Translational Review of Mood Disorders and Addiction

Course Directors
Doo-Sup Choi, Ph.D.
Professor of Pharmacology & Psychiatry
Director of the Samuel C. Johnson Genomics of Addiction Program

Mark A. Frye, M.D.
Professor and Chair
Department of Psychiatry & Psychology
Director, Mayo Clinic Depression Center

Susannah J. Tye, Ph.D.
Assistant Professor of Psychiatry & Psychology
Director, Translational Neuroscience Laboratory

October 29-31, 2015
Loews Minneapolis Hotel • Minneapolis, MN

REGISTER NOW!
Registration and additional course information can be found on our NEW course website:
https://ce.mayo.edu/psychiatry-and-psychology/node/2815
Course Description
The Translational Review of Mood Disorders and Addiction course will provide a wide-ranging overview of basic, translational and clinical research in mood and addiction. In clinical practice, mood and addiction disorders are two of the most prevalent psychiatric conditions with a high rate of illness morbidity and comorbidity. Available treatments, however, often fall short of remission or recovery mainly due to the heterogeneous nature of the disease presentation. We can better personalize or individualize treatments through translational research in psychiatry.

Course Learning Objectives
Upon conclusion of this program, participants should be able to:

• Participants will be able to define current and updated clinical treatment options for mental and addiction disorders
• Assess the most up to date scientific findings and the future directions for mental and addiction disorders
• Differentiate between current experiences in clinical practices and research and best practice

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Intended Audience
This course is targeted to clinicians and scientists (i.e. MDs and PhDs), with a particular emphasis on informing the next generation of investigators in mood and addiction psychiatry. Poster sessions will enable participants to share new research and engage with faculty for personalized feedback on optimizing the translational impact of their work.

Date and Location
The Translational Review of Mood Disorders and Addiction is held October 29-31, 2015. Course headquarters are located in Loews Minneapolis Hotel, Minneapolis, MN.

Credit
Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 16.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

APA – The Department of Psychiatry and Psychology at Mayo Clinic, Rochester is approved by the American Psychological Association to sponsor continuing education credits for psychologists. The Department of Psychiatry and Psychology at Mayo Clinic, Rochester maintains responsibility for this program and its content.

AOA – This program has been accredited by the American Osteopathic Association for 16.5 credits of AOA Category 2-A.

Other Health Care Professionals – A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Registration
To register online, visit https://ce.mayo.edu/psychiatry-and-psychology/node/2815
The registration fee includes tuition, electronic course syllabus, continental breakfasts and break refreshments. Although it is not Mayo School of Continuous Professional Development (CPD) policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A letter of confirmation will be sent upon receipt of payment and completed registration form.

Registration Fees
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<th>Physician/Scientists</th>
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<td>On/before 09/28/2015</td>
<td>$675</td>
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Cancellation Policy

If you cancel your participation in this course, your registration fee, less a $75 administrative fee, will be refunded when written notification is received by Mayo School of CPD on/before October 14, 2015 (cme-jax@mayo.edu or fax#: 904-956-3096). No refunds will be made after October 14, 2015. Canceled registrations are non-transferable.

Mayo School of CPD reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo School of CPD must cancel or postpone this course, Mayo School of CPD will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.

For additional information, contact:
Mayo School of Continuous Professional Development
Website: ce.mayo.edu
E-mail: cme-jax@mayo.edu
Phone: 800-462-9633
Fax: 904-956-3096

PROGRAM SCHEDULE

Thursday, October 29, 2015

Mood Session #1
Chair: Doo-Sup Choi, Ph.D.
8:00 a.m. Continental Breakfast
9:00 a.m. Genomic & Metabolomic Predictors of Antidepressant Response Richard Weinshilboum, M.D.
9:45 a.m. Translation of Pharmacodynamic/Kinetic Genetic Variation into Clinical Practice Mark A. Frye, M.D.
10:30 a.m. Break
10:40 a.m. Modeling Antidepressant Treatment Resistance Susannah J. Tye, Ph.D.
11:15 a.m. Ketamine in Depression Jennifer Vande Voort, M.D.
11:45 a.m. Q/A and Clinical Case (pre-clinical and clinical commentary) Drs. Weinshilboum, Frye, Tye, and Vande Voort
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 p.m. Neurobiology of drug-induced plasticity and addiction Mark Thomas, Ph.D.
3:00 p.m. Neurobiology of Cocaine Addiction and Ghrelin Imbalance William (Stephen) Brimijoin, Ph.D.
3:30 p.m. Break
3:45 p.m. Brain Networks of Relapse in Addiction Kelvin O. Lim, M.D.
4:15 p.m. Translational Strategies to Advance Medications to Treat Alcohol Use Disorder Raye Z. Litten, Ph.D.
5:00 p.m. Q/A and Clinical Case (pre-clinical and clinical commentary) Drs. Gonzales, Thomas, Lim, Brimijoin and Litten
5:30 p.m. Reception, Poster Session
6:30 p.m. Adjourn

Friday, October 30, 2015

Mood Session #2:
Chair: Doo-Sup Choi, Ph.D.
8:00 a.m. Continental Breakfast
9:00 a.m. Mitochondrial Dysregulation in Bipolar Disorder & Schizophrenia Ana C. Andreazza, PharmD, Ph.D.
9:45 a.m. Epigenetic Regulation of the Neuron Synapse Glial Cell Interface Marin Veldic, M.D.
10:15 a.m. Bipolar Disorder Genetic Variation Joanna M. Biernacka, Ph.D.
10:45 a.m. Break
11:00 a.m. Translational Epidemiology in Mood Disorders William V. Bobo, M.D.
11:30 a.m. 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 p.m. 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 p.m. Genetics in Alcohol Dependence and Treatment Outcome
Joanna M. Biernacka, Ph.D.

3:00 p.m. Genomic Correlates of Alcohol Withdrawal and Craving
Victor M. Karpyak, M.D., Ph.D.

3:30 p.m. Break

3:45 p.m. Preclinical Biomarkers and Functional Studies of Addiction
Doo-Sup Choi, Ph.D.

4:15 p.m. Q/A and Clinical Case (pre-clinical and clinical commentary)
Drs. Goldman, Biernacka, Karpyak, and Choi

5:15 p.m. Adjourn

Saturday, October 31, 2015
Chair: Mark A. Frye, M.D.

8:00 a.m. Continental Breakfast

9:00 a.m. Brain Derived Neurotrophic Factor (BDNF): Pre-clinical & Clinical Biomarker
Flavio Kapczinski, M.D., Ph.D.

9:45 a.m. Inflammation & Mood: Brain Imaging & Clinical Correlates
David Bond M.D., Ph.D.

10:15 a.m. Break

10:30 a.m. Functional Brain Imaging in Adolescent Depression
Kathryn Cullen, M.D.

11:00 a.m. Deep Brain Stimulation For Depression: Next Steps?
Mark A. Frye, M.D.

11:30 a.m. Q/A and Clinical Case (pre-clinical and clinical commentary)
Drs. Kapczinski, Frye, Cullen, and Bond

12:30 p.m. Course Review & Closing Remarks
Drs. Frye, Choi, and Tye

12:40 p.m. Adjourn

Program schedule is subject to change without notice.

Faculty

Mayo Faculty
Joanna M. Biernacka, Ph.D.
Associate Professor of Biostatistics and Psychiatry

William V. Bobo, M.D.
Associate Professor of Psychiatry

William (Stephen) Brimijoin, Ph.D.
Professor of Pharmacology

Victor M. Karpyak, M.D., Ph.D.
Assistant Professor of Psychiatry

Jennifer L. Vande Voort, M.D.
Assistant Professor of Psychiatry

Marin Veldic, M.D.
Assistant Professor of Psychiatry

Richard Weinschilboum, M.D.
Professor of Medicine and Pharmacology

Guest Faculty
Ana C. Andreazza, PharmD, Ph.D.
Assistant Professor of Psychiatry
University of Toronto

David Bond, M.D., Ph.D.
Associate Professor of Psychiatry
University of Minnesota

Guest Faculty - continued
Kathryn Cullen, M.D.
Associate Professor of Psychiatry
University of Minnesota

Rueben Gonzales, Ph.D.
Jacques P. Servier Reagents Professor of Pharmacology Toxicology
University of Texas Austin

David Goldman, M.D.
Section Chief
National Institute on Alcohol Abuse and Alcoholism

Flavio Kapczinski, M.D., Ph.D.
Professor, Federal University
Porto Alegre, Brazil

Kelvin O. Lim, M.D.
Professor of Psychiatry
University of Minnesota

Raye Z. Litten, Ph.D.
Associate Director
National Institute on Alcohol Abuse and Alcoholism

Mark Thomas, Ph.D.
Associate Professor of Neuroscience
University of Minnesota
Faculty Disclosure
As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, 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.

National Physician Payment Transparency Program
Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).

Travel and Lodging Accomodations
Loews Minneapolis Hotel
601 1st Avenue North
Minneapolis, MN 55403
877-878-5670

Course headquarters are located at Loews Minneapolis Hotel, located in the heart of downtown Minneapolis, minutes from the city’s best shopping and entertainment and within walking distance to Fortune 500 companies via Skyway. A block of guest rooms, single/double occupancy are reserved for attendees and their guests at the group rate of $159 per night, plus tax. Call for reservations at 877-878-5670 and identify yourself as a participant of the Mayo Clinic Translational Review of Mood Disorders and Addiction course or reserve online at https://www.loewshotels.com/minneapolis-hotel/Mayo-Clinic-Mood-Addiction?corpcode=MYO1104 Early reservations are recommended due to the limited number of rooms available. Check-in time is after 4 p.m. and check-out time is before noon. Parking charges are subject to change without notice. Valet parking is available at a rate of $28 per day, maximum based upon availability. Minneapolis-St. Paul International Airport (MSP) is located 30 minutes from the Loews Minneapolis Hotel.

Lodging arrangements are the sole responsibility of the individual registrant.

Mayo School of CPD is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

You may also wish to visit www.exploreminnesota.com for recreation and leisure activities.

Abstracts
On behalf of the Mayo School of Continuous Professional Development, and the Translational Review of Mood Disorders and Addiction 2015 course planning committee, you are invited to submit abstracts on your psychiatry/psychology practice, education or research initiatives for presentation at our opening day course poster reception on Thursday, October 29, 2015, 5:30-6:30 p.m. Posters should relate to preclinical and clinical new research in mood and addiction and may include guidelines, randomized trials, outcome studies, practice innovations, or descriptive analyses.

Scholarships will be awarded to graduate students, medical students, postdoctoral fellows, and physicians-in-training whose abstracts are accepted for presentation. The scholarship consists of a reduced registration fee for those chosen to present. All abstract submitters will also be considered for the top three Best Abstract Award(s). Submit your abstract by Monday, August 31, 2015. Details regarding the abstract submission and awards can be found at: https://ce.mayo.edu/psychiatry-and-psychology/node/2815