Healthy Controls
296	Kevin K. Chopra		Evaluating Associations between Neuroticism and Extraversion and Cortisol Stress Responses to a Social Challenge in Chronic Major Depressive Disorder
297	David A. Gutman		Examination of Infralimbic vs. Prelimbic Connectivity in Mice: Use of High-Throughput MRI-based Tractography
298	Angelos Halaris		Should CRP Become a Routine Biomarker Measurement in Ddepression
299	Angelos Halaris		Vascular Endothelial Growth Factor in Major Depression
300	James A. Harley		Antidepressants Cause Specific Changes in the Rat Peripheral Blood Transcriptome
301	Gary M. Hasey		A Pilot Study Employing Machine Learning Analysis of EEG Data to Build an Automated Diagnosis System for Psychiatric Disorders
302	Gary Hasey		A Personalized Approach Using Machine Learning Methods to Predict Response to rTMS Treatment for Major Depression
303	Juliana B. Diniz		A Double-Blind Randomized Controlled Trial of Fluoxetine Plus Quetiapine or Clomipramine vs. Fluoxetine Plus Placebo for Obsessive-Compulsive Disorder
304	Withdrawn		
305	Ralf Koeber		Therapeutic Drug Monitoring of Antidementia Drugs
306	Mary Remigius Agatha Onuoha		Influence of Organic Solvents on the Simultaneous Serum Determination of Bromperidol and Haloperidol
307	Dawn M. Richard		Effects of Acute Tryptophan Depletion on Three Types of Behavioral Impulsivity and Relationship to Alcohol Consumption
308	Jon E. Berner		Human Clinical Ketamine Response Correlates with Glutamine Metabolism in Cultured Activated Lymphocytes and In-vivo Hepatic Glycine Metabolism
309	Graham J. Emslie		Insomnia Moderates Outcome of SSRI Treatment in Depressed Children and Adolescents
310	Pichai Ittasakul		Effectiveness of Aripiprazole in Bipolar Disorder Patients Primarily Taking Complex Pharmacotherapy. See corrected abstract in on-line program planner
311	David Feifel		Comparative Preclinical Effects of Oxytocin and Carbetocin
312	Alina Tsareva		Influence of Selective Serotonin Reuptake Inhibitors on Fear Extinction
313	Joanna Wieronska		Anxiolytic and Antidepressant-like Activity of Mglu2 Positive Modulator, LY487379
314	Heather C. Brenhouse		Delayed Effects of Early Life Stress on the Prefrontal Cortex are Prevented with an Inhibitor of Cyclooxygenase-2
315	Olga Chernoloz		Effects of Quetiapine Alone and in Combination with Serotonin Reuptake Inhibition on the Firing Rate of Serotonin and Norepinephrine Neurons
316	Ronan Depoortere		In Vivo Characterization of Levomilnacipran, A Balanced Serotonin Norepinephrine Reuptake Inhibitor
317	Mostafa El Mansari		Electrophysiological Characterization of Serotonin Neurons in Olfactory Bulbectomized Rats and the Effects of Bupropion and Paroxetine Administration
318	Nasser Haddjeri		Electrophysiological Characterization of the Antidepressant LuAA21004: 5-HT ₃ Receptor Antagonism Plays a Key Role in the Rapid Recovery Of 5-HT Neuronal Firing
319	Jojo Jiang		Effects of Sustained Triple Reuptake Inhibition on the Firing Activity of Monoaminergic Neurons in the Rat Brain
320	Tetsuro Kikuchi		Preclinical Pharmacology of OPC-34712: A Novel Compound with Dopamine D2 Receptor Partial Agonist Activity
321	Sophie A. George		Altered Locus Coeruleus Activity Following Single Prolonged Stress, a Rodent Model of PTSD
322	Jerry J. Warsh		Oxidative Stress and Calcium Dyshomeostasis in Bipolar Disorder Involve TRPM2 and TRPC3 Channel Expression and Function
323	Peter Zwanzger		Repetitive Transcranial Magnetic Stimulation (rTMS) of the Prefrontal Cortex Modulates Early Affective Processing
324	K. S. Shubrata		Comparison of Children with Autism Spectrum Disorders with and without Epilepsy
325	Kirstin Aschbacher		Interleukin-1 Beta Responses to Acute Stress are Associated with Increases in Depressive Symptoms One Year Later
326	Murat I. Atagün		Evoked and Event Related Theta Oscillations are Decreased in Drug-Free Euthymic Bipolar Patients

	327	Yewon Cheon	Olanzapine Decreases Brain Arachidonic Acid (AA) Metabolism in Rats by Reducing Plasma Availability of AA
	328	M. Elizabeth Sublette	Kynurenine Levels are Elevated in Patients with Major Depressive Disorder and Suicide Attempts
	793	Philippa L. Rock	The Effects of Quetiapine on Risky Decision-Making

5:00 – 6:30 pm	Late-Breaking Poster Session		Pacific A-K
	See On-Line Program Planner for abstracts accepted in this late-breaking poster session. Not in abstract book.		
	954	Withdrawn	
	955	Adem Can	Affect-related Behaviors in Mice Selectively Bred for High and Low Voluntary Alcohol Consumption
	956	Adrian Preda	MOCA: A Screening Tool for Cognitive Deficits in Schizophrenia
	957	Adriana Ramos	DISC-1 Regulates Expression of Antidepressant Neuropeptide VGF in a Neuroblastoma Cell Line
	958	Agorastos Agorastos	Depression, Anxiety And Prolonged Sleep Latency In Glaucoma: Evidence For Circadian Alteration?
	959	Withdrawn	
	960	Alexander B. Herman	Differences in Neural Oscillatory Correlates of Syllable Verbal Reproduction Between Schizophrenics and Healthy Controls
	961	Andre Galinowski	Resilience In Adolescence Is Associated With Neuroticism And White Matter Microstructure
	962	Anthony S. Zannas	Stressful Life Events, Perceived Stress, and 12-month Course of Geriatric Depression: Direct Effects and Moderation by the <i>5-HTTLPR</i> and <i>COMT</i> Val158Met Polymorphisms
	963	Antonio Mantovani	Randomized Sham Controlled trial of Transcranial Magnetic Stimulation (TMS) to the Dorsolateral Prefrontal Cortex for the Treatment of Panic Disorder with comorbid Major Depression
	964	Arkadiy Maksimovskiy	Hippocampal Activation in Depressed Individuals During a Memory Suppression Task
	965	Ava-Ann Allman	Effects of Methylphenidate on Basic and Higher-Order Oculomotor Functions
	966	Balaji Narayanan	Effects Of Memantine On Resting State Electroencephalogram (EEG) and P300 Event-related Potential (ERP) In Subjects With And Without Family History Of Alcoholism
	967	Benjamin A. Everett	Moved to FridayLate-Breaking poster session
	968	Benjamin I. Goldstein	Obesity and the Longitudinal Course of Pediatric Bipolar Disorder
	969	Brian M. Iacoviello	Association Between CB1 Receptor Expression and Attentional Biases After Trauma Exposure
	970	Charles R. Conway	Baseline Regional Metabolic Activity Predicts Antidepressant Efficacy of Vagus Nerve Stimulation Therapy in Treatment-Resistant Major Depression
	971	Withdrawn	
	972	Cletus S. Carvalho	The C-RAT: A Comprehensive Risk Assessment Tool for use before prescribing psychotropics
	973	Cristiano S. Noto	Biomarkers In Depression In Schizophrenia: Focus On Bdnf And Inflammatory Cytokines
	974	Daniel F. Hermens	Neurophysiological Biomarkers Predict In Vivo Glutamate Changes In Early Psychosis
	975	Daniella J. Furman	Neural Signatures of Psychomotor Deficits in Major Depressive Disorder
	976	Dannie L. Perdomo	Genotype-controlled analysis of Serum Dopamine Beta-hydroxylase across Pregnancy in Women seeking care for Mental Illness
	977	Debomoy K. Lahiri	Biochemical Evidence for the Dysregulation of Alzheimer's Amyloid Precursor Protein (APP) Expression and Metabolism in Fragile X Syndrome (FXS) and Severe Autism
	978	Diana Otylia Perkins	Massively Parallel Sequencing from Prefrontal Cortex Reveals Multiple Novel Small RNAs and microRNAs Associated with Schizophrenia
	979	E. Nellie Bowles	Associations between Depressive Responses to Caregiving Stress and Allostatic Load
	980	Effie M. Mitsis	White Matter Integrity In OEF/OIF Combat Veterans With Blast-related Mild Traumatic Brain Injury And PTSD
	981	Withdrawn	
	982	Adeline Broussin Ducos	An Interdisciplinary Analysis Of Emotions In The Context Of Prenatal Diagnosis Of Down Syndrome And Choice Of Medical Termination Of Pregnancy: The Perspective Of Couples And Health Care Professionals
	983	Andrew W. Bergen	Psychosocial Stress and Salivary Gene Expression
	984		Moved to Friday poster session
	985	Bronwyn M. Graham	Oral Contraceptives Reduce Fear Extinction Memory Expression in Healthy Women
	986	Celia Morgan	Schizotypy in Adolescents and Young Adults: A Multivariate Predictive Model

7:00 – 9:00 PM	2012 Program Planning Committee Meeting (by invitation)	Hospitality Room
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Friday, May 13, 2011

7:00 – 8:00 am	Continental Breakfast		Grand Ballroom Foyer
7:30 – 5:00 pm	Speaker Ready Room		Regency B
7:00 – 5:30 pm	Registration		Grand Ballroom Foyer
8:00 – 11:45 am	Plenary Session – Towards Novel Therapeutics: Bench to Bedside and Back Again		Grand Ballroom
8:00 am	329	Edward Shorter	Treatments in Psychiatry: A Historical Perspective on Melancholia
8:45 am	330	Josep Dalmau	Autoimmunity to Synaptic Proteins and New Disorders of Memory, Behavior, Cognition and Psychosis
10:15 am	331	Mark F. Bear	Fulfilling the Promise of Molecular Medicine in a Developmental Brain Disorder
11:00 am	332	David Bredt	Pharmaceutical Discovery in Neuropsychiatry
9:30 – 10:00 am	Break		Grand Ballroom Foyer
10:00 – 10:15 am	Awards Presentation		Grand Ballroom Foyer
11:45 – 12:30 pm	Business Meeting – Members are encouraged to attend. Non-members are invited to attend.		Bayview B
11:45 – 12:30 pm	Lunch & Networking		Grand Ballroom Foyer
11:45 – 2:30 pm	Editorial Board Meeting/Lunch (by invitation)		Hospitality Room
12:30 – 2:30 pm	Symposium - Unipolar versus Bipolar Depression: Neurobiology Informing Diagnosis and Future Intervention		Grand Ballroom A
12:30 pm	333	Kathleen Ries Merikangas	Prevalence, Comorbidity, and Clinical Correlates of Bipolar and Unipolar Depression in U.S. Youth: Results from the National Comorbidity Survey Adolescent Supplement
1:00 pm	334	Robin Nusslock	Elevated Striatal Activity to Reward-relevant Cues a Possible State-independent Marker of Bipolar Disorder
1:30 pm	335	Ellen Leibenluft	Clinical, Pathophysiological, and Genetic Associations Between Non-episodic Irritability in Youth and Unipolar Depression in Adulthood
2:00 pm	336	Cecile D. Ladouceur	Deficits in Attentional Control Processes in Youth at High Familial Risk for Bipolar and Unipolar Depression: Potential Endophenotype for Mood Disorders?
12:30 – 2:30 pm	Symposium - Organization of Human Transcriptome in Normal Development and Disease		Grand Ballroom B
12:30 pm	337	Amanda Myers	The Human Brainome: Genome, Transcriptome and Proteome Interaction in the Human Cortex
1:00 pm	338	Carlo Colantuoni	Temporal Dynamics and Genetic Control of the Human Neocortical Transcriptome across the Lifespan
1:30 pm	339	Barbara K. Lipska	Genome-Wide and Candidate Gene Studies of Alternative Splicing in Normal Development and Schizophrenia
2:00 pm	340	Michael C. Oldham	Organization of the Transcriptome in Human Brain
12:30 – 2:30 pm	Symposium - Reward Processing During Adolescence and Vulnerability for Psychiatric Conditions		Grand Ballroom C
12:30 pm	341	Patricio O'Donnell	Periadolescent Maturation of Dopamine Effects in Corticoaccumbens Circuits
1:00 pm	342	Bitu Moghaddam	Reduced Inhibitory Responses of Adolescent Cortical Neurons
1:30 pm	343	Louk Banderschuren	The Neurobiology of Social Reward: Insight from Social Play Behavior in Adolescent Rats
2:00 pm	344	Beatriz Luna	Neuroimaging Evidence of Adolescent Immaturities in Cognitive Control and Reward Processing
12:30 – 2:30 pm	Symposium - Abuse in Schizophrenia: New Directions in Basic and Clinical Studies		Seacliff A/B
12:30 pm	345	Anissa Abi-Dargham	Dopamine Transmission in Comorbid Schizophrenia and Substance Dependence

1:00 pm	346	Jean Lud Cadet	The Potential Primacy of Cognitive Disturbances in Substance Abuse Disorders and Co-morbid States: Relevance to Treatment
1:30 pm	347	Marc G. Caron	Beta-Arrestin-Dependent D2 Dopamine Receptor Signaling may Discriminate between Various Psychostimulant Responses
2:00 pm	348	Mikhail Pletnikov	Sex-Dependent Effects of Mutant DISC1 on Methamphetamine-Produced Sensitization and Conditioned Place Preference

12:30 – 2:30 pm		Symposium - Cerebellar Pathophysiology in Psychiatric Disorders		Seacliff C/D
12:30 pm	349	Peter L. Strick	New Concepts about the Organization of Cerebellar Circuitry	
1:00 pm	350	John E. Desmond	Cerebro-Cerebellar Circuitry in Verbal Working Memory: Implications for Clinical Populations	
1:30 pm	351	Eve Valera	Cerebellar Pathophysiology in Adult ADHD	
2:00 pm	352	William Hetrick	Impaired Function in the Schizophrenia Spectrum across a Battery of Cerebellar-Dependent Tasks	

12:30 – 2:30 pm		Symposium - Towards Enhancing Early Detection of Psychosis: NAPLS 2 Mid-study Findings		Pacific L
12:30 pm	353	Jean Addington	Clinical Presentation of and Social Risk Factors in Young People at Clinical High Risk for Psychosis	
1:00 pm	354	Barbara A. Cornblatt	Impaired Social and Role Functioning in Individuals at Clinical High Risk for Psychosis	
1:30 pm	355	Tyrone D. Cannon	Altered Functional and Structural Brain Developmental Trajectories in Youth at Clinical Risk for Psychosis	
2:00 pm	356	Daniel H. Mathalon	Electrophysiological Markers of Brain Dysfunction in the Psychosis Prodrome	

12:30 – 2:30 pm		Symposium - New Roles for Monoamine Oxidase A (MAO-A) in Psychiatric Illness and Addiction		Pacific M
12:30 pm	357	Jeffrey Meyer	Relationship of Monoamine Oxidase A Binding to Pathological Mood States	
1:00 pm	358	Xiao-Ming Ou	MAO-A Transcription Factor TIEG2: Role in Apoptosis, Major Depressive Disorder, and Antidepressant Treatment	
1:30 pm	359	Nelly Alia-Klein	Monoamine Oxidase A and Impulsive Aggression: Gene-brain-behavior Interactions	
2:00 pm	360	Erin L. Kinnally	Early Experience, MAO-A Genotype, and Impulsivity in Rhesus Macaques	

12:30 – 2:30 pm		Symposium - Novel Strategies to Probe Suicide Pathogenesis		Pacific N
12:30 pm	361	Maura Boldrini	Neuroplasticity in Major Depression and Suicide: Regulatory Factors	
1:00 pm	362	Yogesh Dwivedi	microRNA Expression is Down-regulated and Reorganized in Prefrontal Cortex of Depressed Suicide Subjects	
1:30 pm	363	Gregory A. Ordway	Growing Evidence of Dysfunctional Brainstem Glia in Major Depression and Suicide	
2:00 pm	364	Ghanshyam N. Pandey	Protein Kinase C Expression in Postmortem Brain of Depressed Suicide and Non-suicide Depressed Subjects	

12:30 – 2:30 pm		Oral Session - Mood and Anxiety Disorders		Pacific O
12:30 pm	365	Christian Otte	Statin Use and Risk of Depression in Patients with Coronary Heart Disease: Longitudinal Data from the Heart and Soul Study	
12:45 pm	366	Paul E. Holtzheimer	Subcallosal Cingulate Deep Brain Stimulation for Treatment-Resistant Unipolar and Bipolar Depression	
1:00 pm	367	Claudia Buss	Increased Risk for Affective Disorders Programmed in Utero? High Prenatal Maternal Cortisol and Volumes of the Amygdala and Hippocampus in the Offspring at 6-9 Years Age	
1:15 pm	368	Paul G. Unschuld	Depressive Symptoms in Prodromal Huntington's Disease Correlate with Task Related Functional Connectivity in the Ventromedial Prefrontal Cortex, Modulated by CAG-repeat Length	
1:30 pm	369	Moriah E. Thomason	Individual Differences in Stress-Induced Activation of the HPA-axis Predicts Connectivity between Subgenual Cingulate and Salience Network During Resting-State fMRI in Adolescents	
1:45 pm	370	Rachel Marsh	Functional Abnormalities in the Neural Systems Underlying OCD in Adolescents and Adults	
2:00 pm	371	Negar Fani	Neural Correlates of Attention Biases to Threat in PTSD	
2:15 pm	372	Martin P. Paulus	Individuals with Combat-Related PTSD Show Attenuated Error Processing in a Simple Decision-Making Paradigm	

12:30 – 2:30 pm		Late Breaking Oral Session - Other		Marina Room
See On-Line Program Planner for abstracts accepted in this late-breaking oral session. Not in abstract book.				

12:30 pm	373	Elaine R. Peskind	Multimodal Neuroimaging of Blast mTBI in Iraq and Afghanistan Veterans
12:45 pm	374	Rajendra A. Morey	Effects Of Mild Traumatic Brain Injury And Posttraumatic Stress Disorder On White Matter Integrity In Post-9/11 Veterans
1:00 pm	375	Christopher R. Bailey	CB1 Receptor PET Imaging in Posttraumatic Stress Disorder
1:15 pm	376	Sonja Entringer	Stress Exposure in Intrauterine Life is Associated with Shorter Telomere Length in Young Adulthood
1:30 pm	377	Lisa E. Williams	Intact Relational Memory And Normal Hippocampal Volume In First-episode Psychosis Patients
1:45 pm	378	Sunali Wadehra	Impaired Associative Learning In Schizophrenia Assessed With Fmri: Inefficiently <i>increased</i> activation, but <i>decreased</i> fronto-hippocampal connectivity
2:00 pm	379	Celia J. A. Morgan	Early Visual Processing is Altered by Nicotine Dependence
2:15 pm	380	Jed E. Rose	Repetitive Transcranial Magnetic Stimulation (rTMS) Of The Superior Frontal Gyrus Modulates Craving For Cigarettes

2:30 – 3:00 pm	Break		Grand Ballroom Foyer
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3:00 – 5:00 pm	Symposium - Neuroimaging of Negative Emotion Processing and Regulation Across Psychiatric Disorders		Grand Ballroom C
3:00 pm	381	Amit Etkin	Influences of Anxiety and Depression on Emotional Processing and Its Implicit Regulation in Adults
3:30 pm	382	K. Luan Phan	Delineating Common and Discrete Brain Circuits for Emotion Perception and Regulation Across Disorders of Negative Affect
4:00 pm	383	Mohammed R. Milad	Fear Extinction in Post-Traumatic Stress, Obsessive-Compulsive Disorder and Schizophrenia
4:30 pm	384	Daniel S. Pine	Differentiating Neural Correlates of Social Phobia, Behavioral Inhibition, and Generalized Anxiety Disorder

3:00 – 5:00 pm	Symposium - Novel Early-life Environmental and Epigenetic Factors in Aging and Psychiatry		Grand Ballroom A
3:00 pm	385	Debomoy K. Lahiri	Early-life Environment and Epigenetics in Alzheimer's Disease, a New Paradigm Represented by the LEARN Model
3:30 pm	386	Elliot S. Gershon	Age and Sex Effects on Gene-specific Methylation in Human Brain and its Relevance to Psychiatry
4:00 pm	387	Gregory J. Brewer	Epigenetic Oxidative Redox Shift (EORS) Theory of Aging and its Role in Neuropsychiatric Disorders
4:30 pm	388	Amit Anand	Epigenetic Influence of Childhood Trauma on Age of Onset of Bipolar Disorder

3:00 – 5:00 pm	Symposium - From Genes to Clinical Trials: The Future Possibility of Developing Agents Regulating Glutamate Receptors for the Treatment of Bipolar Disorder		Seacliff A/B
3:00 pm	389	Carlos Alberto Zarate	A Randomized Trial of an N-methyl-D-aspartate Antagonist and Neural Correlates of Rapid Antidepressant Response in Treatment-Resistant Bipolar Depression
3:30 pm	390	Ronald M. Burch	GLYX-13: An NMDA Receptor Glycine Site Partial Agonist is Efficacious in Animal Models of Depression and Anxiety without Side Effects that Predict Psychomimetic Effects
4:00 pm	391	Jing Du	Glutamatergic Synaptic Plasticity: A Window into Mood Disorders
4:30 pm	392	Gonzalo Laje	Can Genetic Variation Predict Response to Ketamine Treatment?

3:00 – 5:00 pm	Symposium - New Evidence of Serotonin 1B Receptors in Major Psychiatric Disorders		Pacific N
3:00 pm	393	Alexander Neumeister	5HT1B Receptor Imaging in Depression, PTSD, and Alcohol Dependence
3:30 pm	394	John F. Neumaier	5-HT1B Receptors Modulate Stress Resilience and Addiction
4:00 pm	395	Xiaohua Li	Optimizing Serotonin 1B Receptor Function by Targeting its Protein Modulators
4:30 pm	396	Margit Burmeister	HTR1B SNPs and Haplotypes as Predictors for Response to SSRI

3:00 – 5:00 pm	Symposium - Methodological Considerations for Pharmacogenetic Studies of Psychotropic Drug Response		Grand Ballroom B
3:00 pm	397	Jianping Zhang	Enhancing Power in Pharmacogenetic Studies: Maximizing Adherence and Meta-Analytic Strategies
3:30 pm	398	Edwin J.C.G. van den	Incorporating Other Data in GWAS Studies of Psychotropic Drug Response: Bioinformatics and

		Oord	Metabolomics
4:00 pm	399	Steve Hamilton	Optimizing GWAS for Pharmacogenetic Studies: Considerations of Relevant Phenotypes
4:30 pm	400	Anil K. Malhotra	Utilizing Novel Phenotypes in Pharmacogenetic Studies

3:00 – 5:00 pm		Symposium - Inner-Twitter: Altered Functional Connectivity in Schizophrenia and Bipolar Disease		Seacliff C/D
3:00 pm	401	Judith Ford	Resting State and Auditory Hallucinations	
3:30 pm	402	Vincent Calhoun	Intrinsic Functional and Structural Networks in Schizophrenia, Bipolar Disorder, and Healthy Controls	
4:00 pm	403	Susan Whitfield-Gabrieli	Altered Resting State Functional Connectivity in Schizophrenia and Bipolar Disorder	
4:30 pm	404	Scott R. Sponheim	Disturbed Connectivity within the Default Mode of the Brain in Schizophrenia: Using EEG Rhythms to Identify Resting State Network Abnormalities	

3:00 – 5:00 pm		Symposium - Neural Synchrony, Oxidative Stress and Neuroinflammation in Schizophrenia		Pacific L
3:00 pm	405	Kevin M. Spencer	Oscillatory Brain Dynamics in Schizophrenia	
3:30 pm	406	Vikaas Sohal	Optogenetic Approaches to Link Parvalbumin Dysfunction, Gamma Oscillations, and Prefrontal Information Processing	
4:00 pm	407	Rabindra Tirouvanziam	Immunoinflammatory Stress Loops in Patients with Autism and Other Chronic Neurological Disorders	
4:30 pm	408	Pascal Steullet	Altered Local Beta and Gamma Synchronization in Prefrontal Cortex of Mice with Redox Dysregulation or Maternal Immune Activation	

3:00 – 5:00 pm		Symposium - Research Advances in Diagnosing and Treating Early Onset Bipolar Disorder		Pacific M
3:00 pm	409	Kiki D. Chang	Genetic and Neurobiological Findings in Children with or At Risk for Bipolar Disorder	
3:30 pm	410	Mary L. Phillips	Neuroimaging Biomarkers of Future Bipolar Disorder in Clinically and Genetically At Risk Youth	
4:00 pm	411	John T. Walkup	The Treatment of Early-Age Mania Study (TEAM): Design, Methods, and Sample Baseline Characteristics	
4:30 pm	412	David Axelson	The Treatment of Early-Age Mania Study (TEAM): Primary Outcomes	

3:00 – 5:00 pm		Symposium - Inflammatory and Neurotrophic Markers in the Course of Bipolar Disorders		Pacific O
3:00 pm	413	Ellen Frank	Addressing the Medical Burden of Individuals with Bipolar Disorder: How and Why	
3:30 pm	414	Victoria E. Cosgrove	Life Stress and Bipolar Disorders Across the Lifespan	
4:00 pm	415	Ghanshyam N. Pandey	Proinflammatory Cytokines and Brain-derived Neurotrophic Factor in Patients with Pediatric Bipolar Disorders	
4:30 pm	416	Marcia Kauer-Sant'Anna	Brain-Derived Neurotrophic Factor and Inflammatory Markers in Patients with Early- vs. Late-State Bipolar Disorder	

3:00 – 5:00 pm		Workshop - Whither Psychiatric Genetics? What Have we Learned From the GWAS Era? A Debate and Discussion		Marina Room
5:00 pm	417	Karen Berman Daniel Weinberger Patrick Sullivan John Todd	See Abstract Book for description of this workshop	

5:00 – 6:30 pm		Poster Session		Pacific A-K
	418	Christopher Pittenger	Histidine Decarboxylase Disruption is Associated with Tourette Syndrome and TS Endophenotypes in Patients with a Defined Mutation and in Knockout Mice	
	419	Jean-René Cardinaux	Deletion of the CREB Coactivator CRTC1 Induces Pathological Aggression, Depression-Related Behaviors, and Neuroplasticity Genes Dysregulation in Mice	
	420	Mike Franklin	Is Sub-Chronic Dietary Tryptophan Depletion a Viable Animal Model of Depression - A Summation of New and Past Data	
	421	Erin Glennon	The Role of Neurogenesis in Segregating Relevant from Irrelevant Memories in Adult Rat	
	422	Clement Hamani	Deep Brain Stimulation Reverses Anhedonic-Like Behavior in a Chronic Model of Depression	
	423	Jeremy Hill	Effects of Ziprasidone on Neurogenesis and Depressive Behavior in Adult Monkeys	
	424	Daniela Jezova	Hyperaldosteronism in an Animal Model - Changes in Depression-Like Behavior and Gene Expression Relevant to Major Depressive Disorder	

425	Carly L. Kiselycznyk	Genetic and Pharmacological Analysis of the Role of the NMDA Receptor Glun2b Subunit in Antidepressant-sensitive Behavior
426	Robert K. McNamara	Adolescent Bipolar I Disorder Patients Exhibit Erythrocyte Long-Chain Omega-3 Fatty Acid Deficits During Acute Mania and Euthymia Following Pharmacotherapy: Support for a Trait versus State Feature
427	Robert K. McNamara	Omega-3 Fatty Acid Deficiency During Development Decreases Hippocampal Volume in Adult Rats: An in vivo Magnetic Resonance Imaging Study
428	Martine M. Mirrione	Lateral Habenula Circuit Activity Following High Frequency Deep Brain Stimulation
429	Mark D. Opal	Selective Serotonin 2C Receptor Antagonists Exert a Fast-Acting Antidepressant Response in Mouse Behavioral Tests
430	Carol A. Shively	The Effects of Sertraline HCl on Depressed Adult Female Nonhuman Primates
431	Eric A. Stone	Dipivalyl-6-fluoronorepinephrine (dp6fne), a Rapidly Acting Antidepressant and Sedation-free Anxiolytic
432	Ameer Y. Taha	Chronic N-methyl D-aspartate Administration Induces "Bipolar-like" Behavioral Changes in Rats
433	Dekel Taliatz	The Role of Brain-Derived Neurotrophic Factor in the Antidepressant Effect of Desipramine and Electroconvulsive Treatment
434	Brian Dean	Regionally-Specific Changes in Levels of Tumour Necrosis Factor in the Cortex Obtained Postmortem from Subjects with Mood Disorder
435	Alexandre D. Gigante	Decreased Levels of Uncoupling Protein 2, A Mitochondrial Proton Transporter, in Post-Mortem Prefrontal Cortex from Patients with Bipolar Disorder and Schizophrenia
436	William A. Hewlett	Systemic Lipopolysaccharide (LPS)-induced Increases in Serotonin Uptake in Mouse Brain are Dependent Upon Expression of P38 Mapk Within Central Serotonergic Neurons
437	Joshua Hunsberger	Profiling Micrnas Involved in the Neuroprotective Effects of Mood Stabilizers
438	Dennisse Jimenez	Suppression of Adult Hippocampal Neurogenesis Leads to Changes in Cornu Ammonis Region CA3 during Recovery from Acute Stress
439	Shakevia Johnson	Transforming Growth Factor-Beta-Inducible Early Gene 2 (TIEG2/KLF11) is Involved in the Activation of MAO A Gene Expression
440	Chinelo Udemgba	The Increase of Transforming Growth Factor-Beta-Inducible Early Gene 2 (TIEG2/KLF11) in Major Depressive Disorder
441	Sanghyeon Kim	Gene Expression Profiling and Novel Fusion Genes in the Hippocampus of Psychiatric Disorders Identified by RNA Sequencing
442	Xiaohua Li	Regulation of Gsk3 by 5-HT1A Receptors in the Hippocampus
443	Juan P. Lopez	The Potential Regulatory Role of miRNAs in Polyamine Gene Expression in the Prefrontal Cortex of Suicide Completers
444	Rodrigo Machado-Vieira	Lithium Increases Plasma Brain-Derived Neurotrophic Factor in Acute Bipolar Mania: A 4-Week Study
445	Rodrigo Machado-Vieira	The Effects of Lithium on Oxidative Stress Parameters in Healthy Subjects
446	Gilles Maussion	Differential DNA Methylation in Frontal Cortex of Suicide Completers
447	Naguib Mechawar	Evidence of Astrogliosis in the Anterior Cingulate White Matter of Depressed Suicides
448	Grazyna Rajkowska	Coverage of Orbitofrontal Cortex (ORB) Vessels by Astrocytic End-feet is Reduced in Major Depression
449	Rebecca A. McErlean	A Randomised Controlled Trial on Intranasal Oxytocin as an Adjunct to Interaction Coaching to Improve Maternal Bonding in Women with Mild Postpartum Depression
450	Julio Carlos Pezzi	6-Sulfatoxymelatonin as a Predictor of Clinical Outcome in Depressive Patients Treated with Inhibitors of Monoamine Uptake
451	Robert Post	More Stressors and Bipolar Illness Adversity in US than Europe
452	Bill Selig	Sleep Quality Disturbance Predicts Depressive Recurrence in Bipolar Disorder
453	Shefali Srivastava	Pilot Study of the Effectiveness of Double-Blind, Placebo-Controlled Brief Olanzapine Therapy in Heterogeneous Symptomatic Bipolar Disorder Patients
454	Leanne M. Williams	Identifying Gene, Brain, Cognition and Emotion Markers for Response to Antidepressants: The iSPOT-D Trial
455	E. Baron Short	10 Sessions of Adjunctive Left Prefrontal rTMS Significantly Reduces Fibromyalgia Pain: A Randomized Controlled Trial
456	Liron Rabany	Deep Transcranial Magnetic Stimulation (deep-TMS) Add-on for Treatment of Negative Symptoms and Cognitive Deficits of Schizophrenia: A Feasibility Study
457	Johanna M. Jarcho	Loss Aversion in Healthy and Anxious Individuals: A Developmental Investigation
458	David C. Glahn	Spatial Working Memory as an Endophenotype for Psychotic Bipolar Disorder

459	Julie A. Dumas	Working Memory and Emotional Processing in Geriatric Depression: An fMRI Study
460	June Gruber	Peripheral Nervous System Indicators of Positive Emotion Disturbance in Bipolar Disorder
461	Ra Yeon Ha	The Effect of Emotional Stimuli on Time Perception in Manic Patients
462	Catherine Jane Harmer	Antidepressant Modulation of Self-Relevant Emotional Processing
463	Elaine Henna	Impulsivity as a Vulnerability Trait for the Development of Bipolar Disorders
464	Pilyoung Kim	Neuroimaging Study of Motor Inhibition and Cognitive Flexibility in Children at Familial Risk of Bipolar Disorder
465	Matthew J. King	Autobiographical Memory and Propection in Mood Disorders
466	Linda Mah	Neural Substrates of Emotional Processing In Late-Life Depression
467	R. Hamish McAllister-Williams	Effects of the Oral Contraceptive Pill on Executive Function and Working Memory
468	Anthony Nazarov	Moral Reasoning Performance in Patients with Bipolar Disorder
469	Alexander B. Niculescu, III	Disease Risk Prediction in Psychiatric Disorders Using Panels of Markers
470	Vin Ryu	Altered Probabilistic Reward Learning and its Related Changes of Feedback-Related Negativity in Bipolar Patients: Preliminary Results
471	Withdrawn	
472	Greg J. Siegle	Towards Clinically Interpretable Single-patient fMRI: Understanding Response to Cognitive Therapy of Unipolar Depression as an Example
473	Marcio Gerhardt Soeiro-de-Souza	COMT Polymorphism Modulates Acute Cognitive Impairment Across Symptomatic Stages of Bipolar Disorder: The Dopamine Inverted U Shape Hypothesis
474	Zeeshan Syed	Computational Discrimination of Bipolar Disorder and Schizophrenia Using an Emotion Modulation Go/NoGo Paradigm and ERP Wave Patterns
475	Joanna Szczepanik	Scopolamine Influences Attention and Emotional Processing Biases in Depression
476	Laura A. Thomas	Parametric Modulation of Amygdala Activity by Emotion in Youth with Bipolar Disorder, Severe Mood Dysregulation, and Controls
477	Lúcia H. M. Vilela	A Vulnerability in Depressed with Family History of Depression and History of Auto Immune Disease
478	Zimri Yaseen	Differential Activation of Cortico-striato-thalamic Circuitry by Depression and Insecure Attachment
479	Dominique Musselman	Deficits in Everyday Living Skills Negatively Impact Glycemic Control in Urban African Americans with Type 2 Diabetes:
480	Kimberly Albert	Working Memory-Related Brain Activity Increases following Breast Cancer Chemotherapy
481	Dirk E. M. Geurts	Psychopathy: A Dysfunction In Pavlovian-to-instrumental Transfer
482	Angela Merkl	Neural Correlates of Emotion Recognition in Borderline Personality Disorder (BPD): A Magnetoencephalographic (MEG) Study
483	Matthew S. Shane	Evidence for Emotional Reactivity in Psychopathy: All You Need to do is Ask
484	Stuart F. White	A Test of Causal Hypotheses of Psychopathic Traits: Reduced Emotional Responsiveness or Anomalous Attentional Control?
485	Phillip P. Alexander	Insight into Cognition Predicts Response to Cognitive Training in Schizophrenia
486	Kristan Armstrong	Relational Memory Performance is Associated with Hippocampal Volume in Schizophrenia
487	Panos Bitsios	Cognitive and Personality Profile of Startle "Non-Responding" Status
488	Panos Bitsios	The Relationship of Prepulse Inhibition to Cognitive Function in a Large Population Sample
489	Kristin Cadenhead	Startle Reactivity and Prepulse Inhibition in Prodromal and Early Psychosis: Effects of Age, Antipsychotics, Tobacco and Cannabis in a Vulnerable Population
490	Alan Anticevic	Neural Correlates of Emotional and Non-emotional Interference on Working Memory in Schizophrenia
491	Monica E. Calkins	Experience, Expression, and Processing: Emotions in Young Patients with Psychosis and At-Risk for Psychosis
492	Elisa Brietzke	Impact of Migraine Comorbidity in the Clinical Course of Bipolar Disorder
493	Simon J. Evans	Fats and Factors: Association of Lipid Profiles with Personality Factors and Suicidal History in Bipolar Subjects
494	Withdrawn	
495	Kei Hamazaki	Fatty Acid Composition in the Postmortem Amygdala of Patients with Schizophrenia, Bipolar Disorder and Major Depression: No Changes in Long-chain Polyunsaturated Fatty Acids
496	Gabriela C. Kattan	Service Patterns for Youth with Bipolar Disorder: Results from the National Comorbidity Survey - Adolescent Supplement (NCS-A)
497	Femke Lamers	Depressive Subtypes in Adolescents and Adults: A Comparison of NCS-R and NCS-A

498	Gagan V. Nijjar	Seasonal Sleep and Weight Changes in the Older Order Amish
499	Olaoluwa O. Okusaga	Seasonal Variation in Suicide among Patients in the Veterans Affairs Health System
500	Teodor T. Postolache	<i>Toxoplasma gondii</i> Seropositivity and Completed Suicide in 20 European Countries
501	Teodor T. Postolache	Seasonality of Mood in the Old Order Amish
502	Tung-Ping Su	Antidepressant Resistance in Unipolar Depression Predict Subsequent Bipolarity: Evidence from a Sampled Cohort of 1996-2007 National Health Insurance Database in Taiwan
503	Samuel McLean	New Moderate or Severe Pain is Common after Sexual Assault
504	Hui-Hua Chang	Association between ABCB1 Polymorphisms and Fluoxetine/ Venlafaxine Treatment Response in Taiwanese Major Depressive Patients
505	Erika Freemantle	Fatty Acid Desaturase Variants, Gene Expression, and Activity Levels in Major Depressive Disorder
506	David C. Glahn	Impulsivity Elevated in Unaffected Siblings of Bipolar Probands
507	Gregor Hasler	Associations between Prefrontal GABA and a TPH2 Panic Disorder Risk Allele, and between Prefrontal NAA and a BDNF Bipolar Disorder Risk Allele
508	Johannes M. Hennings	BDNF and NTRK2 Polymorphisms and Antidepressant Treatment Response
509	Stephane Jamain	Alterations of ASMT, the Last Enzyme of the Melatonin Pathway, in Patients with Bipolar Disorders
510	Cecilie L. Licht	Association between Sensory Processing Sensitivity and the Serotonin Transporter Polymorphism 5-HTTLPR Short/Short Genotype
511	Eva Peñas-Lledó	CYP2D6 and Hormones: Implications for Suicide
512	Andrea F. Mello	Salivary Cortisol Levels of Street Children Compared to Their Siblings Who Were Not Working at the Streets
513	Andreas Menke	Glucocorticoid Induced FKBP5-gene Expression as a Biomarker for Depression
514	Corina E. Nagy	Involvement of Chromatin Modifications in the Extreme Low Expression of Astrocytic Genes in a Subphenotype of Suicide Completers
515	Eva Peñas-Lledó	CYP2D6, Role for Psychological Functioning and Potential Implication for Suicide
516	Warren D. Taylor	Genotypic Differences in Angiotensin Receptor Genes in Late-Life Depression
517	Audrey R. Tyrka	Epigenetic Modulation of Leukocyte Glucocorticoid Receptor in Healthy Adults: Effects of Childhood Parenting Experiences
518	Hsuan Chi Wang	Genetic Polymorphisms of CYP2C19 Influence Treatment Response to Antidepressants in a Taiwanese Population with Major Depressive Disorder
519	Clement C. Zai	Brain-Derived Neurotrophic Factor in Suicidal Behaviour -- A Meta-Analysis of Genetic Findings
520	Richard G. Boles	Mitochondrial DNA Polymorphisms Constitute Part of the Common Genetic Factor in Atypical Autism, Chronic Fatigue, Five Chronic Pain Syndromes, and Gastrointestinal Co-morbidity in Depression
521	Nathaly Rius-Ottenheim	Haplotype Analysis of the C-reactive Protein Locus and Dispositional Optimism in Three Cohorts of Elderly Subjects
522	Nathaly Rius-Ottenheim	Telomere Length and Mental Well-Being in Elderly Men from two European Countries
523	Elizabeth A. Thomas	Subjects with Psychiatric Disorders Lack Normal Age-Related Changes in Epigenetic Gene Regulation
524	Jose J. Miguel-Hidalgo	Relationship of Apoptosis Marker Caspase 8 and Proliferation Marker PCNA to Age in the Orbitofrontal Cortex in Depression and Alcoholism
525	Julia Sacher	Monoamine Oxidase A (MAO-A) Binding in Prefrontal and Anterior Cingulate Cortex in Postpartum Depression
526	Alice Egerton	Presynaptic Dopamine Dysfunction in People with Prodromal Signs of Schizophrenia: Confirmation in a Second Cohort
527	Robert McCullumsmith	Glutamate Transporter Abnormalities in Schizophrenia
528	Elizabeth Scarr	Decreased Mu Opioid Receptor Availability in Subjects with Schizophrenia Who Died by Suicide
529	Jeffrey K. Yao	Defective Purine Catabolism in High Risk Relatives of Patients with Schizophrenia
530	Jeffrey K. Yao	Associations between Purine Metabolites and Clinical Symptoms in Schizophrenia
531	Melissa R. Weiner	Personality Factors Predict Brain Responses to Images of High-Calorie Foods
532	Samuele Cortese	Reduced Brain Fractional Anisotropy at 33-Year Follow-Up in Adults with Attention-Deficit/Hyperactivity Disorder Established in Childhood
533	Cecile D. Ladouceur	White Matter Integrity in Adults with Childhood ADHD Relative to Healthy Adults: Preliminary Findings
534	Cecile D. Ladouceur	Influence of Puberty on Neural Systems of Emotion Processing and Regulation in Healthy Bipolar Offspring: Preliminary Data

535	Hannah Raila	Behavioral Activation and Inhibition Tendencies Predict Differential BOLD Response to Reward and Loss
536	Roscoe O. Brady	A Longitudinal MRS Investigation of the Manic and Euthymic States of Bipolar Disorder
537	Paul J. Carlson	Altered Habenula Activity following Ketamine Administration in Treatment-Resistant Major Depression
538	Kiki Chang	Neurofunctional Correlates of Response to Quetiapine in Youth with Bipolar Depression
539	Charles R. Conway	Using Functional Neuroimaging to Study Dopaminergic Effects of Adjunctive Aripiprazole on the Brain in Treatment-Resistant Major Depression
540	Kathryn R. Cullen	Abnormal Resting State Functional Connectivity in Adolescents with Major Depression: An Independent Component Analysis
541	Torbjørn Elvsåshagen	Widespread Reduced Axial Diffusivity in Left Frontotemporal White Matter and Corpus Callosum in Adults with Bipolar II Disorder
542	Jay C. Fournier	Responses to Particular Negative Emotional Stimuli Discriminate Bipolar from Unipolar Depression
543	Amy S. Garrett ¹	Changes in Brain Activation Following Family-Focused Treatment in Youth At-Risk for Bipolar Disorder
544	Malin Gingnell ¹	Amygdala Reactivity is Modulated Both by Trait Anxiety and Menstrual Phase in Patients with PMDD
545	David C. Glahn	White-Matter Microstructural Abnormalities in Bipolar Disorder: Effects of Lifetime History of Psychosis
546	Beata R. Godlewska	Decreased Neural Response to Fear after a Short-term SSRI Treatment: A 3T Functional Magnetic Resonance Imaging Study
547	Simone Grimm	The Effect of a Pharmacological Ketamine Challenge on Working Memory and Brain Metabolism
548	Tomas Hajek	Hippocampal Volume Decreases among Bipolar Subjects with Limited Lifetime Exposure to Lithium but not among Lithium Treated Bipolar Subjects
549	Lindsay Hanford	Emotional Conflict in Offspring of Bipolar Parents - Preliminary fMRI Findings
550	Michael E. Henry	Modulation of Occipital Glutamine Levels in Response to Graded Visual Stimuli: A Pilot Magnetic Resonance Spectroscopy Study
551	Paul E. Holtzheimer	Pretreatment Resting State fMRI Predicts Differential Response to CBT or Medication
552	Dorothea I. Horn	Cingulate MR Spectroscopy is Related to Abnormal Graph Metrics in the Salience Network of Depressive Patients
553	Matthew T. Keener	Cortical Midline Alterations during Implicit Identity Processing in Bipolar Disorder
554	Ryan Kelley	Deformations of Amygdala Morphology in Familial Pediatric Bipolar Disorder
555	David N. Kennedy	CANDIShare and the Internet Brain Volume Database: Publicly Available Imaging Data in Childhood Psychiatric Disorders
556	Rebecca Kerestes	Prefrontal Dysfunction during Implicit Emotional Face Processing in Remitted Major Depressive Disorder
557	Cédric Lemogne	The Neural Bases of Self-referential Processing in Depression: From Acute Phase to Vulnerability
558	Nikolai V. Malykhin	Structural Changes in Hippocampal Subfields in Major Depressive Disorder: A High-field MRI Study
559	Vikas Mangewala	Bilateral Hippocampal Volume Decreases in Pediatric Patients on Valproic Acid Treatment
560	Callie L. McGrath	Pretreatment Resting State FDG-PET Predicts Differential Response to CBT or Medication
561	Andrew M. McIntosh	Convergent Effects of Schizophrenia and Bipolar Susceptibility Genes on White Matter Integrity
562	Jared L. Moreines	Reduced White Matter Integrity and Altered White Matter Asymmetry in Adults with Bipolar Disorder Revealed by Tract-Based Spatial Statistics
563	Eydie L. Moses-Kolko	Altered Reward Processing In Postpartum Major Depression: An fMRI Study
564	Fabiano G. Nery	A Proton Magnetic Resonance Spectroscopy Study of the Anterior Cingulate in Unaffected First-degree Relatives of Bipolar Disorder Type I Patients
565	Fabiano G. Nery	A Voxel Based Morphometry Study of Gray Matter Abnormalities in Bipolar Disorder Type I Patients and Their Unaffected First-degree Relatives
566	Alessandra M. Passarotti	Working Memory Networks are Influenced by Angry Facial Emotion in Pediatric Bipolar Disorder
567	Martha E. Payne	Stress Vulnerability Moderates the Association between White Matter Lesions and Late-Life Depression
568	Jo Cara Pendergrass	A Neuroimaging Study of Hippocampal Involvement in the Regulation of Motor Response in Bipolar Disorder
569	Susan B. Perlman	Dissociable Patterns of Abnormal Amygdala Activity and Prefrontal Cortical-amygdala Effective

			Connectivity to Positive Versus Negative Emotional Faces in Bipolar Depression and Remission
570	Jennifer L. Phillips		Analysis of Cortical Thickness in Treatment-Resistant Major Depressive Disorder
571	Andrea Pousada-Casal		An fMRI Study of Verbal Encoding in Persons with Bipolar Disorder or at Genetic Risk for Bipolar Disorder
572	Karina Quevedo		Knowing what is Won or Lost: Functional Neural Circuitry in Chronic Depressed Patients during Anticipation and Receipt of Outcomes
573	Epolia Ramadan		Chronic Valproate Blocks D2-like Receptor-Mediated Brain Signaling via Arachidonic Acid in Unanesthetized Rats
574	Amy E. Ramage		Altered Resting rCBF in the Default Mode Network Associated with Pre-clinical Symptoms in Adolescents with Familial Loading for Depression
575	Maria R. Restivo		An Exploration of the Impact of Weight Loss on Declarative Memory and Executive Functioning in Bipolar and Major Depressive Disorders
576	Sakina J. Rizvi		Subgenual Cingulate Gyrus Deep Brain Stimulation for Refractory Major Depressive Disorder: Differences in FDG-PET Between Responders and Non-responders
577	Gloria Roberts		Impaired Inferior Frontal Gyrus Response to an Emotional Inhibition Task in Young First-degree Relatives of Bipolar Disorder Patients Compared to Controls
578	Donna J. Roybal		White Matter Tract Alterations in Youth at Risk for Bipolar Disorder
579	Jonathan Savitz		Persistent Remission of Unmedicated Patients with Major Depressive Disorder Associated with Larger Subcallosal Gyrus Volumes
580	Milan Scheidegger		Emotional Processing and Brain Metabolism after Pharmacological Stimulation with Ketamine - Implications for Major Depression
581	Manpreet K. Singh		Resting State Functional Connectivity in Adolescents with Bipolar I Disorder
582	Manpreet K. Singh		Early Intervention Strategies and Their Biological Correlates in Children at Risk for Bipolar Disorder
583	Alexandra Soliman		Acute Effects of Stress Upon Prefrontal and Limbic MAO-A Binding in Healthy Humans: A [¹¹ C]harmine PET Study
584	Michael C. Stevens		Abnormal fMRI Brain Responses in Bipolar Disorder to an Incidental Emotional Task
585	James E. Swain		Emotions and Behavior Affect the Brain According to Parenting, Gender, Delivery and Breastfeeding
586	Ryu Takizawa		Fronto-Temporal Hemodynamic Response as an Aid to Guide Differential Diagnosis: A Multi-site fNIRS Study
587	H. Thermenos		Default Network Activity Differentiates Adolescent and Young Adult Relatives of Persons With Bipolar Disorder and Schizophrenia
588	Arlener D. Turner		Association between Hippocampal Volume and Verbal Memory in Unmedicated Depressed Patients and Healthy Controls
589	Rodrigo Grassi-Oliveira		Differences in Chemokine Levels in Individuals with Recurrent Major Depression Disorder with and without Suicide Ideation
590	Kim Hinkelmann		Changes in Cortisol Secretion during Antidepressive Treatment and Cognitive Improvement in Patients with Major Depression: A Longitudinal Study
591	Jussi Jokinen		CSF Oxytocin, Interpersonal Violence and Suicide Intent
592	Mario F. Juruena		Prednisolone Suppression Test Predicts Outcome in Treatment Resistant Depression, but not Dexamethasone
593	Martin Kammerer		Diagnostic and Biological Characteristics of Depression in Pregnancy and Postpartum
594	Tara K. Mann		High Dose IL-2 in Patients with Malignant Melanoma: Impact on Depression, Neurotoxicity, and Treatment Adherence
595	Withdrawn		
596	Samantha Meltzer-Brody		Neuroendocrine Pathophysiology in Postpartum Depression and Lactation Failure
597	Cort A. Pedersen		Relationships among Perinatal Depression and Anxiety Symptoms, Thyroid Measures and Psychiatric History
598	Dorothy Sit		Glucose Tolerance and Obesity in Pregnant Women with Unipolar and Bipolar Disorders
599	Meir Steiner		Depression and Stress are Associated with Blunted Cortisol Activity in Pregnant Immigrant Women
600	Meir Steiner		Frontal Executive Attention Network in Medication-Free Women With Depression during Menopausal Transition: Normalization of Prefrontal Cortical Hyperactivation after Antidepressant Treatment
601	Mariana D. Compagnone		Chronic Stress Effects on Verbal Fluency: A Mediating Role for the Hypothalamic-Pituitary Adrenal Axis?

602	Mary E. Kelley	The Illness Density Index (IDI): A Measure of Treatment Success for Psychiatric Measures
603	Suhayl Nasr	The Use of Multiple Tests to Improve Screening for Bipolar Disorder
604	Perry F. Renshaw	Serum Biomarker Panels for MDD Diagnosis and Prediction of Antidepressant Treatment Outcomes
605	Kelly A. Ryan	Occupational Disability in Bipolar Disorder Related to Cognitive Factors
606	Catherine S. Symonds	Acute Hydrocortisone Challenge Causes Rapid Modulation of BOLD Signal in the Hippocampus
607	Zimri Yaseen	Predicting Depression and Insecure Attachment Using Functional Magnetic Resonance Imaging
608	Mina Nashed	Examination of the Mechanisms of Weight Gain in Patients with Depression
609	Suhayl Nasr	Comparison of Duloxetine and Desvenlafaxine in an Outpatient Psychiatric Clinic
610	Roy Perlis	Association of Additional Common Variants in <i>COMT</i> with Duloxetine Efficacy in Patients with Major Depressive Disorder
611	George Bartzokis	Abnormal Trajectory of Intracortical Myelination in Schizophrenia Implicates White Matter in Treatment Response and Outcomes
612	Kristin L. Bigos	Genetic Variation in Cytochrome P450 Drug Metabolizing Enzymes Impacts Clearance of Antipsychotics
613	Pradeep Banerjee	In Vivo Characterization of Levomilnacipran, a Balanced Serotonin Norepinephrine Reuptake Inhibitor
614	Stella Manta	Effects of Long-term Vagus Nerve Stimulation (VNS) on Extracellular Levels of Serotonin and Norepinephrine in the Rat Brain
615	Arne Mørk	Augmentation of SSRI-Induced Antidepressant-Like Effect and SSRI-Induced Increase in Serotonin Levels by Co-administration of a 5-HT ₃ Receptor Antagonist
616	Arne Mørk	Lu AA21004, a Novel Antidepressant with Multimodal Activity Exerted through Serotonergic Targets
617	Alan L. Pehrson	Steady-State Levels of the Antidepressant Lu AA21004 in Plasma, Brain and CSF, and 5-HT Target Engagement in the Rat
618	Stacey Shim	Long-Term Administration of the Novel Anticonvulsant Drug Carisbamate Enhances Serotonin Neurotransmission
619	Dean F. Wong	A Phase I, Open-Label PET Study of the Pharmacokinetics, Tolerability and D2/D3 Striatal Occupancy of Single-Dose Oral OPC-34712 in Healthy Subjects
620	Elena M. Drummond	Translation of Receptor Occupancy Measurements Across Species for an $\alpha_4\beta_2$ nAChR Partial Agonist
621	Nika Adham	Cariprazine Shows Dopamine D ₃ Receptor-Dependent Procognitive Effects on Working Memory and Social Recognition and Interaction
622	Clare L. Beasley	Increased Lipid Peroxidation and Peroxyredoxin Levels in Liver of Rats Treated with Haloperidol and Clozapine
623	Wei-li Chang	Stereochemical and Neuroanatomical Selectivity of Pramipexole Effects on Sensorimotor Gating
624	Michael Lyvers	Alexithymia in Relation to Frontal Lobe Functioning, Emotional Intelligence, Parental Alcoholism and Alcohol Consumption in a Non-Clinical Sample
625	Ramez Ghanbari	Modification of Serotonin and Norepinephrine, But Not Dopamine, Neuronal Firing by Sustained Administration of Trazodone
626	Peter Giacobbe	Stimulation Dependent Increase in EEG Power in the Frontal Cortex with Subgenual Cingulate Gyrus Deep Brain Stimulation: A Quantitative EEG Study
627	Anja Schmitz	The Nociceptive Eyeblink Reflex is Altered in Migraine with Aura, but not in Major Depression
628	Emiko Kasahara	Restraint Stress Induces Mitochondrial Dysfunction in the Liver
629	Jill F. Betts	Administration of an Inhibitor Of D-amino Acid Oxidase Increases Extracellular Dopamine in the Rat Prefrontal Cortex in vivo
630	Camilo de la Fuente-Sandoval	Prepulse Inhibition and Magnetic Resonance Spectroscopy are Reliable between US and Mexican Sites: Preparing for a Binational Study of the Prodrome and First Episode of Psychosis
631	Jonathan M. Levenson	Gamma Oscillation Correlates of Cognition Shared Between Mouse and Man
632	Jeffrey R. Cottrell	The Mantra System: A High-throughput Screening Platform for the Identification of Modulators of the Synaptic Vesicle Cycle
633	Brian J. Roach	EEG Gamma Band Phase Variance Derived From Auditory Steady State and Single Auditory Stimulus Paradigms Converge in Showing Deficient Gamma Synchrony in Schizophrenia
634	Judith V. Schweimer	Co-Administration of the D-Amino Acid Oxidase Inhibitor, Sodium Benzoate, and D-Serine Increases Firing of Identified Dopamine Neurons in the Rat Ventral Tegmental Area in vivo
635	Michael A. Nitsche	Nicotinic Impact on Focal and Non-focal Neuroplasticity Induced by Non-invasive Brain Stimulation in Non-smoking Humans
865	Sarah Jacobson	Neuroanatomic Predictors of Psychosocial Outcomes in Young People at Clinical High-Risk for

			Psychosis
767	Mark A. Frye		Varenicline for Smoking Cessation in Bipolar Patients with Subsyndromal Depression
780	Tyler A. Lesh		Disentangling Incentive Effects from Cognitive Control Processes in Schizophrenia

5:00 – 6:30 pm	Late-Breaking Poster Session	Pacific A-K
	See On-Line Program Planner for abstracts accepted in this late-breaking poster session. Not in abstract book.	
987	Erika Comasco	The μ -opioid Receptor Asn40asp Polymorphism, Alcohol Use And Depression: A Study On Severely Alcoholic Females And Population-representative Adolescents
988	Ethan G. Brown	The Effects of Targeted Cognitive Training on Neural Activity in Patients with Schizophrenia during an Audio-motor Processing Task
989	Eva M. Peñas-Lledo	High Risk of Lifetime History of Suicide Attempts among CYP2D6 Ultrarapid Metabolizers with Eating Disorders
990	Gabriele Sachs	Neurobiological Effects Of Atypical Antipsychocotics And Cognitive Remediation Therapy In First Episode Schizophrenia
991	Godfrey D. Pearlson	Effects of NMDA Receptor Antagonism on Response Inhibition in Individuals With and Without a Family History of Alcoholism
992	H Valerie Curran	Sub-chronic Impact Of Cannabinoids In Street Cannabis On Cognition, Psychotic-like Symptoms And Psychological Well Being
993	Hugh B. Solvason	Radiosurgical Neuromodulation Targeting Cingulate Area 25 For Treatment Of Refractory Bipolar Depression
994	James B. Fox	Cortical Activity Affects TMS Activation During Working Memory Task
995	Jasper Looijestijn	Out of Our Minds: The Auditory 'where' Pathway Projects Hallucinated Voices Into External Auditory Space
996	Jean-Christophe Chauvet-Gélinier	Activation of a Δ FOSB Dependent Gene Expression Pattern in the Dorsolateral Prefrontal Cortex of Patients With Major Depressive Disorder
997	Jean-Christophe Chauvet-Gélinier	Comparison of the Antidepressant Efficacy of rTMS Delivered to Brodmann 9 versus 46: a Randomized, Controlled, Double-Blind, Pilot Study
998	Jean-Christophe Chauvet-Gélinier	TMS for the Treatment of Depressive Disorders: The Importance of the Cerebral Cortex Depth
999	Jean-Pierre Lindenmayer	Metabolic Syndrome And Cognition In Patients With Schizophrenia Following Cognitive Remediation
1000	Jeffrey M. Miller	Serotonin 1A Binding As Assessed by PET and Prediction of Antidepressant Treatment Outcome
1001	Jennifer L. Warner-Schmidt	Antidepressant Effects Of SSRIs Are Attenuated By Anti-inflammatory Drugs In Mice And Humans
1002	Kai S. MacDonald	Oxytocin Improves Social Cognition In Patients With Depression
1003	Kenji Kiriara	Gamma and Theta Oscillations and Their Cross Frequency Coupling in Schizophrenia
1004	Krishna M. Pancholi	Reward-punishment Outcome and Cocaine Dependence - A Modified Monetary Incentive Delay Task Study
1005	Lana Depatie	Longitudinal Course of Executive Functions in Subtypes of ADHD
1006	Lana Depatie	Functional Neuroanatomy of Antisaccade Deficits in Subtypes of ADHD
1007	Maggie B. Baker	Disruption of Early Maternal Care in Rhesus Macaques Results in Epigenetic Regulation of the Oxytocin Receptor (OXTR) Gene
1008	Leah Aluisio	Pharmacological Blockade of Serotonin 5-HT ₇ Receptor Reverses Working Memory Deficits in Rats by Normalizing Cortical Glutamate Neurotransmission
1009	Withdrawn	
1010	Matthew S. Milak	A Neurochemical Endophenotype For Major Depressive Disorder
1011	Meir Steiner	Cortical Thickness Analysis in Unmedicated Women with Perimenopausal Depression
1012	Erin A. Hazlett	Aging and Frontal-temporal White Matter Integrity in Schizotypal Personality Disorder
1013	Eva C. Ihle	Therapy Through Education: A College Level Course on the Biology and Psychology of the Stress Response for Returning Combat Veterans
1014	Withdrawn	
1015	Gwenn S. Smith	PET Studies of Cortical Beta-Amyloid Deposition measured with [11C]-PiB in Geriatric Depression (GD)
1016	Keri Martinowich	Activity-dependent Brain-derived Neurotrophic Factor Expression Regulates Cortistatin-interneurons And Sleep Behavior
1017	Mark Stein	Efficacy of Guanfacine Extended Release, Administered in the Morning or Evening, in the

			Treatment of Children With Attention-Deficit/Hyperactivity Disorder
	1018	Leanne M. Williams	Sensitivity, Specificity And Predictive Power Of The "BRISC", A Brief Web Screen For Brain Health
	1019	Leonardo D'Aiuto	Using Human Induced Pluripotent Stem Cells To Investigate Neurodevelopmental Effects Of Human Cytomegalovirus
	1050	Vaibhav A. Diwadkar	Affective Interference By The Amygdala During Episodic Memory In Borderline Personality Disorder: Network Function Assessed With fMRI
	984	Brian R. Cornwell	A Sensory Cortical Signature of Ketamine's Rapid Antidepressant Effects
	967	Benjamin A. Everett	Positron Emission Tomography Quantification Of Serotonin Transporter In Medication-free Bipolar Disorder
	1022	Michelle S. Horner	Cortisol, Testosterone and Transmissible Risk for Substance Use Disorder: A Longitudinal Study

6:45 – 8:15 pm	Welcome Reception	Hospitality Room
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Saturday, May 14, 2011

7:00 – 8:00 am	Continental Breakfast		Grand Ballroom Foyer
7:30 – 5:00 pm	Speaker Ready Room		Regency B
7:00 – 5:30 pm	Registration		Grand Ballroom Foyer
8:00 – 11:30 am	Plenary Session – Advances in Neurotechnology: Enhancing Brain Plasticity and Beyond		Grand Ballroom
8:00 am	636	Michael Merzenich	Brain Plasticity and Cognition Retraining
8:45 am	637	Linda Avey	A Consumer-Centric Research Approach: Defining New Models for Human Subject Engagement with a Social Twist
10:00 am	638	Krishna V. Shenoy	Toward Clinically Viable Brain-Machine Interfaces
10:45 am	639	Fred H. Gage	Function and Regulation of Adult Neurogenesis
9:30 – 10:00 am	Break		Grand Ballroom Foyer
11:30 – 12:30 pm	Lunch & Networking		Grand Ballroom Foyer
12:30 – 2:30 pm	Symposium - Deconstructing Depression: Towards a Brain Circuitry Based Imaging Classification		Seacliff A/B
12:30 pm	640	Yvette Sheline	Hijacked by the Dorsal Nexus: Increased Connectivity Across Circuits in Major Depression and PTSD
1:00 pm	641	Mary Louise Phillips	Differential Patterns of Emotion Regulation Neural Circuitry Abnormalities Distinguish Bipolar and Unipolar Depression
1:30 pm	642	Amit Etkin	Common-Disorder vs Independent Factor Models for GAD and MDD Using Resting-state Data
2:00 pm	643	Deanna Barch	Increased Activity and Decreased Connectivity of the Amygdala in Depressed Children
12:30 – 2:30 pm	Symposium - Cell Aging and Telomere Attrition in Major Depression		Pacific L
12:30 pm	644	Naomi Simon	Theory and Evidence for Telomere Shortening in Depression Modeled as a Chronic Stress-related Disorder
1:00 pm	645	Brenda Penninx	Inflammation and HPA Axis Dysregulation as Mediators of Cell Aging in Depression
1:30 pm	646	Owen M. Wolkowitz	Telomere Shortening and Telomerase Activation in Major Depression: Correlations with Oxidative Stress and Inflammation and Prediction of Antidepressant Response
2:00 pm	647	Audrey Tyrka	Impact of Early Childhood Adversity on Cell Aging Markers in Adulthood
12:30 – 2:30 pm	Symposium - Early Life Pharmacotherapy for Psychiatric Disease: A Two-edged Sword		Grand Ballroom C
12:30 pm	648	Susan Andersen	The Equal, but Opposite Hypothesis of Enduring Drug Action following Developmental Exposure
1:00 pm	649	Mark S. Ansorge	Monoamine Signaling During Development Modulates Brain Maturation to Alter Adult Behavior - Critical Windows and Mechanistic Insight
1:30 pm	650	Douglas O. Frost	Long-Term Behavioral and Neurobiological Sequelae of Adolescent Atypical Antipsychotic Treatment
2:00 pm	651	Tim F. Oberlander	Effects of Prenatal Exposure to Maternal Mood Disturbances and Antidepressants: Genetic and Epigenetic Influences, Serotonin Signaling and Early Childhood Behavior
12:30 – 2:30 pm	Symposium - Epigenome Mapping in Schizophrenia and Mood Disorders		Grand Ballroom A
12:30 pm	652	James Potash	DNA Methylation Signatures in Major Depression
1:00 pm	653	Victoria Haghghi	Regional Patterns of DNA Methylation
1:30 pm	654	Tadafumi Kato	Brain DNA Methylomes: Cell-specific Regulation, Subject-Specific Signatures, and Potential Changes in Bipolar Disorder
2:00 pm	655	Schahram Akbarian	Neuronal H3K4me3 Epigenomes in Prefrontal Cortex: I. Developmental Regulation. II. Alterations in Schizophrenia and Related Disease

12:30 – 2:30 pm		Symposium - Prediction and Psychosis		Seacliff C/D
12:30 pm	656	Abraham Reichenberg	Modeling the Expression and Course of Developmental Abnormalities Preceding Adult Schizophrenia: Characterization of a New Developmental Ultra-High-Risk Group in 2 Birth Cohorts	
1:00 pm	657	Carrie E. Bearden	Using Multi-Modal Neuroimaging Data to Predict Conversion to Psychosis in Clinically At-Risk Youth	
1:30 pm	658	Paola Dazzan	Individualized Prediction of Illness Course at the First Psychotic Episode: A Support Vector Machine MRI Study	
2:00 pm	659	Katherine E. Burdick	Predictors of Functional Disability in Patients with Schizophrenia and Affective Psychosis: Symptoms, Cognition, and Genes	

12:30 – 2:30 pm		Symposium - Individual Variation in Neuropsychiatric Disease and Functional Connectivity		Grand Ballroom B
12:30 pm	660	Bharat B. Biswal	Resting State Functional Connectivity	
1:00 pm	661	Philip R. Corlett	Delusions and the Brain: Exploring Delusion Content using Functional Connec	
1:30 pm	662	Alan Anticevic	Dealing with Individual Variability in Functional Dysconnectivity	
2:00 pm	663	Andreas Meyer-Lindenberg	A Genome-wide Significant Neural Risk Mechanisms for Schizophrenia and the Brain Connectome	

12:30 – 2:30 pm		Symposium - 2B or not 2B: The HTR2B Receptor and Behavior		Pacific M
12:30 pm	664	David Goldman	A Common, Population Specific Stop Codon in the Human HTR2B Gene Found by Resequencing	
1:00 pm	665	Luc Maroteaux	Peripheral and Behavioral Functions of the HT2B Receptor in Mice	
1:30 pm	666	Laura Bevilacqua	Common and Rare Genetic Variation at the HTR2B Gene Influence Impulsive Behavior	
2:00 pm	667	Larry J. Siever	5-HT2b Alleles, Frontal Activation, and Aggressive Behavior	

12:30 – 2:30 pm		Workshop – Acute Effects of Deep Brain Stimulation for Treatment-Resistant Depression: Using Variability Across Targets to Inform on the Neurobiology of Mood Regulation		Pacific N
	668	Paul E. Holtzheimer Darin D. Dougherty Helen Mayberg Thomas E. Schlaepfer	See Abstract Book for description of this workshop	

12:30 – 2:30 pm		Oral Session - Substance-Related Disorders		Pacific O
12:30 pm	669	Patrick D. Skosnik	Pharmacologically-Induced GABA Deficits Potentiate the Psychotomimetic Effects of THC: Psychophysiological Correlates	
12:45 pm	670	Georg Winterer	The German Multicenter Study on Nicotine Dependence: Risk-associated Phenotypes	
1:00 pm	671	Pingxing Xie	Protective Effect of Rare Nonsynonymous Variants In the Alpha-4 Subunit of Nicotinic Acetylcholine Receptor Gene (chrna4) for Nicotine Dependence	
1:15 pm	672	Funda Akkus	Marked Global Reduction of mGluR5 Receptor Density in Smokers	
1:30 pm	673	Deepak Cyril D'souza	Decreased Beta2*-nAChR Receptor Availability in Recently Abstinent Smokers with Schizophrenia	
1:45 pm	674	Francesco Musso	Impact of Nicotine on Emotional Face Processing Network: A Dynamic EEG-Informed fMRI Modeling Study	
2:00 pm	675	Segev Barak	GDNF Reverses Allostasis of the Mesolimbic Dopaminergic System Induced by Alcohol: Implications for Alcohol Reward and Seeking	
2:15 pm	676	Iliyan Ivanov	Activation of the Motivation and Behavioral Inhibition Systems and Vulnerability for Substance Abuse in Drug Naive Youth	

12:30 – 2:30 pm		Late Breaking Oral Session - Genetics		Marina Room
			See On-Line Program Planner for abstracts accepted in this late-breaking oral session. Not in abstract book.	
12:30 pm	677	Thomas W. Weickert	NMDAR2B Genotype Influences Prefrontal mRNA Levels and Working Memory in People Schizophrenia and Controls	
12:45 pm	678	Carsten Korth	Convergence of Two Independent Mental Disease Genes on the Protein Level: Recruitment of Dysbindin to Cell-Invasive DISC1 Aggregates	
1:00 pm	679	David T. Chen	Meta-analysis of European and Asian-ancestry Samples Identifies 3 Novel Loci Associated with Bipolar Disorder	

1:15 pm	680	Roy Perlis	Meta-analysis Of Genome-wide Studies of Antidepressant Response in Major Depressive Disorder
1:30 pm	681	Rudolf Uher	Genetic Predictors of Response to Serotonergic and Noradrenergic Antidepressants: a NEWMEDS consortium mega-analysis of five studies
1:45 pm	682	Bertram Müller-Myhsok	Comprehensive Genomewide Analysis of Snp X Snp Epistatic Effects Influencing Response Phenotypes in the Treatment of Major Depression Point To An Involvement Of The Meis System
2:00 pm	683	Gonzalo Laje	Whole Exome Sequencing and Antidepressant Treatment Outcome
2:15 pm	683A	N/A	N/A

2:30 – 3:00 pm	Break – Grand Ballroom Foyer		
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3:00 – 5:00 pm	Symposium - Translational Research in Gene-Environment Interactions in Psychiatry		Seacliff A/B
3:00 pm	684	Stephen J. Suomi	Gene-Environment Interplay in Primates: Protective Effects of Maternal Buffering
3:30 pm	685	John L. Waddington	Gene-Environment Interactions in NRG1 and COMT Mutants across the Developmental Trajectory of Schizophrenia: Biological and Psychosocial Adversities
4:00 pm	686	Bagrat Abazyan	Genetic Mutations in Neurons and Astrocytes Contribute to Neuroimmune Abnormalities in Psychiatric Disorders
4:30 pm	687	Kiyofumi Yamada	Role of IFITM3 in PolyI:C-Induced Brain Dysfunction: Implication in Neurodevelopmental Disorders

3:00 – 5:00 pm	Symposium - Causes and Management of Chronic Hyponatremia in Psychosis: New Findings		Pacific N
3:00 pm	688	Arthur J. Siegel	The Clinical Challenge of Chronic Hyponatremia in Psychiatric Patients
3:30 pm	689	Morris B. Goldman	Neuroanatomy: Structural Basis of Neuroendocrine Dysfunction in Hyponatremic Patients
4:00 pm	690	Joseph G. Verbalis	Vasopressin Receptor Antagonists: A New Therapeutic Tool
4:30 pm	691	Richard C. Josiassen	Hyponatremia in Psychosis: Treatment Guidelines and Future Directions

3:00 – 5:00 pm	Symposium - Intermediate Phenotypes in the Schizophrenia Spectrum: Disentangling Underlying Dimensions		Grand Ballroom C
3:00 pm	692	Andreas Meyer-Lindenberg	Dissociating Neural Systems and Cognitive Impact of Genome-Wide Significant Risk Variants for Psychosis
3:30 pm	693	Panos Roussos	Impact of Schizophrenia Candidate Genes on Sensorimotor Gating, Cognition and Personality Dimensions at Population Level
4:00 pm	694	Larry J. Siever	Schizophrenia Susceptibility Genes and Intermediate Phenotypes in Schizotypal Personality Disorder
4:30 pm	695	Nicholas C. Stefanis	The Athens Study of Psychosis Proneness and Incidence of Schizophrenia (ASPIS): Genetic Impact on Cognitive, Schizotypal and Stress Induced Psychosis Intermediate Phenotypes

3:00 – 5:00 pm	Symposium - Enhancing Emotion Regulation in Depression, Anxiety, Borderline Personality: Neural Correlates		Grand Ballroom A
3:00 pm	696	Philippe R. Goldin	Mindfulness-Based Stress Reduction (MBSR) for Social Anxiety Disorder: Neural and Behavioral Correlates
3:30 pm	697	Norman A. S. Farb	Mindfulness-Based Stress Reduction and the Neural Expression of Sadness
4:00 pm	698	Harold W. Koenigsberg	Reappraisal Training to Reduce Negative Emotional Reactivity in Borderline Personality Disorder
4:30 pm	699	David Linden	Functional Magnetic Resonance Imaging (fMRI)-based Neurofeedback in the Treatment of Depression

3:00 – 5:00 pm	Symposium - Therapeutic Mechanisms of Brain Stimulation in Major Depressive Disorder		Seacliff C/D
3:00 pm	700	Andrea J. Levinson	Evidence for GABA Deficits in Major Depressive Disorder
3:30 pm	701	Zafiris J. Daskalakis	ECT-Induced Potentiation of GABAergic Inhibitory Neurotransmission in Treatment Resistant Depression
4:00 pm	702	Malek Bajbouj	Cortical Excitability Changes in the Course of Brain Stimulation Treatment
4:30 pm	703	Andrew Kozel	The Effects of rTMS in the Prefrontal Cortex in Depression: A Potential Biomarker in MDD

3:00 – 5:00 pm	Symposium - Neuroimaging Approaches to the Development of Treatment for Substance Use Disorders		Pacific L
3:00 pm	704	Mary R. Lee	Nicotine and COMT Val158Met Genotype Regulate Activation in a Cortico-Striatal Network during Reward Processing

3:30 pm	705	Jean Lud Cadet	Neurobiological Bases of Decision-Making Deficits in Marijuana Users: Therapeutic Implications
4:00 pm	706	Diana Martinez	Imaging Dopamine Transmission in Cocaine Dependence: Neurochemistry Predicts Response to Treatment
4:30 pm	707	Rita Z. Goldstein	Cortical Control of Behavior: A Path to Addiction Recovery?

3:00 – 5:00 pm	Symposium - Prenatal Stress, Child Outcomes and Mediating Mechanisms		Pacific M
3:00 pm	708	Vivette A S Glover	Persisting Effects of Prenatal Anxiety on Child Behaviour and HPA Axis Function: Evidence from the ALSPAC Cohort
3:30 pm	709	Stephen G. Matthews	Maternal Adversity, Glucocorticoids and Programming of the Developing Brain
4:00 pm	710	Frances A. Champagne	Effects of Perinatal Maternal Stress on Gene Expression and Neurodevelopment
4:30 pm	711	Kieran J. O'Donnell	Prenatal Anxiety and the Human Placenta

3:00 – 5:00 pm	Symposium - Use of Human Living and Induced CNS Cells in Psychiatry		Grand Ballroom B
3:00 pm	712	Akira Sawa	Successful Production of Human Induced Neuronal Cells (iN cells) and its Potential in Biological Psychiatry
3:30 pm	713	Sabina Berretta	Olfactory Epithelium Abnormalities in Schizophrenia
4:00 pm	714	Rita Sattler	Human and Rodent Olfactory Epithelium as a Dynamic Marker for Nervous System Therapy Development
4:30 pm	715	Shin-ichi Kano	Whole Genome Molecular Profiling with Olfactory Neurons and iPS Cells from Patients with Schizophrenia and Controls

3:00 – 5:00 pm	Oral Session - Psychosis		Pacific O
3:00 pm	716	Raquel E. Gur	DTI Measures of Anisotropy and Diffusivity in Schizophrenia
3:15 pm	717	Stephen J. Wood	Neuroimaging Markers of Poor Functional Outcome Seven to 14 Years after Identification as at Ultra-High Risk for Psychosis
3:30 pm	718	Bruce I. Turetsky	Spontaneous and Auditory Evoked Gamma and Theta Oscillations in Schizophrenia Probands and Unaffected First-Degree Relatives: Data from the COGS Study
3:45 pm	719	Renaud Jardri	Predictive Functional Brain Imaging of Hallucinations
4:00 pm	720	Aysenil Belger	Phenotype Based Connectivity Analysis (PBCA) for Characterization of Intrinsic Functional Connectivity Networks in Familial Risk and Schizophrenia
4:15 pm	721	Joseph J. Shaffer	Negative Symptom Clustering Reveals Distinct Brain Circuits Alterations in Schizophrenia Subgroups
4:30 pm	722	Veena Kumari	Attenuated Brain Activity to Threat with a Favourable Outcome of Cognitive Behaviour Therapy for Psychosis
4:45 pm	723	Stephan F. Taylor	Probing GABAergic Function during Emotional Appraisal in Psychosis

	724-731		These abstract #s not used.
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5:00 – 6:30 pm	Poster Session		Pacific A-K
		See Abstract Book	See Abstract Book for poster presentations in this Session
	732	Jean Ee Tang	Neurogenesis in the Prefrontal Cortex of Post-ECS Adult Bonnet Macaques
	733	Susannah Tye	Effect of Deep Brain Stimulation on Nucleus Accumbens Dopamine in a Preclinical Model of Antidepressant Treatment-Resistance
	734	Stephanie L. Willard	Effects of Menstrual Cycle and Social Stress on Circulating Brain-derived Neurotrophic Factor in Female Monkeys
	735	Amy E. Dawson	Perinatal NR2B Antagonism in Mice: An Exploratory Animal Model of Schizophrenia
	736	Isaac M. Goldszer	Adolescent Development of Auditory Cortex in Mouse Strains Relevant to Genetic Models of Schizophrenia
	737	Hanna Jaaro-Peled	Knockout Mouse Model of DISC1 (exons 1-3)
	738	Bernat Kocsis	Differential Effect of NR2A and NR2B Subunit-specific NMDA Antagonists on Cortical Oscillations
	739	Ming Li	Time Course of the Reversal Effect of Repeated Antipsychotic Treatment on Prepulse Inhibition Disruption Induced by Repeated Phencyclidine Treatment
	740	Hiren R. Modi	Chronic Effects of Clozapine on Arachidonic Acid (AA) Cascade in Rat Brain
	741	Kelly A. Newell	Differential Alterations in Glutamatergic, Dopaminergic, Cannabinoid and Cholinergic Receptors in

			the Brains of Neuregulin1 Mutant Mice
742	Tetsuo Ohnishi		Mice Deficient in a Gene Encoding a Transcriptional Regulator Exhibit Multiple Behavioral Deficits Reminiscent of Schizophrenia
743	Rick Shin		A "Double Hit" Of Post-weaning Social Isolation and NMDAr1 Heterozygous Knockdown Results in a Mouse Model of Schizophrenia
744	Neal R. Swerdlow		Strain Differences in Sensitivity to Apomorphine Suppression of Prepulse Inhibition and Nucleus Accumbens CREB Phosphorylation
745	Murray A. Raskind		Prazosin Blocks Development of Ethanol, Morphine and Cocaine Conditioned Place Preference in Mice
746	Steven A. Nanda		Identification of Novel Neuroplasticity Genes in the Primate Amygdala Associated with Anxiety
747	Atsuo Sekiyama		A Cytokine-Based-Evaluation of Major Depressive Diseases
748	Hua TAN		Lithium Inhibits Amphetamine-induced 4-hydroxynonenal-protein Adductions in Rat Frontal Cortex
749	Peter M. Thompson		SNAP-25 Vesicular Docking Protein mRNA in Bipolar Disorder
750	Edmund A. Reese		Altered Expression of G-protein Receptor Kinases in Alzheimer's Disease
751	Darrick T. Balu		Altered Molecular Composition of the Postsynaptic Density in Genetic Models of NMDA Receptor Hypo- and Hyperfunction
752	Clare L. Beasley		Alterations in Oligodendrocyte and Astrocyte Cell Populations in Prefrontal White Matter in Schizophrenia and Bipolar Disorder
753	Angela Bongaarts		Gene Expression Patterns in the DLPFC of Patients with Schizophrenia and Controls
754	Yian Chen		Altered MHC Class I Expression in Dorsolateral Prefrontal Cortex of Nonsmoker Patients with Schizophrenia
755	Kasey N. Davis		Alternative Transcripts in Fetal and Adult Human Brain for <i>GAD1</i> and <i>GAD2</i>
756	Simon A. Frid		Differential Gene Expression in Schizophrenia and Bipolar Disorder in the Corpus Collosum
757	Chi-Ying Lin		Cellular Susceptibility Associated with Oxidative Stress and Glucoregulatory Disturbance in Schizophrenia
758	Ketan Marballi		Altered Cleavage of Neuregulin 1 in the Prefrontal Cortex of Post Mortem Brain from Subjects with Schizophrenia
759	Tianzhang Ye		CNV Analysis of Brain DNA in Schizophrenia and Other Psychiatric Disorders
760	Irina Krasnova		Methamphetamine Self-administration Alters Gene Expression in the Rat Striatum
761	Ion-George Anghelescu		Early Prediction of Sustained Treatment Response with JNJ-37822681, a Novel Fast Dissociating D ₂ Receptor Antagonist, Compared to Olanzapine in Schizophrenia
762	Srihari Gopal		A Post-Hoc Comparison of Paliperidone Palmitate to Oral Risperidone at Initiation of Risperdal CONSTA in Acutely Symptomatic Schizophrenia
763	Justine M. Kent		Metabolic and Body Mass Parameters Observed with JNJ-37822681, a Novel Fast-Dissociating D ₂ Receptor Antagonist, Versus Olanzapine
764	Carmela Sophia L. Magalona		Tolcapone Enhances Cortical Efficiency During Attentional Control In Healthy Subjects
765	Withdrawn		
766	Aysegül Yildiz		Placebo-Related Response in Clinical Trials of Bipolar Mania: How Does it Effect Trial Results and What can be Done to Minimize it?
767	Mark A. Frye		Will be presented in Friday Poster Session
768	Jia Ni Tian		Opioid Receptor Mu1 Genetic Polymorphisms Influence QT Prolongation and Insomnia in Methadone Maintenance Patients
769	Julie A. Dumas		Estradiol Reversal of Anticholinergic-Related Brain Activation in Postmenopausal Women
770	Arjun Chandrasekaran		Altered Synchronous Gamma Oscillatory Activity in Schizophrenics, Bipolars, and First Degree Relatives under ASSR
771	Christopher N. David		Childhood Onset Schizophrenia: High Rate of Visual Hallucinations
772	Erica J. Duncan		Lack of Relationship between Acoustic Startle and Cognitive Variables in Schizophrenia and Control Subjects
773	Shahab Ghorashi		Oscillatory Correlates of Face Gestalt Processing in Schizophrenia
774	Withdrawn		
775	Karen A. Graham		Relationship of Low Vitamin D Status with Positive, Negative and Cognitive Symptom Domains in Young Adults with Schizophrenia
776	Melissa J. Green		Dysregulated Affect in Schizophrenia and Bipolar Disorder
777	Ruben C. Gur		Generating an Item Pool for Translational Research on Social Cognition: Methodology and Initial Validation
778	Laure Jaugey		Strategic Adaptation in Function of Chronicity of Schizophrenic Symptoms During A Fluency Task

			: An fMRI Study
779	Michael Kiang		Electrophysiological Evidence for Primary Semantic Connectivity Deficits in Schizophrenia
780	Lesh		Will be presented in Friday poster session
781	Gina R. Kuperberg		Seeing The Wood for the Trees: Feedforward Visual Deficits Do Not Fully Explain Semantic Deficits in Schizophrenia
782	Maya Libben		Electrophysiology of Masked Semantic Priming in Schizophrenia: A Preliminary Report
783	Ryan P. Mears		Auditory Cortex Neuroplasticity in Schizophrenia: An ERP Assessment of Stimulus-Specific Plasticity
784	Heline Mirzakhania		Automatic Sensory Discrimination and Emotion Recognition in Prodromal and First-Episode Schizophrenia
785	Aaron Leonard Mishara		Quantifying the Experience of Delusions of Reference in Beginning Schizophrenia
786	Vishnu P. Murty		Amygdala Reactivity in Singaporeans at Ultra High Risk for the Development of Schizophrenia
787	Margaret A. Niznikiewicz		ERP Evidence of Affect Processing Abnormalities in Schizophrenia
788	Regan E. Patrick		Impaired Contextualization of Emotional Faces in Schizophrenia
789	Veronica B. Perez		P300 and MMN Independently Contribute to the Prediction of Psychosis in Prodromal Patients
790	Nadine Petrovsky		Nicotine Differentially Modulates Antisaccade Performance in Healthy Male Non-Smokers Stratified for Low and High Accuracy
791	Allen D. Radant		Influence of Duration of Schizophrenia on Antisaccade Performance
792	Erin M. Ramage		Reduced Auditory Lateral Suppression in Schizophrenia
793			Presented in Thursday poster session
794	Manuela Russo		A Multidimensional Hierarchical Model of Psychosis and Its Relationship to Neuropsychological Functioning
795	Samir Sabbag		Accuracy of Clinician, Patient and Family/Friend Reports of Functioning in Patients with Schizophrenia
796	Fiza Singh		Association between Negative Symptoms and Impaired Superior Temporal Sulcus Activity within the Mirror Neuron System (MNS) as Measured by Suppression of EEG mu Rhythm in Individuals Exhibiting First-episode Psycho
797	Justine M. Y. Spencer		Biological Motion Perception among Persons with Schizophrenia
798	Joel Stoddard		Impairment in Reactive Cognitive Control in Youth with Chromosome 22q11.2 Deletion Syndrome
799	Karuna Subramaniam		Cortical Plasticity in Schizophrenia Patients after Computerized Cognitive Training: Behavioral and fMRI Assessments of Working Memory Performance
800	Tetsuya Takahashi		Effect of Amphetamine on Neural Complexity in Schizophrenia
801	Grantley Taylor		Early Auditory Gamma Band Response in Healthy Controls and Individuals with Schizophrenia at First Hospitalization and 18 Month Follow Up
802	Jared X. Van Snellenberg		Amygdala Recruitment in Schizophrenia in Response to Aversive Emotional Material: A Meta-Analysis of Neuroimaging Studies
803	Leanne Williams		Neural Circuitry and Social Cognition in First Onset Schizophrenia
804	Carla Harenski		Neural Correlates of Response Inhibition and Pain Observation in Pedophilia and Sexual Sadism
805	Ashley Acheson		Functional Activation & Connectivity Differences in Adolescent Marijuana Users Experiencing Rewards and Losses
806	Lena Rademacher		Reward Processing in Smokers before and after Cessation
807	Martina Reske		Detection of Inhibitory Deficits in Occasional Users of Amphetamine and Cocaine using fMRI
808	Tracy Warbrick		Direction and Magnitude of Nicotine Effects on the fMRI Bold Response are Related to Nicotine Effects on Behavioural Performance
809	Tracy Warbrick		Single-trial P3 Amplitude and Latency Informed Event-related fMRI Models Aid the Detection of Nicotine Effects in Bold Response Patterns to a Target Detection Task
810	Vina M. Goghari		Twenty-year Multi-Follow-up of Hallucinations in Psychotic and Mood Disorders
811	Vina M. Goghari		Differential Deficits in Facial Emotion Recognition in Schizophrenia and Bipolar Disorder
812	Emma E. M. Knowles		The Puzzle of Processing Speed, Memory and Executive Functioning Impairments in Schizophrenia: Fitting the Pieces Together
813	Mickael Le Galudec		General Practitioners and Early Psychoses: Results of a French Survey
814	Alessandra Paparelli		Cannabis Use and Early Adolescent (12-15 Years) Premorbid Functioning in First-Episode Psychosis Patients
815	Jai Shah		Multivariate Prediction of Emerging Psychosis in Adolescents at High Risk for Schizophrenia
816	Julia M. Sheffield		Auditory Hallucinations in Psychotic Disorder Patients with Childhood Sexual Abuse
817	Alexandre Y.		Basal Ganglia Integrity, Attempted Suicide, and Discounting of Future Rewards in Late-life

		Dombrovski	Depression
818	Mark S. Gold		Second- and Third-Hand Opium Exposure in the Women and Children of Afghanistan
819	Michael J. Serby		Psychotic Illness and Managed Care Denials
820	Pamela DeRosse		The Genetics of Symptom-Based Phenotypes: Traversing the Boundaries of the DSM-IV
821	Monica E. Calkins		Identification of Children and Adolescents At-Risk for Psychosis: Results of a Screen for Sub-Psychotic Symptoms in a Community Sample
822	Dwight Dickinson		Genome-Wide Association Analysis Reveals that SCN2A, which Encodes the Alpha Subunit in Type II Voltage-gated Sodium Channels, is Associated with General Cognitive Ability in Schizophrenia
823	Ayman Fanous		Whole Genome Sequencing of a Schizophrenic Patient from a Geographically Isolated Portuguese Population
824	Tiffany A. Greenwood		Large-Scale Candidate Gene Analysis of Nine Neurophysiological and Neurocognitive Measures Associated with Schizophrenia from the Consortium on the Genetics of Schizophrenia (COGS)
825	Todd Lencz		Using GWAS Data to Identify Rare Variants in Schizophrenia
826	Hader Mansour		Mapping Recessive Risk Variants for Schizophrenia in an Inbred Population
827	Meeta Mistry		Analysis of Gene Expression Profiles in Schizophrenia Using a Large Combined Cohort
828	Ruth Navon		A Comprehensive Survey of RNA Editing In Psychiatric Disorders Reveals Multiple Novel Editing Sites in Coding Regions
829	Panos Roussos		The Influence of Schizophrenia-Related DISC1 Polymorphisms on Sensorimotor Gating, Cognition and Personality in Healthy Males
830	Panos Roussos		The Node of Ranvier in Schizophrenia Postmortem Brain Tissue
831	Giovanna Todarello		NRXN1 Deletions in Schizophrenia Patients and Their Family Members But Not in Normal Controls
832	Joey W. Trampush		A Genome-Wide Association Analysis of Personality Dimensions in Individuals with and without Schizophrenia
833	James Wilcox		Variation of Netrin Isoforms in Schizophrenia
834	Anna Wiste		Genome-Wide Association Study of Smoking Behavior Among Schizophrenics: Preliminary Results
835	Joanna M. Biernacka		Replication of Genome Wide Association Studies of Alcohol Dependence: Support for Association with Variation in ADH1C
836	Amanda Galvão-de Almeida		Interferon-alpha-related Major Depression is not Associated with Indoleamine 2,3-dioxygenase Functional Polymorphisms in Hepatitis C Patients
837	Ming-Chyi Huang		The Effect of <i>CRHR1</i> Gene Polymorphisms, Adverse Childhood Experience, and Their Interaction on Methamphetamine Abuse
838	Dieter J. Meyerhoff		Association of BDNF Genotype with Regional Brain Metabolite Concentrations in Abstinent Alcohol Dependent Individuals
839	Dieter J. Meyerhoff		Cortical Morphometric Measures of the Brain Reward System are Related to Relapse Propensity in Alcohol Dependence
840	Dieter J. Meyerhoff		Short-term Brain Volume Recovery in Abstinent Alcohol-Dependent Individuals is Associated with BDNF Genotype
841	Yeong Woo Nam		The Association among the Genetic Polymorphism of Dopamine D4 Receptor, Temperament and Alcohol Drinking Behavior in Korean Young Adults
842	Bao-Zhu Yang		Genomewide Linkage Scans for Loci Predisposing to Major Depressive Episode and Substance Dependence: Sex Difference
843	Huiping Zhang		High Throughput DNA Methylation Profiling of Genes Implicated in Alcohol Dependence
844	Amelia Versace		White Matter Integrity in Bipolar Youth Relative to High and Low Risk Healthy Youth
845	Gerd Wagner		Altered Brain Structures in Patients with Major Depressive Disorder and High Risk for Suicide: A Structural MRI Study
846	Sara J. Walker		Learning and Memory Differences among Women with and without Major Depressive Disorder (MDD)
847	Roland Zahn		The Neural Basis of Self-Blaming Bias in Major Depressive Disorder
848	Suzanne Avery		Altered White Matter Integrity of Prefrontal-amygdala Pathways in Williams Syndrome
849	Courtney C. Haswell		Clinical Predictors of White Matter Disruption in Chronic Mild Traumatic Brain Injury among Post-9/11 Veterans
850	William R. Rekshan		Neural Activation Underlying Variability in the Subjective Experience of Applied Pressure Pain
851	Kim E. Goldstein		Cingulum Integrity in Schizotypal Personality Disorder and Borderline Personality Disorder
852	Erin A. Hazlett		Exaggerated Amygdala and Startle Response Predicts Positive Dialectical Behavior Therapy Outcome in Borderline Patients

853	Brian J. Mickey	Cortical Emotion Processing and Depression in Women with Borderline Personality Disorder
854	Eric Artiges	Striatal and Extrastriatal Dopamine Transporter in Schizophrenia: A High Resolution PET Study
855	Philipp Sebastian Baumann	High b-value Diffusion-weighted Imaging: A Sensitive Method to Reveal White Matter Changes in Schizophrenia
856	Jürgen Brinkmeyer	Emotional Face Processing in Schizophrenia: A Single-trial N170 and P240 Amplitude Informed Event-Related fMRI Analysis
857	Jürgen Brinkmeyer	P50 Sensory Gating and Smoking in the General Population
858	Madeline C. Burdick	Genetic Interaction between COMT and Dysbindin Effects Prefrontal Cortex Function During a BOLD fMRI Working Memory Paradigm
859	Katherine DeJong	The Effects of Neuroleptics on GABA Levels in Patients with Schizophrenia Spectrum Psychosis
860	Emer L. Feighery	A Novel Intermediate Phenotype for Prefrontal Cortical Efficiency in Schizophrenia Independent of Working Memory
861	Kristen A. Ford	Multi-Modal Analysis of Resting fMRI, Grey Matter and White Matter in Schizophrenia
862	Catherine T. Gambale	A Diffusion Tensor Imaging (DTI) Study of a Risk Variant for Psychosis in ZNF804a
863	Philip Gerretsen	Anosognosia or Lack of Insight in Schizophrenia: VBM and Hemispheric Asymmetry Analyses
864	Ariel Graff-Guerrero	Transient Dopamine D2 Receptors Occupancy of Ziprasidone: A Clinical 24-Hour PET Study
865		Will be presented in Friday poster session
866	Sunil V. Kalmady	Clinical Correlates of Hippocampal Shape Abnormalities in Antipsychotic Naïve Schizophrenia
867	Kathrin Koch	Reduced Activation is Related to Altered Myelination in Schizophrenia
868	Marinos Kyriakopoulos	Effects of Antipsychotic Medication on White Matter in Bipolar Disorder and Schizophrenia: A Review of Diffusion Tensor Imaging Findings
869	Marc S. Lener	Brain Structural Evidence of Epistasis between RGS4 and COMT Variations in Schizophrenia
870	James Levitt	Regionally Selective Differential Effects of Atypical Neuroleptic Medication on Dorsal but not Ventral Striatum in Schizophrenia
871	Pilar Lopez-Garcia	Prefrontal Genes in Schizophrenia: Impact on Brain Function and Structure
872	Dolores Malaspina	Specific Neurochemical Abnormalities for the Rostral Anterior Cingulate in Schizophrenia
873	Ryan M. Miller	Negative Symptom Severity and Schizophrenia: Abnormal Entrainment of Dorsal Striatum in Default Mode Network
874	Arian Mobascher	Nicotine Effects on the Attention Network in Schizophrenic Smokers as Revealed by EEG P300 Amplitude-Informed fMRI
875	Francesco Musso	Differences in Emotional Face Processing of Schizophrenic Patients Compared to Healthy Subjects as Revealed Through Dynamic EEG-Informed fMRI Modeling
876	Francesco Musso	Impact of Ketamine on Brain Resting State Networks of Healthy Subjects - EEG Microstates Driven fMRI Analysis in a Simultaneous fMRI/EEG Pharmacoinaging Setting
877	Meina Quan	Abnormalities of White Matter Tracts between Rostral Middle Frontal Gyrus / Inferior Frontal Gyrus and Striatum in First-Episode Schizophrenia
878	Jason S. Schneiderman	The Cingulum Bundle and Delusions of Reference in Schizophrenia: A Diffusion Tensor Imaging Study
879	Larry J. Seidman	Was Kraepelin Right? A 30 Year Follow-Up of Neurocognitive Deterioration in Schizophrenia vs Bipolar Psychosis
880	Larry J. Seidman	Distinct Pattern of Brain Functioning Underlies Working Memory in ADHD and Individuals at Familial Risk for Schizophrenia
881	Pawel Skudlarski	White Matter Deterioration in Persons with Schizophrenia and Bipolar Disorder and Their Relatives, Results from BSNIP Study
882	Reva Stidd	Fusiform Gyrus Volume Differences between Childhood-Onset Schizophrenia Patients and their Nonpsychotic Siblings
883	Neeraj Tandon	Proton Spectroscopy Studies in Young Relatives at Genetic High Risk for Schizophrenia
884	Neeraj Tandon	Early Prodromal Symptoms Can Predict Psychosis in Young Familial High Risk Relatives
885	Kristina Thurin	Effect of ZNF804A Gene, A Genome-wide Supported Psychosis Risk Variant, on Neural Activation During Cognitive Control
886	Nora S. Vyas	Altered Oscillatory Patterns During Resting-state in Childhood-onset Schizophrenia: A Magnetoencephalographic Study
887	Georg Winterer	Ketamine Effects on Brain Function - Simultaneous fMRI/EEG during a Visual Oddball Task
888	Neil D. Woodward	A Functional Network Approach to Understanding Structural Brain Changes in Schizophrenia
889	Todd S. Woodward	Decreased Efficiency of Task-Positive and Task-Negative Networks during Working Memory in Schizophrenia
890	Jong H. Yoon	The Functional Circuitry of Psychosis in Schizophrenia: Task Evoked Substantia Nigra/VTA Hyperactivity, Prefrontal Hypoactivity and Prefrontal-Basal Ganglia Disconnectivity

891	Benjamin C. Mullin	Elevated Ventral Striatal Reactivity to Reward Following Sleep Deprivation
892	Beth M. Anderson	Effects of Memantine and Alcoholism Family History Status on a Monetary Incentive Delay Task; Reward Prospect, Anticipation and Receipt: an fMRI Study
893	Chen Chun-Hsin	Relationship Between Liver Function Impairment and Brain Shrinkage in Patients With Alcohol Dependence
894	David Erritzoe	In Vivo Imaging of Dopamine D3 Receptors in Alcoholism Using Positron Emission Tomography, [¹¹ C]PHNO, and a Selective D3 Receptor Antagonist
895	Erika E. Forbes	Neural Response to Reward in Young Men with Cannabis Use Disorders
896	Erika Forbes	Alcohol Dependence: Altered Neural Response to Monetary Reward?
897	Susanna L. Fryer	Cue Reactivity across Stages of Alcohol Dependence: FMRI Reveals Evidence of Altered Attentional Functioning
898	Jürgen Gallinat	Genetics of Morphological and Functional Brain Abnormalities in Smokers
899	Mary Heitzeg	Nucleus Accumbens Activation Mediates the Relationship between <i>GABRA2</i> Genotype and Drinking and Drug Use in Youth at Risk for Substance Abuse
900	Rene Hurlmann	Overnight Deprivation from Smoking Disrupts Amygdala Responses to Fear
901	Hedy Kober	The Neural Bases of Drug Craving: A Meta Analytic Review
902	Jennifer L. Stewart	Young Adults at Risk for Stimulant Dependence Exhibit Dysfunction in Brain Regions Involved in Reward Processing and Interoception during Decisions Involving Learned Contingencies
903	Gregory Tau	Neural Correlates of Reward Processing in Methamphetamine Use
904	Amelia Kotte	Evaluation of Prior Assault History and Index Assault Characteristics as Predictors of Cortisol Level Following Recent Sexual Assault
905	Antonio C. Lopes	Updated Results of a Randomized Controlled Trial of Gamma Ventral Capsulotomy for Obsessive-Compulsive Disorder
906	Antonio C. Lopes	Visuospatial Memory Improvement after Gamma Ventral Capsulotomy for Obsessive-Compulsive Disorder
907	Bernardo Dell'Osso	Efficacy and Tolerability of Different Stimulation Parameters of Augmentative Repetitive Transcranial Magnetic Stimulation (rTMS) in the Acute Treatment of Drug-Resistant Depression
908	Mark Andrew Demitrack	A Naturalistic, Pragmatic Clinical Trial of the Use of TMS in the Treatment of Major Depression
909	Robert K. McNamara	Adolescents with Major Depressive Disorder Exhibit Reversible Erythrocyte Docosahexaenoic Acid Deficits: Associations with Depression Symptom Severity and Cortical ¹ H MRI Metabolite Concentrations
910	Thomas E. Schlaepfer	Putative Pro-cognitive Effects of Deep Brain Stimulation for Treatment Resistant Major Depression
911	Cheng-Ta Li	rTMS Efficacy in Relieving Medically Unexplained Pain in Depressive Patient is Independent of its Antidepressant Effect
912	Paul Zarkowski	Laser Evoked Potentials in Patients with Chronic Widespread Pain Receiving Treatment with rTMS
913	Jed E. Rose	Repetitive Transcranial Magnetic Stimulation (rTMS) of the Superior Frontal Gyrus Modulates Craving for Cigarettes
914	Robert M. Bilder	Evidence Based Science: Is Working Memory Really Impaired in Schizophrenia?
915	Liron Rabany	Assessment of Depression in Negative Symptoms of Schizophrenia: Revising the Structure of the Calgary Depression Scale for Schizophrenia (CDSS)
916	Grega Repovs	Simulated Comparisons of Slow and Rapid Event-Related Task-Based Functional Connectivity: Implications for Neuropsychiatric Illness
917	Lewis R. Baxter	Effects of Oxyten in an Invertebrate Model of Amphetamine Neurotoxicity
918	Matthew S. Shane	Proof of Concept of a Real-time fMRI Pipeline within an Incarcerated Cocaine Abusing Population
919	Withdrawn	
920	Deepak Cyril D'souza	Acute Dose-Related Psychotomimetic, Cognitive and Psychophysiological Effects of Delta-9-THC in Humans
921	Sunny J. Dutra	Varenicline as a Smoking Cessation Aid in Schizophrenia Patients: Effects on Smoking Behavior and Reward Sensitivity
922	Laurent Holzer	Adjunctive Intranasal Oxytocin in an Adolescent Girl With Psychosis : A Case Study
923	Carsten Korth	Biomarker for Schizophrenia: DISC1 Immunoreactivity in Lymphocytes and Relation to Cholinergic Pathways

924	Yu-Li Liu	CACNG2 is Associated With Delusion-hallucination Symptom Dimension of Schizophrenia, but not With Clozapine Treatment Outcome
925	Michael Minzenberg	Modafinil Effects on Locus Coeruleus and Ventral Tegmental Area During Cognitive Control Performance in Schizophrenia
926	Mariana Pedrini	Serum Brain Derived Neurotrophic Factor and Clozapine Daily Dose in Patients with Schizophrenia: A Positive Correlation
927	RP Rajarethinam	Is Late Onset Attention Deficit a Feature of Schizophrenia Prodrome?
928	Martin Strassnig	Metabolic Antecedens of Insulin Resistance in Early Schizophrenia
929	Cenk Tek	Naltrexone for Antipsychotic-induced Weight Gain in Women with Schizophrenia
930	Regina Elisabeth Brandl	Enzyme Assay to Study the Metabolism of Quetiapine and the Influence of Psychotropic Comedication on the Concentration of Quetiapine
931	Wei-li Chang	Disparate Time-course Effects of Pramipexole on Locomotor Activity and Sensorimotor Gating in Rats
932	Masakuni Horiguchi	5-HT _{1A} Receptor Agonism Reverses Phencyclidine (PCP)-Induced Novel Object Recognition (NOR) Deficit in Rats
933	David E. Johnson	Dopamine D1 Agonists Modulate the Release of Multiple Neurotransmitters Associated with Cognition
934	Robert K. McNamara	Chronic Risperidone Normalizes Constitutive Elevations in Pro-Inflammatory Cytokine and C-Reactive Protein Production in Omega-3 Fatty Acid Deficient Rats
935	Cort A. Pedersen	Oxytocin Reverses Social Approach Deficits and Impaired Prepulse Inhibition in Mouse Models of Neuropsychiatric Disorders
936	Withdrawn	
937	Christine Strick	Preclinical Characterization of a Novel Kynurenine Aminotransferase II Inhibitor
938	Josh D. Woolley	Oxytocin Effects on Olfaction in Patients with Schizophrenia
939	Joshua Blume	Interaction Effects between Sex and Depression on Chemokine and Cytokine Production
940	Dharmendra B. Goswami	Altered Expression of Novel Genes in Prefrontal Cortex of Subjects with Major Depression: Sex Comparisons
941	Dorothy Sit	Seasonal Variation in Depression Risk and Suicidal Symptoms in Postpartum Women
942	Eric Hahn	Smoking and Sex-Specific Language Lateralization in Schizophrenia
943	Eric Hahn	Test-Retest Reliability of Attention Network Test Measures in Schizophrenia
944	Brian Weisinger	The Lack of Differential Sex Effects on Cortical and Subcortical Structures in Childhood-Onset Schizophrenia
945	Fredrik Ahs	Medial Temporal Lobe Resections Attenuate Activity in the Motor Area but not Fusiform Face Area During Processing of Emotional Faces
946	Uma Vaidyanathan	Neurophysiological Referents for Psychopathology Domains: Startle Blink Reflex and Error-Related Negativity
947	Divine Hannah	Comparative Anatomical Distribution of Kappa Opioid Receptors in Human, Non-Human Primate, Guinea Pig, and Rodent Brains
948	Devran Tan	Increase of Beta Response upon Application of Lithium in Euthymic Bipolar Patients
949	Dorit Ben-Shachar	Hair Follicle-derived Induced Pluripotent Stem Cells (iPSC) and Differentiated Dopaminergic Neurons to Model Schizophrenia
950	Hugo Geerts	Breaking the Drug Deadlock : A Multi-target Strategy for New and Improved Treatment in Schizophrenia Using Innovative Computer-based Mechanistic Disease Modeling
951	Yelena Guller	Disrupted TMS-Evoked Response in the Thalamus of Patients with Schizophrenia as Measured with fMRI
952	Rishi Kakar	Integrating Neuroscience in the Training of Psychiatrists: An NIMH Initiative
953	Alan S. Brown	Low Birthweight and Neuropsychological Deficits in Schizophrenia

5:00 – 6:30 pm	Late-Breaking Poster Session	Pacific A-K
	See On-Line Program Planner for abstracts accepted in this late-breaking poster session. Not in abstract book.	
1020	Meir Steiner	Decreased Tryptophan Hydroxylase-1 mRNA Expression in Premenstrual Disorders
1021	Withdrawn	
1022	Horner	Moved to Thursday poster session
1023	Mireia Sulzbach-Vianna	Association Between BDNF and Oestrogen Levels in Female Individuals with Bipolar Disorder
1024	Nancy M. Bivens	(-)-trans-pat, A Novel 5HT _{2A} Receptor Agonist/ 5HT _{2A} Receptor Antagonist, Exhibits Antipsychotic Properties Which Are Dependent On The 5HT _{2A} Receptor
1025	Natalie L. Rasgon	Differential Effects Of Estrogen Preparation On Changes In Brain Metabolism In Women At Risk For Ad

1026	Noriyuki Kawamura	Plasma Biomarkers to Diagnose Major Depressive Disorder
1027	Pamela Ng	Carrot or Stick? Impact of Serotonin Transporter (5-HTTLPR) polymorphism and Reward and Punishment Signaling in the Brain
1028	Pamela Ng	Neural Correlates of Frustration: Beyond Not Getting What You Want
1029	Rajamannar Ramasubbu	Differential Neural Predictors of Early Treatment Response to Antidepressants in Major Depressive Disorder: Preliminary results
1030	Robert A. Chambers	Prefrontal Cortical and Striatal Gene Expression Changes in the NVHL Neurodevelopmental Model of Schizophrenia with and without a Co-occurring History of Cocaine Sensitization
1031	Salih Selek	A Longitudinal Study Of Fronto-limbic Brain Structures In Bipolar Type I Patients During Lithium Treatment
1032	Withdrawn	
1033	Sang Kil Lee	The Differential Effects Of In Vitro Lithium Treatment on Circadian Rhythm Generation in Primary Fibroblasts from Bipolar Disorder Patients and Healthy Controls
1034	Sarah M. Farrell	Significant Interactions between COMT Inhibition and COMT Val158Met Genotype on Working Memory and Gambling Behaviour
1035	Sarah N. Garfinkel	Avoidant Symptoms Predict Heighted Amygdala Activation Following Fear Reinstatement in PTSD Patients
1036	Withdrawn	
1037	Siobhan S. Pattwell	Selective Early-acquired Fear Memories Undergo Temporary Suppression During Adolescence
1038	Smita Agarkar	ECT in Unipolar And Bipolar Depressed Patients: Rate Of Response
1039	Thomas Roth	The Nature and Prevalence of Middle-of-the-Night Hypnotic Use
1040	Tonya L. Jacobs	Mindfulness Reduces Cortisol Reactivity to Separation-Related Sadness and Attenuates Day-to-Day Variability of the Cortisol Awakening Response
1041	Tyler A. Lesh	Proactive and Reactive Cognitive Control and Dorsolateral Prefrontal Cortex Dysfunction in First Episode Schizophrenia
1042	Zola N. Mannie	Increased Anterior Cingulate Activation In Young People At Increased Risk Of Depression Performing A Novelty Detection Memory Encoding Task
1043	Zoran Zimolo	Candidate Plasma Protein Markers of Stress
1044	Michael C. Chen	Neural Primacy of Resting-state Networks in Comorbid Psychopathology
1045	Paul E. Croarkin	Cortical Excitability and Inhibition in Children and Adolescents with Major Depressive Disorder
1046	Withdrawn	
1047	Richard C. Josiassen	Motor Deficits and Hyponatremia: Psychiatric Implications
1048	Withdrawn	
1049	Withdrawn	
1050	Vaibhav A. Diwadkar	Affective Interference By The Amygdala During Episodic Memory In Borderline Personality Disorder: Network Function Assessed With fMRI