

Poster Session I – Monday



Advocacy Affiliate - International Mental Health Resource Organization
“IMHRO Rising Star Awards”

Cindy Dyar, Brandon Staglin

1. Membership Advisory Task Force: Feedback, Challenges, and Solutions in 2012

Katherine E. Burdick, Linda Carpenter, Marlene Freeman, Vaishali Bakshi, Paul Holtzheimer, Lisa Monteggia, Thomas Schulze, Carlos Bolanos-Guzman, Kristin Cadenhead, Raymond Cho, Cynthia Crawford, Paul Kenny, Gregory Light, Gonzalo Laje

2. Blockade of Kappa Opioid Receptors Reduces Footshock Effects on Startle

Ashlee Van't Veer, Anita Bechtholt-Gompf, Sara Onvani, David Potter, Yujun Wang, Elena Chartoff, Uwe Rudolph, Lee-Yuan Liu-Chen, F. Ivy Carroll, Bruce Cohen, William Carlezon

3. Impaired Mesolimbic Regulation of Prefrontal Glutamate and Acetylcholine Release Accompanies Cognitive Inflexibility in Two Animal Models of Schizophrenia

Michelle Pershing, Dave Bortz, Ana Pocivavsek, Martin Sarter, Robert Schwarcz, John P. Bruno

4. Transition to Dorsolateral Striatal Dopamine Control of Cocaine Seeking Behavior is Predicted by Trait Impulsivity

Jennifer E. Murray, Ruth Dilleen, Yann Pelloux, Daina Economidou, Emily R. Jordan, Jeffrey W. Dalley, David Belin, Barry J. Everitt

5. Basolateral and Central Nuclei of the Amygdala Required for the Transition to Dorsolateral Dopamine Control over Habitual Cocaine Seeking

Jennifer E. Murray, David Belin, Barry J. Everitt

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6. GAD67 Downregulation in Specific Interneuronal Subpopulations Leads to Distinct Behavioral Phenotypes
Martin Schmidt, Krassimira Garbett, Szatmar Horvath, Karoly Mirnics
7. Brief Repeated Cortico-striatal Hyperstimulation Generates Chronic OCD-relevant Behavior
Susanne E. Ahmari
8. Deficiency of Schnurri-2, an MHC Enhancer Binding Protein, Induces Mild Chronic Inflammation in the Brain and Confers Molecular, Neuronal, and Behavioral Phenotypes Related to Schizophrenia
Tsuyoshi Miyakawa, Keizo Takao, Katsunori Kobayashi, Hideo Hagihara, Koji Ohira, Hirotaka Shoji, Satoko Hattori, Hisatsugu Koshimizu, Juzoh Umemori, Shun Yamaguchi, Tsuyoshi Takagi, Noah Walton, Hidenori Suzuki, Mitsuyuki Matsumoto, Shunsuke Ishii
9. Serine Racemase Knockout Mice, a Genetic Model of NMDA Receptor Hypofunction, Exhibit Impaired Hippocampal Neuroplasticity that can be Rescued by D-serine Treatment
Darrick T. Balu, Yan Li, Matthew D. Puhl, Vadim Bolshakov, Joseph Coyle
10. Inflammatory Th17 Cells Promote Depression-like Behavior in Mice
Eleonore Beurel, Laurie Harrington, Richard S. Jope
11. Effects of Baclofen and Naltrexone, Alone and in Combination, on Binge Eating in Rats
Nicole M. Avena, Mark S. Gold
12. Cariprazine Exhibits Dopamine D3 Receptor-Dependent Antidepressant-like Activity in the Chronic Unpredictable Stress Model of Anhedonia
Ronald S. Duman, Vanja Duric, Mounira Banasr, Nika Adham, Béla Kiss, István Gyertyan

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13. The Peripheral Immune System Functionally Contributes to Susceptibility to Repeated Social Defeat Stress

Georgia E. Hodes, Sam A. Golden, Daniel J. Christoffel, Madeline Pfau, Mitra Heshmati, Marylene Leboeuf, Miriam Merad, Scott Russo

14. Distinct CRF Protein Expression Patterns in Two Different CRF Overexpressing Mouse Models

Debra Bangasser, Zach Plona, Jodi Gresack, Mate Toth, Isabelle Mansuy, Emilio Merlo-Pich, Victoria Risbrough, Rita Valentino

15. Risk-taking in Adolescence: Relationships with Cocaine Self-administration and Involvement of Dopamine Signaling

Barry Setlow, Marci Mitchell, Virginia Weiss, Sofia Beas, Drake Morgan, Jennifer Bizon

16. The Hyperactive (HYPER) Rat: A Potential Animal Model of Bipolar Disorder

Jay M. Weiss, Katherine A. Boss-Williams

17. Opposite Effects of Tolcapone on Amphetamine-disrupted Startle Gating in Low vs. High COMT-expressing Rat Strains

Michelle R. Breier, Samantha R. Hines, Sebastian D. Herrera, Martin Weber, Neal R. Swerdlow

18. Astrocyte-specific Ablation in the Mouse Prefrontal Cortex Induces Depressive-like and Anxiety-like Deficits

Mounira Banasr, Meiyu Xu, Gerard Sanacora, Christopher Pittenger, Ronald S. Duman

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19. Optogenetic Control of Serotonergic Neurons and Anxiety-like Behavior

Yu Ohmura, Kenji Tanaka, Akihiro Yamanaka, Mitsuhiro Yoshioka

20. Depressive-like Phenotype in Transgenic Mice with CNS Overexpression of IL-6

Stacey J. Sukoff Rizzo, Zoe A. Hughes, Sarah Neal, J. Michael Roos, Sharon Rosenzweig-Lipson, Stephen J. Moss, Nicholas Brandon

21. Progress of the Lilly/Pfizer Partnership to Tackle Preclinical Model Development in Psychiatry: Does Chronic ACTH Treatment Render Mice Resistant to Antidepressants?

Zoe A. Hughes, Jeffrey M. Witkin, Taleen Hanania, Afshin Ghavami, Nicholas Brandon, David Bleakman, Kurt Rasmussen

22. Witnessing Social Defeat Induces an Anxiety and Depression-like State and Increases Nicotine Consumption

Brandon Warren, Lyonna Alcantara, Vincent Vialou, Eric J. Nestler, Carlos A. Bolanos-Guzman

23. Bacille Calmette Guérin Induces a Depressive Phenotype in ‘Susceptible’ Animals that is Sensitive to Antidepressants and Accompanied by Hypersensitivity to Pain Stimuli: A Preclinical Model of Comorbid Pain and Depression?

Brian Platt, Janet Schulenberg, Nicole Klee, Maryam Nizami, Bradley Nash, Urey Chow, James Barrett, Janet Clark

24. First Hospitalization Manic Youth Show Functional Alterations during a Task of Sustained Attention

Marguerite R. Schneider, Wade Weber, Jeffrey Welge, Caleb Adler, Strakowski Stephen, Melissa DelBello

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25. Subjective Cognitive Impairment, the Pre-mild Cognitive Impairment Stage of Eventual Alzheimer's Disease: Prospective Behavioral Markers of 2 Year Decline

Barry Reisberg, Carol Torossian, Ricardo Osorio, Santosh Ghimire, Kamalika Roy, Pravesh Sharma, Isabel Monteiro, Melanie B. Shulman, Iryna Lobach

26. Increased Risk for Suicide among Schizophrenia Patients with High Premorbid IQ

Mark Weiser, Ori Kapara, Nomi Werbeloff, Eyal Fruchter, Rinat Yoffe, Michael Davidson

27. Glutamate in the Associative Striatum Decreases after 4 Weeks of Antipsychotic Treatment in First-episode Psychosis: A Longitudinal 1H-MRS Study

Camilo de la Fuente, Pablo León-Ortiz, Mariana Azcárraga, Sylvana Stephano, Rafael Favila, Leonardo Díaz-Galvis, Patricia Alvarado-Alanis, Jesús Ramírez-Bermúdez, Ariel Graff-Guerrero

28. The Promigratory Chemokine CXCL12 is Negatively Related to Neuroinflammation in the Prefrontal Cortex of People with Schizophrenia

Samantha J. Fung, Stu Fillman, Cyndi Shannon Weickert

29. AAV Suppression of Dopamine D1 Receptors in the Striatum Impairs Probabilistic Learning via Affecting Reward-associations

Jared W. Young, Kerin Higa, Baohu Ji, David E. Nichols, Mark A. Geyer, Xianjin Zhou

30. Effects of Oxytocin on Social Cognition and Olfaction in Adults with Schizophrenia and Healthy Subjects

Josh Woolley, Brandon Chuang, Olivia Lam, Kate Rankin, Daniel H. Mathalon, Sophia Vinogradov

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31. Neuroanatomical Correlates of Apathy in Late Life Depression and Antidepressant Treatment Response
Genevieve S. Yuen, Faith Gunning-Dixon, Eric Woods, Matthew Hoptman, George S. Alexopoulos
32. Central Oxytocin in Social and Cued Fear Conditioning in Mice: Specific Role of the Dorsolateral Septum
Iulia Toth, David A. Slattery, Inga D. Neumann
33. Brain-derived Neurotrophic Factor, Interleukin-6, and Salivary Cortisol Levels in Patients with Major Depressive Disorder Treated With Desvenlafaxine vs Placebo
Philip Ninan, Richard C. Shelton, Weihang Bao, Christine Guico-Pabia
34. Baseline Working Memory Abnormalities in Current Major Depression as Detected by Magnetoencephalography
Mark J. Niciu, Allison C. Nugent, Craig Marquardt, Tom Holroyd, Giacomo Salvatore, Maura L. Furey, Carlos A. Zarate
35. Detecting Activity-evoked pH Changes in Human Brain
John A. Wemmie, Vincent A. Magnotta
36. Structure-functional Selectivity Relationship Studies of Beta-arrestin-biased Dopamine D2 Receptor Agonists
Jian Jin, Xin Chen, Maria F. Sassano, Vincent Setola, Meng Chen, William C. Wetsel, Bryan L. Roth

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37. Safety and Efficacy of Olanzapine/Fluoxetine Combination Versus Placebo in Patients Aged 10 to 17 in the Acute Treatment of Major Depressive Episodes Associated with Bipolar I Disorder

Melissa DelBello, Holland C. Detke, John Landry, Roland Usher, Rebecca Schroer, Mufassil Dingankar

38. Basolateral Amygdala Stimulation Produces Heterosynaptic Suppression of Inputs from Other Temporal Cortical Structures in the Prefrontal Cortex

Hugo Tejeda, Patricio O'Donnell

39. A 0.23 Mb Region on Mouse Chromosome 11 Contains Three Possible Quantitative Trait Genes Influencing Methamphetamine Sensitivity

Camron D. Bryant, Clarissa C. Parker, Michael A. Guido, Loren A. Kole, Jackie E. Lim, Greta Sokoloff, Riyan Cheng, Abraham A. Palmer

40. Kinase Inhibition within the Bed Nucleus of the Stria Terminalis Potentiates Binge Alcohol Intake by C57BL/6J Mice

Melissa G. Wroten, Justin A. Courson, Amy R. Williams, Karen K. Szumlinski

41. Switching To Lurasidone in Patients with Schizophrenia: Tolerability And Effectiveness at 6 Weeks And 6 Months

Joseph P. McEvoy, Leslie Citrome, David Hernandez, Jay Hsu, Peter Warner, Andrei Pikalov, Josephine Cucchiaro, Christoph U. Correll, Antony Loebel

42. Neural Responses during Explicit and Implicit Face Processing Vary Developmentally in Bipolar Disorder

Christen M. Deveney, Melissa Brotman, Laura Thomas, Kendra Hinton, Eli Muhrer, Richard Reynolds, Nancy Adleman, Daniel S. Pine, Ellen Leibenluft

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43. Roles of Schizophrenia Susceptibility Gene KCNH2 3.1 Isoform in Regulation of Neuronal Excitability, Long-term Potentiation, Synaptogenesis and Cognition

Jingshan Chen, Peixiong Yuan, Qingjun Tian, Feng Yang, Grace Zhang, Jiemin Jia, Yun Wang, Jing Du, Paul Glineburg, Gregory V. Carr, Francesco Papaleo, James Pickel, Zheng Li, Daniel Weinberger

44. Neuronal Systems Underlying the Antidepressant Response to Ketamine

Daniel J. Lodge, Flavia Carreno, Amiksha Shah, Julianne Jett, Pedro L. Delgado, David A. Morilak, Alan Frazer

45. A Novel Serotonin-2 (5-HT₂) Modulator as a Candidate Drug to Treat Impulsive Behavioral Disorders and Psychoses without Weight Gain as a Side Effect

Drake Morgan, Clinton E. Canal, Krishnakanth Kondabolu, Rajeev Sakhuja, Kimberly Robertson, Neil E. Rowland, Raymond G. Booth

46. Relationship of Plasma Oxytocin Levels to Baseline Symptoms and Symptom Changes during Oxytocin Administration in Men and Women with Schizophrenia

Deanna L. Kelly, Heidi J. Wehring, Robert P. McMahon, Fang Liu, Jared Linthicum, Joseph G. Verbalis, Robert W. Buchanan, Gregory Strauss, Leah H. Rubin, Mary R. Lee

47. Drug-unpaired Environments Regulate Dendritic Spine Dynamics in the Nucleus Accumbens

Paul Vezina, Bryan Singer, Nancy Bubula, Vytautas Bindokas

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48. Understanding the Role of G-protein Dependent Signaling in the Indirect Striatal Pathway in Behavioral Inhibition using Targeted Viral-mediated Gene Transfer of DREADD Receptors

Susan Ferguson, Danielle Newcomer, Trevor W. Robbins, John F. Neumaier

49. Antipsychotic-like Actions of Amylin in Ventral Striatal Regions Enriched in RAMP-1 Gene Expression

Vaishali P. Bakshi, Sarah K. Baisley, Quentin Bremer, Brian A. Baldo

50. Role of Glycogen Synthase Kinase-3Beta and Beta-Catenin in the Ventral Tegmental Area in Stress and Anxiety Behaviors

Michelle S. Mazei-Robison, Raghu Appasani, Caroline Dias, Rachael Neve, Eric J. Nestler

51. Deficient Prepulse Inhibition in Schizophrenia Detected by the Multi-site Consortium on the Genetics of Schizophrenia (COGS)

Neal R. Swerdlow, Gregory A. Light, Joyce Sprock, David L. Braff, COGS Investigators

52. Pain-related Depression of the Mesolimbic Dopamine System in Rats: Expression, Blockade by Analgesics, and Role of Endogenous Kappa Opioids

Steve Negus, Michael Leidl, Matthew L. Banks

53. Hippocampal Function in KCNH2-3.1 Transgenic Mice

Gregory V. Carr, Audrey Bebensee, Randy Xun, Omoye Akhile, Qingjun Tian, Jingshan Chen, Francesco Papaleo, Daniel R. Weinberger

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54. Cocaine Craving and AMPA Receptor Plasticity: Modulation by Metabotropic Glutamate Receptors

Jessica A. Loweth, Andrew F. Scheyer, Mike Milovanovic, Xuan Li, Eden Flores-Barrera, M. Foster Olive, Kuei Y. Tseng, Marina E. Wolf

55. Modulation of Decision Biases by the Lateral Habenula

Colin M. Stopper, Stan B. Floresco

56. Pavlovian Conditioned Approach to a Reward Cue Predicts Fear Incubation

Jonathan D. Morrow, Stephen Maren, Terry E. Robinson

57. Hyperactivity and Increased Sociability in Mice lacking Fibroblast Growth Factor Receptor 2 in GFAP+ Cells During Critical Early Postnatal Period

Hanna E. Stevens, Flora M. Vaccarino

58. Adolescent Cannabinoid Exposure and Schizophrenia-like Deficits

Subroto Ghose, Kelly Gleason, Abhay Shukla, Shari Birnbaum

59. Social Interaction Familiarization, a Valid Preclinical Model of Social Processing and Behavioral Therapy for Anxiety

William Truitt, Elizabeth Lungwitz, Amy Dietrich, Pamela Minick, Anantha Shekhar

60. Alarm Pheromone Processing Areas are Involved in the Intergenerational Social Transfer of Emotional Trauma

Jacek Debiec, Regina M. Sullivan

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61. Adolescent Stressors to Epigenetic Modulation in Dopaminergic Neurons via Glucocorticoids: A Novel Model for Psychotic Depression

Minae Niwa, Akira Sawa

62. Enhanced Nicotine Self-administration in the Neonatal Ventral Hippocampal Lesion Rat Model of Schizophrenia without Nicotine Reversal of Spatial Working Memory Deficits

Sara Berg, Alena Sentir, Ben Cooley, R. Andrew Chambers

63. Convergence of Medial and Orbital Prefrontal Cortical Fibers in the Ventral Striatum Mediate DBS-enhancement of Fear Extinction

Jose Rodriguez-Romaguera, Fabricio H. Do Monte, Yoko Tanimura, Gregory J. Quirk, Suzanne Haber

64. Early Exposure to Antidepressants Does Not Recapitulate Constitutive Serotonin Transporter Deficiency

Stefanie Altieri, Hongyan Yang, Hannah O'Brien, Julie G. Hensler, Anne M. Andrews

65. Serotonin Transporter Genotype Modulates HPA Axis Output during Stress: Effect of Stress, Dexamethasone Test and ACTH Challenge

J. Dee Higley, Andrea Sorenson, John Capitanio, Sally Mendosa

66. Aberrant Light Impairs Mood and Learning through Melanopsin-expressing Neurons

Tara A. LeGates, Cara Altimus, Hui Wang, Sunggu Yang, Alfredo Kirkwood, Todd Weber, Samer Hattar

67. Traumatic Stress Reactivity Facilitates Excessive Alcohol Drinking and Prefrontal Cortex-Amygdala Synchronicity

Nicholas W. Gilpin, Scott Edwards, George F. Koob

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68. Context-dependent Neuronal Ensembles in the Amygdala, Prelimbic Area and Ventral Hippocampus after Fear Extinction in Rats

Caitlin Orsini, Chen Yan, Sheena Josselyn, Stephen Maren

69. GABAA and GABAB Receptor Subunits Display Altered Expression in Cerebella of Subjects with Schizophrenia, Bipolar Disorder, and Major Depression

S. Hossein Fatemi, Timothy Folsom

70. Abnormalities of the Ubiquitin-Proteasome System in the Superior Temporal Gyrus in Schizophrenia

Maria D. Rubio

71. ChIP-Seq Analysis Identifies Genome-wide Binding of Histone 4 Acetylated at Lysine 5 (H4K5ac) as a Mediator of the Acute Transcriptional Effects of Methamphetamine

Jean Lud Cadet, Christie Brannock, Michael McCoy, Subramaniam Jayanthi, Kevin Becker, Supriyo De, Elin Lehrman

72. Heat Shock Protein Hsp90 α : A Novel Target for Aripiprazole-induced Neurite Outgrowth

Kenji Hashimoto, Tamaki Ishima

73. Cognitive Impairments Induced by Brief Sleep Deprivation can be Prevented by Targeting a Single Phosphodiesterase Isoform Selectively in Excitatory Neurons in the Hippocampus

Robbert Havekes, Jennifer Choi, Vibeke Bruinenberg, George Baillie, Kyle Krainock, Sara Aton, Peter Meerlo, Miles Houslay, Ted Abel

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74. Childhood Adversity is Associated with Fewer Immature and Mature Dentate Gyrus Neurons in Treated and Untreated Depressed Subjects but not in Non-psychiatric Controls

Giulia Bracci, Mihran J. Bakalian, Tanya H. Butt, Adrienne N. Santiago, Andrew J. Dwork, Gorazd B. Rosoklija, Rene Hen, Victoria Arango, Hadassah Tamir, J. John Mann, Maura Boldrini

75. Higher Nestin and GFAP Immunoreactivity in Superior Temporal Cortex in Developing Autism Donors 2-21 Yrs of Age Compared To Age-matched Controls, Evidence for Sustained Cell and Microvessel Proliferation

Efrain C. Azmitia, Pooja P. Kothari, Mohammed F. Alzoobae, Tanya H. Butt, Helen K. Lyo, Gordon Jiang, Patricia M. Whitaker-Azmitia, Probal Banerjee, Maura Boldrini

76. Stress, PACAP and Epigenetic Control of Adrenergic Function

Dona Lee Wong, Robert Claycomb

77. Activity-dependent Phosphorylation of MeCP2 T308 Regulates Interaction with NCoR Co- repressor Complex

Daniel H. Ebert, Michael E. Greenberg

78. Induced Pluripotent Stem Cell (iPSC) Models for Bipolar Disorder

Melvin McInnis, Haiming Chen, Cindy DeLong, Sue O'Shea

79. Knockdown of TrkB in the Rat Nucleus Accumbens Alters BDNF Signaling in the Mesocorticolimbic Circuit and Prevents Effects of Social Defeat Stress on Amphetamine Cross-sensitization

Ella Nikulina, Junshi Wang, Jeremy Kleiman, Ernest Terwilliger, Caroline Bass, Ronald Hammer

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80. N-methyl-D-aspartate Receptor Function and Cocaine-induced Conditioned Place Preference: Implications for Comorbid Schizophrenia and Substance Abuse

Matthew D. Puhl, Anita J. Bechtholt, Joseph Coyle

81. “Erasing” a Cocaine-cue Memory in Mice: Potential Implications for Relapse to Drug Taking

Sheena Josselyn, Hwa-Lin (Liz) Hsiang, Michel van den Oever, Chen Yan, Asim Rashid, Paul Frankland

82. Tricyclic Antidepressant Amitriptyline Indirectly Increases the Proliferation of Adult Dentate Gyrus-derived Neural Precursor Cells through Inducing FGF2 Secretion from Astrocytes

Shuken Boku, Kazue Hisaoka-Nakashima, Shin Nakagawa, Akiko Kato, Naoto Kajitani, Takeshi Inoue, Minoru Takebayashi

83. Redox Dysregulation in Fast-spiking Interneurons Disrupts Cortical Stability

Hirofumi Morishita, Harry J. Cabungcal, Ying Chen, Kim Q. Do, Takao K. Hensch

84. A New Role of Dopamine D2 Receptors in the Regulation of Synaptic Connections

Zheng Li

85. Altered Frontal Cortex Insulin Receptor Mediated Signaling and Associated Epigenetic Modifications in Alzheimer’s Patients but not during Aging

Jagadeesh S. Rao, Alisha Jamil, Stanley I. Rapoport

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86. Striatal Adenosine Signaling Regulates EAAT2 and Astrocytic AQP4 Expression and Alcohol Drinking in Mice

Moonnoh R. Lee, Christina L. Ruby, David J. Hinton, Sun Choi, Chelsea A. Adams, Na Young Kang, Doo-Sup Choi

87. Adolescent Social Isolation Impairs Decision-making and Elevates Deep-layer Prefrontal Cortical Dendritic Spine Density in Adulthood

Elizabeth A. Hinton, Shannon L. Gourley

88. Cell Adhesion Pathway is Implicated in Lithium Treatment for Adolescent Mania via DNA Methylation Alteration

Chunyu Liu, Jeffrey R. Bishop, Chunling Zhang, Meredith Wong, Shitalben Patel, Jonathan Leigh, Mani Pavuluri

89. Lipid Raft Sequestration of the G Protein, Gs α : A Protein-based Platelet Biomarker for Major Depressive Disorder

Jeffrey Sprouse, Alexander Jackson, Robert Donati, Lucio Tonello, Massimo Cocchi, Mark M. Rasenick

90. A Trial of Prazosin for Combat Trauma PTSD with Nightmares in Active Duty Soldiers Returned from Iraq and Afghanistan

Murray A. Raskind, Kris Peterson, Tammy Williams, Elaine R. Peskind

91. Reduced Mitochondrial Energy Production in Major Depressive Disorder: Associations with the Serotonin Transporter and Glutamine Synthetase Genes

Chadi G. Abdallah, Graeme F. Mason, Henk De Feyter, Madonna Fasula, Ben Kelmendi, Arthur Simen, Lihong Jiang, John H. Krystal, Douglas L. Rothman, Gerard Sanacora

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92. Social and Non-social Cognition in Bipolar Disorder and Schizophrenia: Relative Levels of Impairment

Junghee Lee, Lori Altshuler, David Glahn, David Miklowitz, Kevin Ochsner, Michael F. Green

93. Reducing GABA-A alpha 5 Receptor-mediated Inhibition Restores Synaptic Plasticity and Neuromorphological Deficits in a Mouse Model of Down Syndrome

Paula Martinez, Carmen Martinez-Cue, Noemi Rueda, Rebeca Vidal, Susana Garcia, Veronica Vidal, Andrea Corrales, Juan A. Montero, Angel Pazos, Jesus Florez, Andrew W. Thomas, Frederic Knoflach, Jose Luis Trejo, Joseph G. Wettstein, Maria C. Hernandez

94. Glutamate Antagonism and Alcohol Behaviors in Heavy Drinkers: Contrasting Effects of Opioid Antagonism

Suchitra Krishnan-Sarin, Stephanie O'Malley, Nicholas Franco, Dana Cavallo, Brian Pittman, Julia Shi, John H. Krystal

95. Occupancy of Naltrexone at Kappa Opioid Receptors may Predict Efficacy in Reducing Craving and Drinking in Alcoholics: A PET Imaging Study with a Novel Kappa Tracer

Evan Morris, Su Jin Kim, Nicholas Franco, Dana Cavallo, alisha jordan, Julia Gillard, Ming-Qiang Zheng, shu-fei lin, Stephanie O'malley, Yiyun Huang, Suchitra Krishnan-Sarin

96. Development of Personalized Small Molecule Modulator Screening Strategies: Upregulation of Alpha-L-iduronidase in Mucopolysaccharidosis Type I (MPSI) Patient Cells

Claude-Henry Volmar, Shaun P. Brothers, Claes Wahlestedt

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97. Trajectories of Depressive Symptoms During Medical Internship: Insights Into Classes of Depressive Symptoms Under Conditions of Chronic Stress

Srijan Sen, Constance Guille, Shaunna Clark, Ananda Amstadter

98. Lurasidone Adjunctive to Lithium or Valproate for the Treatment of Bipolar I Depression: Results of the 6-week, Double-blind, Placebo-controlled Prevail-1 Study

Joseph R. Calabrese, Antony Loebel, Josephine Cucchiaro, Robert Silva, Jay Hsu, Kaushik Sarma, Gary Sachs

99. Static and Dynamic Functional Network Connectivity during Resting State in Schizophrenia

Eswar Damaraju, Jessica Turner, Adrian Preda, Theo Van Erp, Daniel H. Mathalon, Judith M. Ford, Steven Potkin, Vincent Calhoun

100. Effect of Narp Deletion on Neophobia

Ashley Blouin, JongAh Lee, Bo Tao, Alexander Johnson, Dani Smith, Jay Baraban, Irving M. Reti

101. Combined Dexamethasone Suppression – Corticotrophin-releasing Hormone Stimulation Test in Unmedicated Major Depression and Healthy Volunteers

Leo Sher, Maria Oquendo, Thomas Cooper, J. John Mann

102. Inflammatory Biomarkers in Late-life Depression and White Matter Integrity

Nunzio Pomara, Davide Bruno, Jay Nierenberg, John Sidtis, Henrik Zetterberg, Kaj Blennow

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103. Acute Nicotine Administration Improves White Matter Integrity and Associated Attention Performance

Peter Kochunov, Elliot A. Stein, Elliot Hong

104. The Unreliability of Reliability Statistics: A Primer on Calculating Interrater Reliability in CNS Clinical Trials

Danielle Popp, Craig H. Mallinckrodt, Janet BW. Williams, Michael J. Detke

105. Effects of Chronic Mild Stress and Electroconvulsive Seizure on Memory Functions in Rats

Ove Wiborg, Kim Henningsen, David Woldbye, Elena Bouzinova

106. Next-generation Sequencing Follow-up to a Genome Wide Association Scan for EEG Power in a Native American Population

Colin A. Hodgkinson, Polina Iarikova, Qiaoping Yuan, Cheryl Marietta, Zachary Hommer, Mary-Anne Enoch, David Goldman

107. Extracellular Administration of Apical Domain of CCT1 Inhibits Mutant Huntingtin Aggregation and Promotes Cell Survival in Vitro

Steven Potkin, Zhiquan Tan, Emily Mitchell Sontag, William E. Bunney, Leslie Thompson, Charles Glabe

108. Chronic Glucocorticoid Induces Parkin 2 – Mediated Ubiquitin-Proteasome Activity and TrkB Degradation

Anilkumar Pillai, Chirayu Pandya, Callie Jowers

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109. GLYX-13, a NMDA Receptor Glycine Site Functional Partial Agonist, Exerts its Antidepressant Effects by Acting at a Novel NMDA Receptor Modulatory Site

Joseph Moskal, Roger Kroes, Jeffrey Burgdorf, Amanda Gross, Xiao-lei Zhang, Ronald M. Burch, Patric Stanton

110. Next Generation Sequencing using ChIP-Seq Highlights an Essential Role for SIRT1 in Emotional Plasticity

Deveroux Ferguson, Ningyi Shao, Ja Wook Koo, Jian Feng, Vincent Vialou, Rachael Neve, Li Shen, Eric J. Nestler

111. Glucocorticoid Receptor Translocation is Attenuated in Olfactory Neuroepithelial Cells of Patients with Major Depressive Disorder

Karin Borgmann-Winter, Sarah Jefferson, Brooke Willis, Aziza Manceur, Ray Rabindranath, James Stefano, Jackie St. Louis, Michael Thase, Olivier Berton, Chang-Gyu Hahn

112. PSD Protein Partitioning is Drastically Altered in the Lateral Prefrontal Cortex of Schizophrenia

Matthew L. MacDonald, Gene Ciccimaro, Steven Siegel, Scott Hemby, Ian Blair, Chang-Gyu Hahn

113. Developmental Switch in Striatal Gene Expression in Rat: Implications for Schizophrenia

Gabriela Novak, Theresa Fan, Brian F. O'Dowd, Susan R. George

114. A Potential Mechanism of Behavioral Alteration by Genome Diversification: The Role of Neural MILI/piRNA Complexes on De Novo L1 Retrotransposition

Daisy Lin, Jay A. Gingrich

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115. Top-down Control of Raphe Circuits in Affective Resilience: Key Role of Raphe GABA Interneurons

Collin Challis, Julie Espallergues, Sheryl Beck, Olivier Berton

116. Ras Suppressor 1 Acts Downstream of Integrin to Regulate Rac1 Activity and Ethanol Consumption in Drosophila and Humans

Shamsideen Ojelade, Gunter Schumann, Adrian Rothenfluh

117. Cellular Mechanisms of Growth Arrest and DNA Damage-inducible 45b (Gadd45b) in Regulating Antidepressant-induced Adult Hippocampal Neurogenesis

Mi-Hyeon Jang, Heechul Jun, Guo-li Ming, Hongjun Song

118. Neuronal-glia Interactions in the Nucleus Accumbens following Morphine Administration: A Role in Relapse Behavior

Jaclyn M. Schwarz, Staci D. Bilbo

119. Limited Contribution of NMDA Receptor GluN1 Deletion in Cortical Excitatory Neurons to Schizophrenia-like Phenotypes

Gregory Rompala, Veronika Zsiros, Shuqin Zhang, Stefan M. Kolata, Kazu Nakazawa

120. Comparing Genome-wide Association Results for Conditioned Fear in Two Advanced Intercross Mouse Lines: Implications for the Genetic Mapping of Complex Psychiatric Traits

Clarissa C. Parker, Greta Sokoloff, Riyan Cheng, Shyam Gopalakrishnan, Natalia M. Gonzales, Joe Davis, Abraham A. Palmer

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121. Genomic Sequencing and Linkage Analysis in Selectively Bred Rat Lines Identify Grm2 and Lcn2 Stop Codons as Functional Alleles Influencing Alcohol Preference

Zhifeng Zhou, Tiebing Liang, Mitsuru Kimura, Qiaoping Yuan, Mary-Anne Enoch, Colin A. Hodgkinson, Francesca Ducci, Marjo-Riitta Järvelin, Anneli Pouta, Jenica Tapocik, Estelle Barbier, Markus Heilig, Howard Edenberg, David Goldman

122. Comparative Analysis of Differential Allele Gene Expression in the Mouse Brain

Seungeun Yeo, Zhifeng Zhou, Colin A. Hodgkinson, Qiaoping Yuan, Jeesun Jung, Mary-Anne Enoch, David Goldman

123. Open Field Testing of Drosophila Adults to Study CNS Stimulants

Charles D. Nichols, Indya Bruce, Jaime Becnel

124. Cortical Thickness, Regional Brain Volumes, and Symptom Severity in Body Dysmorphic Disorder

Sarah Madsen, Tara Pirnia, Alex Zai, Teena Moody, Jamie Feusner

125. Compared to What? Reappraising the Early Brain Overgrowth Hypothesis in Autism

Armin Raznahan, Rhoshel Lenroot, Audrey Thurm, Marta Gozzi, Sarah Spence, Susan Swedo, Jay Giedd

126. Nicotinic-mediated Effects on Brain Reward Function are Modulated by $\alpha 5$ -containing Nicotinic Acetylcholine Receptors

Christie D. Fowler, Paul Kenny

127. Targeted Deletion of the $\alpha 2$ Nicotinic Acetylcholine Receptor Subunit Gene (Chrna2) Potentiates Sexual Dimorphism in Emotional Processing

Shahrdad Lotfipour

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128. Serotonin Transporter Deficient Rats Exhibit Enhanced Acquisition and Disrupted Extinction of Conditioned Fear

Philip L. Johnson, Stephanie D. Fitz, Andrei Molosh, William Truitt,
Anantha Shekhar

129. Exposure to Chronic Stress During Pregnancy Prevents the Beneficial Effects of Motherhood on Dendritic Spines in the Hippocampus and Medial Prefrontal Cortex

Benedetta Leuner, Peter Fredericks, Connor Nealer

130. Cortisolemia, Psychopathology and Treatment Response in First-episode Schizophrenia

Eva Ceskova, Radovan Prikryl

131. Trauma Timing Predicts Variation in PTSD-related Outcomes

David T. George, Laura E. Kwako, Keva Garg, Joanna Sells, Erica N. Grodin, Melanie Schwandt, Daniel W. Hommer, Markus Heilig

132. The Relationship between Sleep Quality AND Morning/Eveningness, Seasonality, Activity Levels, and Dim Light Melatonin Onset in Depressed Patients with Bipolar Disorder

Dorothy Sit, Christopher Wiltrout, Evie Fowler, Maxwell Mitchell, Katherine L. Wisner, Howard Seltman

133. Brief Cognitive Intervention can Modulate ACTH Response to the Trier Social Stress Test

Stefanie Mayer, Thane Erickson, Hedieh Briggs, Jennifer Crocker, Israel Liberzon, James L. Abelson

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134. The Novel Vasopressin V1a Receptor Antagonist SRX246 Blocks Vasopressinergic Modulation of Emotion: An fMRI Study

Royce J. Lee, Emil F. Coccaro, Rosemary McCarron, Vernon Towle, Shi Fang Lu, Christophe Guillon, Karine Fabio, Michael Brownstein, Neal Simon

135. Antidepressant Efficacy of Ketamine in Treatment-resistant Major Depression: A Two-site, Randomized, Parallel-arm, Midazolam-controlled, Clinical Trial

James W. Murrough, Dan V. Iosifescu, Lee C. Chang, Rayan K. Al Jurdi, Charles M. Green, Syed Iqbal, Sarah Pillemer, Andrew M. Perez, Alexandra Foulkes, Asim Shah, Dennis S. Charney, Sanjay J. Mathew

136. Can Prediction of Psychosis be Improved? Findings from the 12-year Recognition and Prevention (RAP) Program

Barbara A. Cornblatt, Ricardo Carrion, Andrea Auther, Danielle McLaughlin

137. A Randomized Trial of a Low Trapping Non-selective N-methyl-D-aspartate Channel Blocker (AZD6765) in Treatment-resistant Major Depression

Carlos A. Zarate, Daniel Mathews, Nancy Brutsche, Libby Jolkovsky, Mark A. Smith, David Luckenbaugh

138. Impact of Sex and Gonadal Steroids on Neonatal Brain Structure

Rebecca Knickmeyer, Jiaping Wang, Hongtu Zhu, Xiujuan Geng, Sandra Woolson, Robert M. Hamer, Thomas Konneker, Martin Styner, John Gilmore

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139. Stress Response Systems in Adolescent Girls and Boys with Major Depression: A Multi-Modal Approach

Kathryn R. Cullen, Bonnie Klimes-Dougan, Alaa Hour, Kelvin O. Lim

140. Stress Response in Adolescents with Childhood Maltreatment: Moderation by Gender and Genetic Factor

Uma Rao, Elena Gorodetsky, David Goldman

141. Salivary Cortisol, Pro-inflammatory Cytokines, and Grief-related Psychiatric Symptoms in Parentally Bereaved Children

Julie B. Kaplow, Kristen Wiese, James L. Abelson, Alan Prossin

142. Circadian Cortisol and Hypothalamic-subgenual Cortex Functional Connectivity in Major Depression with and without Psychotic Features

Keith Sudheimer, Jennifer Keller, Lakshika Tennakoon, Alan F. Schatzberg

143. Blood Glucagon-like Peptide-1 (GLP-1) Concentration Correlates Inversely with Alcohol Self-Administration in a Laboratory Study with Alcoholic Individuals: Preliminary Findings

Lorenzo Leggio, William Zywiak, Steven Edwards, Samuel Fricchione, Cynthia Vuittonet, Robert Swift, George Kenna

144. Neuroadaptive Changes after Chronic Lurasidone Treatment: Implication for Mood and Stress-related Disorders

Marco A. Riva, Alessia Luoni, Francesca Calabrese, Gianluigi Guidotti, Giorgio Racagni, Judith Homberg

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145. Substrate-selective Inhibition of COX-2 as a Novel Strategy for In Vivo Endocannabinoid Augmentation

Daniel Hermanson, Nolan Hartley, Lawrence Marnett, Sachin Patel

146. Modulation of the Inflammatory Response after the Antidepressant Agomelatine in Rats

Raffaella Molteni, Flavia Macchi, Claudia Zecchillo, Mario Dell'Agli, Marco A. Riva, Giorgio Racagni

147. Synergy between Melatonergic and 5-HT_{2C} Receptors in the Action of Agomelatine – Molecular and Cellular Evidence

Daniela Tardito, Marco A. Riva, Raffaella Molteni, Alessandra Mallei, Laura Musazzi, Francesca Calabrese, Maurizio Popoli, Giorgio Racagni

148. Spatial Memory Deficits in Adult c57BL6 Mice Exposed to Fluoxetine during Adolescence

Michelle J. Stone, Steven J. Nieto, Tiffany Aiello, Lace Riggs, Sergio Iñiguez

149. Subchronic Escitalopram Treatment Leads to SERT Internalization Rather than Down-regulation In Vitro and Ex Vivo

Walter E. Mueller, Jeanine Heiser, Kristina Leuner

150. An Examination of Involvement of the Dopamine Transporter (DAT), the Serotonin Transporter (SERT), and Monoamine Oxidase A (MAOA) in the Temperature and Locomotor Effects of 4-methylthiomethamphetamine (MTA)

Meredith A. Fox, Pablo R. Moya, Ramón Sotomayor-Zárate, Patricio Iturriaga-Vásquez, F. Scott Hall, Kevin Chen, Jean C. Shih, George R. Uhl, Miguel Reyes-Parada, Dennis L. Murphy

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151. Decreasing Activity of Neuronal Nicotinic Receptors can Improve Cognitive Function

Edward D. Levin, Marty C. Cauley, Amir H. Rezvani

152. CTP-354: A Novel Deuterated Subtype-selective GABA(A) Modulator for Treatment of Neuropathic Pain, Spasticity and Anxiety Disorders

Julie F. Liu, Scott Harbeson, Vinita Uttamsingh, Arturo J. Morales, Sophia Nguyen, Gary Bridson, Changfu Cheng, Ara Aslanian, Lijun Wu

153. Activation of Metabotropic Glutamate Receptor 7 (mGluR7) by AMN082 Attenuates the Rewarding Effects of Cocaine and Nicotine in Rats

Xia Li, Astrid Stoker, Zheng-Xiong Xi, Eliot Gardner, Athina Markou

154. Lithium Potentiates Long-term Synaptic and Antidepressant-like Effects of Ketamine

Rong-Jian Liu, Manabu Fuchikami, Jason Dwyer, Ronald S. Duman, George Aghajanian

155. Identification of a Novel Dopaminergic Agonist that Selectively Activates the D2 Dopamine Receptor

David R. Sibley, R. Benjamin Free, Jennie Conroy, Rebecca A. Roof, Trevor Doyle, Noel Southall, Marc Ferrer, Prashant Donthamsetti, Mayako Michino, Yang Han, Lei Shi, Jonathan A. Javitch

156. A Novel Nociceptin-1 Receptor Antagonist Produces Antidepressant-, Anxiolytic-, and Anti-ethanol-associated Effects in Rodent Models

Jeffrey M. Witkin, M Statnick, D L. McKinzie, L Rorick-Kehn, V N. Barth, J Pintar, K Perry, M A. Toledo, N Diaz, C Lafuente, A Jimenez, M A. Martinez-Grau

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157. Preclinical Studies of the Multimodal Antidepressant Vortioxetine Support a Potential Improvement of Cognitive Functions

Steven C. Leiser, Alan L. Pehrson, Paul J. Robichaud, Kristian GJ. Nielsen, Jesper B. Jensen, Gennady Smagin, Dekun Song, David Budac, Alan Frazer, Connie Sanchez

158. The Inositol Depletion Hypothesis of Lithium's Mechanism of Action is not Dead; Lithium Affects Mouse Brain Inositol Turnover with Behavioral Consequences in Bipolar-related Paradigms

Galila Agam, Yeala Sade

159. Altered Tonic and Phasic Glutamate in Prelimbic and Infralimbic Prefrontal Cortices of Anesthetized and Awake SHR Rats

Paul Glaser, Erin Miller, Francois Pomerleau, Greg Gerhardt

160. Evidence for Involvement of Nitric Oxide and GABA-B Receptors in MK-801-stimulated Glutamate Efflux in the Rat Prefrontal Cortex

Gary A. Gudelsky, Nicole Roenker, Rebecca Ahlbrand, Paul Horn, Neil M. Richtand

161. Effects of Chronic Cariprazine Administration on Serotonin and Glutamate Receptor Subtypes

Frank Tarazi, Yong Kee Choi, Nika Adham, Béla Kiss, István Gyertyan

162. Effects of a Novel Simplified Acute Tryptophan Depletion (SATD) vs. Acute Tryptophan Depletion (ATD Moja-De) Formulas on Serotonergic and Dopaminergic Content in C57BL/6J Mice

Cristina L. Sanchez, Amanda ED. Van Swearingen, Andrew E. Arrant, Cynthia Kuhn, Florian Daniel. Zepf

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163. Patterns in the Shape of Maturational Trajectories across the Human Cortex and between the Sexes

Aaron F. Alexander-Bloch, Philip T. Reiss, Nitin Gogtay, Jay Giedd

164. Drug Cue-induced Dopamine Release in Amygdala and Hippocampus: A High-resolution PET [18F]Fallypride Study in Cocaine Dependent Participants

Aryandokht Fotros, Kevin Casey, Kevin Larcher, Jeroen Verhaeghe, Sylvia Cox, Paul Gravel, Andrew Reader, Alain Dagher, Chawki Benkelfat, Marco Leyton

165. Lurasidone for Bipolar I Depression: Effects on Quality of Life and Functioning

Terence A. Ketter, Josephine Cucchiaro, Robert Silva, Peter Warner, Andrei Pikalov, Kaushik Sarma, Hans Kroger, Antony Loebel

166. Decreased Neuropeptide Y and Altered Neuropeptide Y - Corticotropin Releasing Hormone Balance in Cerebrospinal Fluid in Remitted Bipolar Patients can Predict Future Suicide Attempts

Aleksander Mathé, Johan Sandberg, Mikael Landén

167. Abnormal Threat Detection in AHI1 Mutant Mice: Translational Relevance to Schizophrenia and Autism

Amit Lotan, Tzuri Lifschytz, Alexandra Slonimsky, Yakov Fellig, Suzan Abedat, Hagit Cohen, Gadi Goelman, Bernard Lerer

168. Activation of Noradrenergic Locus Coeruleus Neurons Promotes Anxiety-like Behaviors

Jordan G. McCall, Edward R. Siuda, Chris P. Ford, Michael R. Bruchas

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169. Solanezumab Phase 3 Results: Testing the Amyloid Hypothesis

Richard C. Mohs, Eric Siemers, Christopher Carlson, Wahiba Estergard, Karen Sundell, David Henley, Jennifer Eads, Cora Sexton, Robert Dean, Brian Willis, Ronald DeMattos

170. Chronic Ethanol Upregulates Toll-like Receptors Increasing Neuroinflammation and Neurodegeneration Mimicking Human Alcoholic Brain

Fulton T. Crews, Liya Qin, Ryan P. Vetreno

171. MRS GABA and Glutamate Abnormalities in the Superior Temporal Gyrus and Their Association with Gamma Band Oscillation Abnormalities in Schizotypal Personality Disorder and Schizophrenia

Alexander Lin, Huijun Liao, Sai Merugumala, Margaret Niznikiewicz, Kevin M. Spencer, Yoji Hirano, Robert McCarley

172. Mutations in the X-linked Endosomal Alkali Cation/proton Exchanger 6 - A New Genetic Model to Study the Neurodevelopmental Biology of Severe Autism

Eric M. Morrow, Qing Ouyang, Julie Kauer, Michael Schmidt, Sofia Lizarraga

173. Resting Functional Connectivity of the Nucleus Accumbens in Apathetic Late-life Depression

George S. Alexopoulos, Genevieve S. Yuen, Matthew Hoptman, Faith Gunning-Dixon

174. The Ankyrin 3 (ANK3) Bipolar Disorder Gene Regulates Mood-related Behaviors and Stress Reactivity in Mice

Melanie Leussis, Erin Berry-Scott, Mai Saito, Ozan Alkan, Catherine Luce, Jon Madison, David Root, Tracey Petryshen

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175. Evidence for Diminished Interoceptive Response to Soft Touch in Adolescent and Adult Stimulant Users

Martin Paulus, Susan Tapert, Jennifer Stewart, April May, Robyn Migliorini

176. Sex Differences in Fear Learning and Memory: A Role for Dopamine

Rebecca Shansky, Colin Rey

177. Major Depressive Disorder with Mixed Features: Interim Baseline Characteristics of Subjects Enrolled in a 6-week, Double-blind, Placebo-controlled Trial of Lurasidone

Trisha Suppes, Josephine Cucchiaro, Andrei Pikalov, Peter Warner, Steven D. Targum, Antony Loebel

178. The Novel Brain Penetrant NPS Receptor Antagonist, NCGC00185684, Blocks Alcohol-Induced ERK-phosphorylation within the Central Amygdala, and Decreases Alcohol Self-administration in Rats

Annika Thorsell, Wei Zheng, Michelle Zook, Lauren Bell, Sam Patnaik, Juan Marugan, Ruslan Damadzic, Jenica Tapocik, Ke Liu, Seameen Dehdashti, Melanie Schwandt, Noel Southall, Christopher Austin, Robert Eskay, Roberto Ciccocioppo, Markus Heilig

179. ¹H-[¹³C]-Nuclear Magnetic Resonance Spectroscopy Measures of CP-101-606, Ro-256981 or Ketamine's Dose Effects on Amino Acid Neurotransmitter Metabolism

Golam MI. Chowdhury, Kevin L. Behar, Eric Schaeffer, Linda Bristow, Douglas L. Rothman, Gerard Sanacora

180. Melanocortin 4 Receptor Signaling in the Ventral Striatum Affects Obsessive Compulsive Disorder-like Behaviors in Mice

Pin Xu, Huxing Cui, Brittany L. Mason, Andrew A. Pieper, Michael L. Lutter

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181. Monoamine Modulation of Separation-induced Ultrasonic Vocalizations in Preweanling F344 rats

Cynthia A. Crawford

182. Deuterium Enriched L-DOPA Displays Increased Behavioral Potency and Dopamine Output in an Animal Model of Parkinson's Disease: Comparison with the Effects Produced by L-DOPA and an MAO-B Inhibitor

Torgny H. Svensson, Torun MalmLöf, Kristin Feltman, Åsa Konradsson-Geuken, Björn Schilström

183. Impact of Sustained Administration of Asenapine on Neuronal Activity in Monoaminergic Systems in the Rat Brain

Chris Oosterhof, Mostafa El Mansari, Pierre Blier

184. Adenosine Receptor Stimulation during Extinction Training Produces Lasting Effects on Cocaine Seeking

Casey O'Neill, Benjamin Hobson, Sophia Levis, Ryan Bachtell

185. Pharmacologic and Genetic Manipulation of Trace Amine-associated Receptor 1 Signaling Demonstrates its Role in Methamphetamine-stimulated Locomotor Activity in Mice

David K. Grandy, Katie R. Tallman, Madeline S. Grandy, Ashley D. Kimbel, Olena Anoshchenko, William C. Grandy, Troy A. Wahl, Andrew Placzek, Thomas S. Scanlan, Ofelia Littrell, Wayne Cass, Greg Gerhardt, Aaron Janowsky, Greg Mark

186. Behavioral Interactions Between mGlu5 and 5-HT_{2A} Receptors in Mice

Adam L. Halberstadt, Susan B. Powell, Mark A. Geyer

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187. Chronic Exposure to Cocaine Produces Persistent Residual Effects on Functional Brain Activity in the Prefrontal Cortex: Evidence from a Nonhuman Primate Model of Cocaine Self-administration

Linda Porrino, Thomas Beveridge, Hilary R. Smith, Michael A. Nader

188. Uncoupling alpha7 nACh-NMDA Receptor Complex Blocks Cue-induced Reinstatement

Shupeng Li, Zhaoxia Li, Anh Le, Fang Liu

189. Activation of the μ - δ Opioid Receptor Heteromer in the Nucleus Accumbens Produces Anti-Depressant-like and Anxiolytic-like Effects

Noufissa Kabli, Tuan Nguyen, Gianfranco Balboni, Brian F. O'Dowd, Susan R. George

190. Glyoxalase 1 (Glo1) Increases Anxiety in Mice by Metabolizing Methylglyoxal, which is a Novel GABAA Receptor Agonist

Margaret G. Distler, Abraham A. Palmer

191. A Procedure for Studying Acute, Discontinuation-induced Benzodiazepine Withdrawal in Non-human Primates

Lisa R. Gerak, Martin Javors, Charles France

192. Chronic Ethanol and Nicotine Co-administration, but not Ethanol or Nicotine Self-administration, Increases the Reinforcing Properties of Nicotine within the Nucleus Accumbens Shell

Sheketha Hauser, Gerald A. Deehan, Jamie E. Toalston, Jesssica A. Wilden, William A. Truitt, William J. McBride, Zachary A. Rodd

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193. mTOR Altered by Chronic Alcohol Consumption: Effects on Signaling and Complex Formation in Mice

Michael J. Lewis, Darin Salloum, David Foster, Robin Clugson, William Blaner

194. Chronic Unpredictable Stress Modifies Cortical GABA and Induces Depression like Behavior in Rats: Reversal by Ketamine

Matthew P. Galloway, Farhad Ghoddoussi, George McKelvey, Shane A. Perrine

195. Dendritic Spine Plasticity Induced by the mGluR5 Positive Allosteric Modulator CDPBB

Amber L. LaCrosse, Sara B. Taylor, M. Foster Olive

196. Expression Profiles of Mitochondrial Genes in Frontal Cortex and Caudate Nucleus of Developing Humans and Mice Selectively Bred For High and Low Fear

Kwang Choi, Thein Le, Jennifer McGuire, Jennifer Coyner, Brandon Higgs, Suad Diglisic, Luke Johnson, David Benedek, Robert Ursano

197. Development of Antipsychotic Medications with Novel Mechanisms of Action Based on Computational Modeling of Hippocampal Neuropathology

Peter J. Siekmeier, David VanMaanen

198. Posttraining Optogenetic Stimulation and Inhibition of Basolateral Amygdala Activity, Respectively, Enhances and Impairs Retention of Inhibitory Avoidance Learning

Mary Huff, Rachel Miller, David Moorman, Ryan T. LaLumiere

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199. NMDA-receptor Antagonist Ketamine Induces Brain Hyperconnectivity at Rest

Naomi R. Driesen, Gregory McCarthy, Zubin Bhagwagar, Michael Bloch, Vincent Calhoun, Deepak D'Souza, Ralitza Gueorguieva, George He, Ramani Ramachandran, Alan Anticevic, Peter Morgan, John H. Krystal

200. Amygdala Projections to Lateral Bed Nucleus Stria Terminalis in Primate

Julie L. Fudge, Danielle M. deCampo

201. Role of the Nucleus Accumbens Shell to Lateral Hypothalamic (AcbSh-LH) Pathway in “Depressive-like” Behavior in Rats

Erin B. Larson, David W. Self

202. The Localization of the Excitatory Amino Acid Transporter EAAT2 in Prefrontal Cortex in Schizophrenia: A Postmortem Ultrastructural Study

Rosalinda C. Roberts, Joy Roche, Robert McCullumsmith

203. Within Subject Evaluation of the Effect of Neuroleptics on GABA Levels in Patients with Schizophrenia Spectrum Psychosis

Stefano Marengo, Katherine DeJong, Jan Willem van der Veen, Alan S. Barnett, Jose A. Apud, Karen F. Berman, Daniel R. Weinberger

204. Genetic Background Regulates the Effect of the Antidepressant Fluoxetine on Behavioral Despair and Hippocampal Neurogenesis in Mice

Brooke H. Miller, Zane Zeier, Thomas A. Lanz, Miguel Lopez-Teledono, Mathew Pletcher, Robin J. Kleiman, Claes Wahlestedt

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205. Functional Genetic Variants in the Vesicular Monoamine Transporter 1 (VMAT1) Modulate Emotion Processing

Falk W. Lohoff, Brian J. Mickey, Mary Heitzeg, Scott A. Langenecker, Jon-Kar Zubieta, Ryan Bogdan, Yulia Nikolova, Ahmad R. Hariri, Laura Bevilacqua, David Goldman, Glenn Doyle

206. Expression of Histone-modifying Genes in Response to Cocaine

Gregory C. Sartor, Shaun P. Brothers, Sari Izenwasser, Claes Wahlestedt

207. Glutamatergic Hyperexcitability during Alcohol Withdrawal-precipitated Aggression in Mice

Lara S. Hwa, Anna Nathanson, Keisha Dodman, Akiko Shimamoto, Joseph F. DeBold, Klaus A. Miczek

208. Opioid Modulation of Marijuana's analgesic, Subjective, Reinforcing, and Physiological Effects in Non-treatment Seeking Marijuana Smokers

Ziva D. Cooper, Sandra D. Comer, Gillinder Bedi, Divya Ramesh, Margaret Haney

209. Rostral vs. Caudal Anterior Cingulate Connectivities Differentiate Two Neurotherapeutic Targets Used for OCD and MDD

Sarah R. Heilbronner, Suzanne Haber

210. Experimental Sadness Induces Plasma IL-18 Elevation and Covarying Modulation of Limbic Endogenous Opioid Function in Major Depression

Alan Prossin, Alisa E. Koch, Steven S. Zalcman, Phillip L. Campbell, Jon-Kar Zubieta

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211. Long-term Potentiation of Visual Stimulus-induced EEG Phase Synchrony: Further Evidence for Impaired Visual Cortical Plasticity in Schizophrenia

Daniel H. Mathalon, Idil Cavus, Brian J. Roach, Ralitza Gueorguieva, Timothy J. Teyler, Wesley C. Clapp, John H. Krystal, Judith M. Ford

212. The Functional Contribution of Distal Amygdala Projections in Anxiety: An Optogenetic Circuit Dissection

Kay M. Tye, Ada C. Felix-Ortiz, Christopher Leppla

213. Oxytocin Associated with More Negative Evaluation of Neutral Faces after an Affective Learning “Gossip” Task for Men compared to Women

T.H. Eric Bui, Elizabeth Hoge, Eric Anderson, Laura Fischer, Lisa Feldman Barrett, Naomi M. Simon

214. Impaired Cognitive Flexibility following Single Prolonged Stress is Ameliorated by Pretreatment with D-Cycloserine

Sophie A. George, John Riley, James L. Abelson, Stan B. Floresco, Israel Liberzon