

Translational Review of Mood Disorders and Addiction 2015

Thursday, October 29 – Saturday, October 31, 2015

Loews Minneapolis Hotel, Minneapolis, MN

Thursday, October 29, 2015

Mood Session #1

Chair: *Doo-Sup Choi, Ph.D.*

- 8:00 a.m. Continental Breakfast
- 9:00 Genomic & Metabolomic Predictors of Antidepressant Response
Richard Weinshilboum, M.D.
- 9:45 Translation of Pharmacodynamic/Kinetic Genetic Variation into Clinical Practice
Mark A. Frye, M.D.
- 10:30 Break
- 10:45 Modeling Antidepressant Treatment Resistance
Susannah J. Tye, Ph.D.
- 11:15 Inflammation & Mood: Brain Imaging & Clinical Correlates
David Bond M.D., Ph.D.
- 11:45 Q/A and Clinical Case (pre-clinical and clinical commentary)
Drs. Weinshilboum, Frye, Tye, and Bond
- 12:45 p.m. Lunch (On your own)

Addiction Session #1

Chair: *Susannah J. Tye, Ph.D.*

- 1:45 p.m. Dopamine Signaling in Addictive Behaviors
Rueben Gonzales, Ph.D.
- 2:30 Neurobiology of drug-induced plasticity and addiction
Mark Thomas, Ph.D.
- 3:00 Neurobiology of Cocaine Addiction and Ghrelin Imbalance
William (Stephen) Brimijoin, Ph.D.
- 3:30 Break
- 3:45 Brain Networks of Relapse in Addiction
Kelvin O. Lim, M.D.
- 4:15 Translational Strategies to Advance Medications to Treat Alcohol Use Disorder
Raye Z. Litten, Ph.D.
- 5:00 Q/A and Clinical Case (pre-clinical and clinical commentary)
Drs. Gonzales, Thomas, Lim, Brimijoin and Litten
- 5:30 Reception, Poster Session
- 6:30 p.m. Adjourn

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Friday, October 30, 2015

Mood Session #2:

Chair: *Doo-Sup Choi, Ph.D.*

- 8:00 a.m. Continental Breakfast
- 9:00 Mitochondrial Dysregulation in Bipolar Disorder & Schizophrenia
Ana C. Andreazza, PharmD, Ph.D.
- 9:45 Epigenetic Regulation of the Neuron Synapse Glial Cell Interface
Marin Veldic, M.D.
- 10:15 Bipolar Disorder Genetic Variation
Joanna M. Biernacka, Ph.D.
- 10:45 Break
- 11:00 Translational Epidemiology in Mood Disorders
William V. Bobo, M.D.
- 11:30 Q/A and Clinical Case (pre-clinical and clinical commentary)
Drs. Andreazza, Veldic, Biernacka, and Bobo
- 12:30 p.m. Award Presentation for Pre-clinical and Clinical Posters
- 12:45 Lunch (On your own)

Addiction Session #2

Chair: *Susannah J. Tye, Ph.D.*

- 1:45 p.m. Neurogenetics and Alcoholism
David Goldman, M.D.
- 2:30 Genetics in Alcohol Dependence and Treatment Outcome
Joanna M. Biernacka, Ph.D.
- 3:00 Genomic Correlates of Alcohol Withdrawal and Craving
Victor M. Karpyak, M.D., Ph.D.
- 3:30 Break
- 3:45 Preclinical Biomarkers and Functional Studies of Addiction
Doo-Sup Choi, Ph.D.
- 4:15 Q/A and Clinical Case (pre-clinical and clinical commentary)
Drs. Goldman, Biernacka, Karpyak, and Choi
- 5:15 p.m. Adjourn

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Chair: Mark A. Frye, M.D.

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| 8:00 a.m. | Continental Breakfast |
| 9:00 | Brain Derived Neurotrophic Factor (BDNF): Pre-clinical & Clinical Biomarker
<i>Flavio Kapczinski, M.D., Ph.D.</i> |
| 9:45 | Ketamine in Depression
<i>Jennifer Vande Voort, M.D.</i> |
| 10:15 | Break |
| 10:30 | Functional Brain Imaging in Adolescent Depression
<i>Kathryn Cullen, M.D.</i> |
| 11:00 | Deep Brain Stimulation For Depression: Next Steps?
<i>Mark A. Frye, M.D.</i> |
| 11:30 | Q/A and Clinical Case (pre-clinical and clinical commentary)
<i>Drs. Kapczinski, Frye, Cullen, and Vande Voort</i> |
| 12:30 p.m. | Course Review & Closing Remarks
<i>Drs. Frye, Choi, and Tye</i> |
| 12:40 p.m. | Adjourn |

Program schedule is subject to change without notice.