Department of Psychiatry
9th Annual Research Forum
“Extravaganza” 2018

Tuesday, September 25th, 2018
College of Medicine Research Building
Moss Auditorium

Poster Presentations and Reception:
Student Center West 2nd Floor
PROGRAM

Welcome and Introductions
1:00PM-1:10PM

Anand Kumar, MD, MHA
Lizzie Gilman Professor and Head of the Department of Psychiatry

FACULTY DATA BLITZ
1:10PM-2:00PM

David Gavin, MD, MS
Alcohol and DNA Demethylation Pathways

Liz Glover, PhD
Cortical Regulation of Aversive Signaling

Tori Eisenlohr-Moul, PhD
Clarifying the Endocrinology of Acute Risk for Suicide in Females

Heide Klumpp, PhD
A Multi-Method Investigation of Attentional Control as a Transdiagnostic Mechanism in Anxiety and Depression

Neil Smalheiser, MD, PhD
Text Mining for Evidence Synthesis and Biomedical Discovery

KEYNOTE SPEAKER
2:00PM-3:00PM

Joseph Ledoux, PhD
Professor of Neural Science, Psychology, Psychiatry, and Child and Adolescent Psychiatry at New York University,
Director Emotional Brain Institute

“Putting Fear Back into the Science of Fear”

POSTER PRESENTATION
3:00PM – 4:00PM: Odd number
4:00PM – 5:00PM: Even number
2018 List of Abstracts and Authors


2. Innate immunity in the postmortem brain of depressed and suicide subjects: role of Toll-like receptors. Hui Zhang, PhD, Hooriyah S. Rizavi, MS, Xinguo Ren, M.D., Ghanshyam N. Pandey, PhD


5. Identification of Transdiagnostic Biotypes in Anxiety and Depression Using Brain and Sleep Measures. Heide Klumpp, Kerry L. Kinney, Tony Cunningham, Helen Burgess

6. Neural Correlates of Inhibition and Reward are Negatively Associated. Jessica Weaver, PhD, Natania A. Crane, PhD, Stephanie M. Gorka, PhD, K. Luan Phan, MD, and Harriet de Wit, PhD

7. The Experience of Hearing Voices: Using Webinar Technology to Deliver Expert Content. Robert Marvin, MD


9. Downregulation Of Dendritic Long Non-Coding Rna Bc1 Induced By Prenatal Stress Associates With Excessive Alcohol Intake And Anxiety Behaviors In Adult Offspring. E. Dong, A. Guidotti, S.C. Pandey

10. Acute Prenatal Stress Induces Excessive Ethanol Intake In Young Adult Offspring. E. Dong, S.C. Pandey

11. N-Phthalyl-L-tryptophan (RG108), like clozapine (CLO), induces chromatin remodeling in brains of prenatally stressed mice. Erbo Dong, Valentina Locci, Eleonora Gatta, Dennis R. Grayson, and Alessandro Guidotti


14. Gene Expression Alterations In Response To Neonatal Alcohol Exposure.
   Kayla A. Chase, Handojo Kusumo, Marina Guizzetti, David P. Gavin

15. Binge Alcohol Drinking and Poly ADP Ribose Polymerase (PARP) Activity.
   Kayla A Chase, Marina Guizzetti, Handojo Kusumo, Sergey. Kalinin, Douglas L. Feinstein,
   David P. Gavin

16. A Qualitative Study to Explore Paraprofessionals' Role in School-Based Prevention and Early
   Intervention Mental Health Services.
   Rusch, D., Walden, A.L, Gustafson, E., Lakind, D., & Atkins, M.S.

17. Acute and chronic ethanol treatment in rats facilitates increased FMR1 expression via histone
    modifications in the Cerebellum.
    Russell S. Dulman, James Auta, Huaibo Zhang, Tara Teppen, and Subhash C. Pandey

18. Sensitivity to Uncertain Threat Is Exaggerated in Individuals with Alcohol Use Disorder and
    Associated with Their Drinking Behaviors and Motives.
    Kelsey M. Petrey, Kayla A. Kreutzer, K. Luan Phan, Stephanie M. Gorka

19. Gas translocation out of lipid rafts reveals distinct antidepressant signaling profiles and
    withdrawal effects.
    Nick Senese, Jeff Schappi, Mark Rasenick

20. The phenomenological construct of auditory verbal hallucination and delusions.
    Cherise Rosen PhD, Kayla A. Chase PhD, Jennifer K. Melbourne MA, Niyati Sudhalkar MS,
    Rajiv , P. Sharma MD

21. Histone modification in PBMC in schizophrenia and control subjects: in-vitro response to an
    HDAC inhibitor.
    Benjamin Feiner, Jennifer K. Melbourne, Niyati Sudhalkar, Cherise Rosen PhD, Rajiv P.
    Sharma , MD

22. Genome-Wide Transcriptional Changes in the Rat Hippocampus During Withdrawal From
    Chronic Alcohol Drinking Identifies Neuroimmune Signaling Disruptions.
    Wei-Yang Chen, Hu Chen, Ying Chen, Huaibo Zhang, Harish R. Krishnan, Chunyu Liu,
    Dennis R. Grayson, Subhash C. Pandey, and Amy W. Lasek

    Hu Chen and Amy W. Lasek

24. Altered Expression of Anaplastic Lymphoma Kinase (ALK) And Signal Transducer and
    Activator of Transcription 3 (STAT3) in the Hippocampus After Binge-Drinking.
    Kana Hamada and Amy W. Lasek

25. Binge Drinking Alters the Expression of the Orthodenticle Homeobox 2 (OTX2) Transcription
    Factor in the Ventral Tegmental Area.
    Cassandre Coles and Amy W. Lasek

26. Genome-wide methylation in alcohol use disorder subjects: implications for an epigenetic
    Regulation of the cortico-limbic glucocorticoid receptors (NR3C1).
    Eleonora Gatta, Dennis R. Grayson, James Auta, Erbo Dong, Ying Chen, Harish R.
    Krishnan, Vikram Saudagar, Jenny Drnevich, Subhash C. Pandey, Alessandro Guidotti

27. Expression profiling of histone deacetylases in post-mortem amygdala of control and Alcohol
    use disorder subjects.
    Tara L. Teppen, Svetlana Dzitoyeva, Subhash C. Pandey

28. Using ATAC-Seq to identify novel epigenetic networks in the amygdala that play a role in acute
    alcohol-induced anxiolysis.
    Harish R. Krishnan, Annie W. Shieh, Huaibo Zhang, Ying Chen, Tara L. Teppen, Chunyu Liu,
    Dennis R. Grayson & Subhash C. Pandey
29. Role Of Amygdaloid Calcitonin Gene-Related Peptide Signaling Pathways In Anxiety-Like And Alcohol Drinking Behaviors.
Vasundhara Macherla, Harish R. Krishnan, Subhash C. Pandey

30. Arc enhancer RNA is epigenetically suppressed in the amygdala following adolescent alcohol Exposure and confers adult anxiety susceptibility.
Evan J. Kyzar, Huaibo Zhang, and Subhash C. Pandey

31. The Long-Term Outcome of People with Schizophrenia Treated with Antipsychotic Medications: Relapse and Work Functioning.
Martin Harrow, Thomas Jobe, Robert Faull

32. Activation of estrogen receptor alpha enhances ethanol excitation of ventral tegmental area Neurons in female mice.
BJ Vandegrift, MS Brodie, & A.W. Lasek

33. EZH2 is an Epigenetic Regulator of Molecular Changes in the Amygdala Caused by Adolescent Alcohol Exposure in Humans and Rodents.
John Peyton Bohnsack, Huaibo Zhang, Tara Teppen, Evan Kyzar, Svetlana Dzitoyeva, Subhash C. Pandey

34. HDAC6 inhibitors as novel therapeutic targets for migraine.
Zachariah Bertels, Harinder Singh, Isaac Dripps, Pal Shah, Mark M Rasenick, Amynah A. Pradhan

35. Differential regulation of migraine-associated pain and negative affect by central and peripheral delta opioid receptors.
Isaac Dripps, Laura Moye, Alycia Tipton, Amynah Pradhan

36. Mental Health & Workforce Participation: Results from Focus Groups with Individuals with Serious Mental Illness in Evidence-Based Employment Services.
Paige Pickerl, MA; Ogo Okonkwor; Bunmi Oyewuwo-Gassikia, PhD; Pamela J. Steigman, MA; Lisa A. Razzano, PhD, CPRP; & Judith A. Cook, PhD

37. The Association Between Executive Functioning and the Polytrauma Clinical Triad in OEF/OIF/OND Veterans.

38. KCNK13 potassium channels control ethanol excitation of ventral tegmental area neurons of C57BL/6J mice.
Chang You, Antonia Savarese, Bertha J. Vandegrift, Donghong He, Subhash C. Pandey, Amy W. Lasek, Mark S. Brodie

Milena Radoman, K. Luan Phan and Stephanie M. Gorka

40. Epigenetic regulation and gene expression analysis of Glucocorticoid Receptor Exon 1F and FKBP5 in Teenage Suicide.

41. GABAA receptor subunit composition during ethanol withdrawal and neurosteroid modulation of GABA sensitivity of VTA neurons in brain slices.
M.S. Brodie, C.You, B.Vandegrift, H. Zhang, S. C. Pandey, AW Lasek

42. Differential Regulation of Cerebellar and Cortical Neuronal Nitric Oxide Synthase During Acute Ethanol-Induced Ataxia.
James Auta, Subhash C. Pandey, Alessandro Guidotti

43. Exploring the Role of DNA Methylation in Ethanol Withdrawal Related Anxiety in Rats.
Ryan Patwell, Huaibo Zhang, Subhash C. Pandey
44. Social Support Influences Psychosocial Functioning in Post-9/11 Service Members. Eric Proescher, Darrin Aase, Justin Greenstein, Holly Passi, Michael Krage, Robert Walters, Amanda Osborn, Paula Shepard, Kouri Akagi, Sabrina Everett, Christopher Schroth, K. Luan Phan

45. Lower-dimensional embedding induced by resting-state dynamics. Zachery Morrissey, Liang Zhan, Hyekyoung Lee, Johnson Keiriz, Angus Forbes, Olusola Ajilore, Alex Leow, Moo Chung

46. Alterations in NPTX2 Gene Expression in the Amygdala of Humans and Rodents after Chronic Ethanol Consumption. Rajangad Gurtatta, Vasundara Macherla, Harish Krishnan, Tara Teppen, Huaibo Zhang, Subhash Pandey

47. LncRNAs associated with heterochromatin function in Immune cells in schizophrenia subjects. Niyati Sudhalkar, Cherise Rosen, Jennifer K. Melbourne, Mi Rae Park, Kayla Chase, Rajiv P. Sharma

48. G9a-Mediated Regulation of Tolerance of the Anxiolytic Effects of Alcohol. Tiffani Berkel, Huaibo Zhang, Tara Teppen, Subhash Pandey

49. Amygdala Volume as a Predictor of Anxiety Symptom Improvement Following Cognitive Behavioral Therapy or Selective Serotonin Reuptake Inhibitor Treatment. Katie L. Burkhouse, PhD, Jagan Jimmy, MS, Bobak Hosseini, BS, Heide Klumpp, PhD, Olusola Ajilore, MD, Michelle G. Craske, PhD, Jennifer Francis, PhD, & K. Luan Phan, MD.

50. Neural Reactivity to Reward as a Predictor of Depressive Symptom Change in Anxious Youth Following Treatment. Shannon Karich, Katie Burkhouse, Kate Fitzgerald, Christopher Monk, K. Luan Phan

51. Attenuated response to ischemia in hippocampal slices from mice lacking the glutamate antipporter. Bradley Stavros Heit & John Larson

52. Real-time Assessment of Mood and Cognition with BiAffect. Alex Leow

53. Hormonal Contraceptive Users Exhibit Blunted Rewarding Effects Of Alcohol. Emma Childs, Joseph Lutz, Jessica Dearcangelis

54. Methamphetamine-paired contexts acquire incentive salience: a human CPP study. Hyerim Yang, Emma Childs, Joseph Lutz, Nia Sotto

55. Neurosteroidogenic and behavioral effects of S-fluoxetine are mediated by PPAR-α. Andrea Locci, Dario Aspesi, Graziano Pinna

56. Memory tasks and BDNF levels in the hippocampus of early life ethanol exposed mice. Locci V, Pandey SC, Gatta E, Guidotti A, Grayson DR

57. Assessing the efficacy of a second-generation antipsychotic monitoring program at the prevention of metabolic syndrome in children. DeFelice, Nicholas; Korniejczuk, Melissa; Mehta, Natasha; Francis, Catherine M.A.; Naylor, Michael M.D.; Paikoff-Holzmueller, Roberta PhD.

58. The Impact of Adverse Childhood Experiences and Community Violence Exposure on a Sample of Anxious, Seeking-Treatment Children. Roberto Lopez-Tamayo, Liza Suarez, Lauren Cox, & Kelley Volpe

59. The Association Between Family Pressure and Binge Eating in Racially Diverse Young Adult Women with Overweight or Obesity: Exploring the Role of Appearance Comparison. Yuchen Chen, Hayley Perelman, MS, MEd, Sylvia Herbozo, PhD, Alison Newman, PhD, ABPP, and Heather Eisele, PhD
60. Recovery Support: It’s Key to Our Success!
   Cheryl R. Farney

61. Stepped Care for Women's Mental Health in Primary Care in Tajikistan.
   Shrestha, A.D., Pirova, G., Cook, J.A., Miraliev, S., Langenecker, S.A., Polutnik Smith, C.,
   Weine, S.M.

62. The Interplay Between Parenting and Child Temperament in Associations with Children's Executive
   Function in Early Childhood.
   Jennifer H. Suor

63. Ethnicity and Body Mass Index as Moderators of the Relationship Between Appearance Pressures
   from Significant Others and General Appearance Satisfaction.
   Kevin Hsu, MS; Sylvia Herbozo, PhD; Lindsay Zasadzinski, BS; Dean Lim, MS; Krystal Badillo,
   BS

   Lauren Luther, Melanie W. Fischer, Annalee V. Johnson-Kwochka, and Michelle P. Salyers

65. The Differential Impact of Sociocultural Pressures on Eating Pathology in Diverse Young Adult
   Women.
   Krystal Badillo, BS, Sylvia Herbozo, PhD, Kelsey Tevik, and Dean Lim, MA

66. Inflexible Autonomic Responses to Sadness are Associated with Trait and State Rumination: A
   Multi-Level, Multi-Wave Study.
   Robbie Shepard, B.S., & Jonathan P. Stange, Ph.D.

67. Proinflammatoary cytokines expression in the teenage suicide brain.
   Xinguo Ren, M.D., Hooriyah S. Rizavi, M.S., Hui Zhang, Ph.D., Ghanshyam N. Pandey, Ph.D.

   Ying Chen, Harish R Krishnan, Syeda Rizvi, Huaibo Zhang, Chunyu Liu, Subhash C Pandey &
   Dennis R Grayson

69. A randomized, placebo-controlled trial of add-on estradiol patches for women of child-bearing age
   with schizophrenia.
   John M. Davis and Timothy Ryan (UIC) with Mark Weiser, Linda Levi, Anat Biegon, John Paul
   SanGiovanni, Michael Davidson, Shimon Burshtein, Ilan Gonen, Paul Radu, Rina Hemi, Daisy
   Zamora

70. Maximally efficacious and equivalent doses for second generation antipsychotics: dose-response
   meta-analysis.
   Davis John M, Leucht, S, Crippa A, Orsini N

71. Neural Reactivity to Emotion During Working Memory Predicts and Relates to Anxiety Improvement
   following Treatment.
   Kerry L. Kinney, Katie L. Burkhouse, Heide Klumpp, Annmarie MacNamara, Olusola Ajilore,
   Jennifer Francis, Michelle G. Craske, K. Luan Phan

72. Case Control Study of Suicide Attempt Among Young Women in Tajikistan.
   Agata Parfieniuk, Barakatullo Niyozov, Jonbek Jonbekov, Chloe Polutnik, Stevan Weine

73. Could a blood test for PTSD and depression be on the horizon?
   Dario Aspesi, Graziano Pinna

74. Individual Differences in Neural Measures of Reward Reactivity and Circuitry: A Combined EEG-
    fMRI Study.
   Natania A. Crane, Katie L. Burkhous, Kaveh Afshar, Stephanie M. Gorka, and K. Luan Phan

75. Neural Activation to Monetary Reward is Associated with Amphetamine Reward Sensitivity.
   Natania A. Crane, Stephanie M. Gorka, Jessica Weaver, Scott A. Langenecker, Harriet de Wit,
   and K. Luan Phan
76. Influence of Δ9-tetrahydrocannabinol on fear extinction learning, short- and long-term extinction memory retention.
Hammoud MZ, Peters C, Hatfield JRB, Gorka SM, Phan KL, Rabinak CA, Milad MR

77. Unconditioned responses in women dictate impact of exogenous estradiol administration on fear extinction memory.
Mira Z Hammoud, Virginia Rodriguez, Kaveh Afshar, Kayla Kreutzer, Alyssa Frederick, Jagan Jimmy, K Luan Phan, Mohammed R Milad

78. Defining "normal" fear biology within the diagnosed and undiagnosed in the anxious human.
Mira Z Hammoud, Jie Yang, Alex Leow, K. Luan Phan, Heide Klumpp, Marie-France Marin, and Mohammed R Milad

79. Maternal stress and prenatal SSRI exposure effects on repetitive behaviors and synaptic plasticity in adult male and female offspring.
Anna L Arzuaga, Michael E Ragozzino, Ph.D., John Larson, Ph.D.

80. A role for mPFC inputs to the RMTg in aversive signaling: implications for addiction.
EJ Glover, EM Starr, MJ McDougle, WN Wayman, JJ Woodward, LJ Chandler

81. Inhibition of the rostromedial tegmental nucleus reverses withdrawal-induced negative affect.
EJ Glover, EM Starr, Y Chao, TC Jhou, LJ Chandler

82. Effects of Vasomotor Symptoms on Cognition Among Women Receiving Estrogen Therapy for Breast Cancer.
Fogel, JS; Cisak, A; Bark, JS; Kilic E; Dowty S; Maki PM

83. Membrane localized tubulin shows decreased β-tubulin acetylation in postmortem brain tissue from Depressed suicides: cytoskeletal dynamics and depression.
Harinder Singh, Ph.D, Justyna Chmura, Runa Bhaumik, Ph.D, Ghanshyam N. Pandey, Ph.D, Mark M. Rasenick, Ph.D.

84. Sex differences in fear conditioning, extinction learning, and recall in a cohort diagnosed with Social and General Anxiety Disorders.
Husna Sajid, Mira Z Hammoud, Mohammed R Milad

85. Frontoparietal Cognitive Control Subtypes in Anxiety and Depression and Threat Processing.
Jagan Jimmy, Alex Leow, Heide Klumpp

86. Effect of exogenous administration of estradiol on resting-state functional connectivity in women.

87. Adenylyl cyclase VI is required for SERT-independent antidepressant effects in glial cells: A potential screen for novel antidepressants that incorporates hysteresis between onset of treatment and therapeutic efficacy.
Jeffrey Schappi, Andrew Czysz, Samuel Erb, and Mark Rasenick

88. Night Sweats, Sleep, and Cognition in Breast Cancer Survivors: A Contributor to "Brain Fog"?
John S. Bark, Jessica S. Fogel, Ece Kilic, Shannon Dowty, Rachel Horwitz, Pauline M. Maki

89. Factors Associated with 30-day Readmissions for Chronic Medical Conditions Among Patients with Co-Occurring Serious Mental Illness.
Joni Weidenaar, Caitlin C. Authier, Lorenzo A. Washington, Emma Villarreal, Ogochukwu Okonkwar, Jane K. Burke-Miller, Judith A. Cook

90. Neurophysiological Processing of Negative Words in Offspring of Depressed Mothers.
Kaveh Afshar, B.A., Shannon Karich, B.A., K. Luan Phan, M.D., & Katie Burkhouse, Ph.D.

91. Clock Drawing Performance is Associated with Severity of Catatonia.
Medina M, Thurin K, Cooper, JJ
92. Technology-Based Behavioral Vaccine (CATCH-IT): 12 Months Outcome of a Population-Based Approach to Prevent Adolescent Depression in Primary Care Settings.  
Miae Lee, MD, Sarah A de Forest, MS, Linda Schiffer, MS, Monika Marko-Holguin, MSS, Benjamin Van Voorhees, MD, MPH

93. Graph theory based analysis of structural connectomic correlates of treatment response in a transdiagnostic sample.  
Paul J Thomas, Olusola Ajilore, K. Luan Phan

94. Antidepressant-like effect of polyunsaturated fatty acids in lymphoblasts from depressed human Subjects.  
Phatcharee Chukaew, Jeffrey Schappi, Athanasia Koutsouris and Mark M. Rasenick

95. Pediatric Electroconvulsive Therapy in Three Cases of Anti-NMDA Receptor Encephalitis.  
Rosenberger R, Manoharan B, Thurin K, Boeke A, Coppes L, Medina M, Afzal K, Cooper JJ

96. Impaired Biophysical Integrity of the Default Mode Network in Major Depression.  
Shaolin Yang, Minjie Wu, Olusola Ajilore, Anand Kumar

Srinivas Panchamukhi, Paul Thomas, K. Luan Phan

98. Collaboration with Urban Community Stakeholders:  
Tara G. Mehta, Ph.D., Davielle Lakind, PhD, Dana Rusch, Ph.D., Angela L. Walden, Ph.D., Grace Cua, M.A., Marc S. Atknis, Ph.D.

99. Utility of sub-anesthetic dosing of ketamine in augmenting antidepressant effects of ECT.  
Thurin K, Medina M, Cooper JJ

100. Perimenstrual Steroid Stabilization Prevents Exacerbation of Suicide Risk Factors from the Inter Personal-Psychological Theory.  
Madeline Divine & Tory Eisenlohr-Moul, Ph.D.
THANK YOU

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FOR COMING!