Mayo School of Continuing Medical Education

4th Annual
Psychiatric Pharmacogenomics
February 7–9, 2010

The Mauna Lani Bay Hotel

SPECIAL LECTURE
Distinguished Visiting Professor
of Pharmacology
Richard Weinshilboum, M.D.
COURSE DESCRIPTION
This course will teach clinicians how to use new biotechnological tools to assist in the choice of the right medicine at the right dose for the right patient. Some of the biotechnologies discussed will be Cytochrome P450 testing, neuroimaging, and understanding genes involved in the metabolic pathways of various psychotropic drugs.

COURSE LEARNING OBJECTIVES
Upon conclusion of this program, participants should be able to:

• Describe the basic principles of molecular genetic testing.
• Interpret pharmacogenomic testing for psychotropic medications.
• Identify the ethical, legal and social issues that are relevant when conducting genetic testing.
• Recognize the clinical benefits of pharmacogenomic testing for the management of pharmacotherapy in a clinical psychiatric 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
Psychiatrists, Psychologists, Psychiatric Nurses, Physician Assistants, Nurse Practitioners and Clinical Nurse Specialists.

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 educational activity for a maximum of 21.75 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

DATE AND LOCATION
Psychiatric Pharmacogenomics will be held February 7-9, 2010. Course headquarters will be located outside the Mauna Lani Lanai Ballroom with registration starting Sunday, February 7th at 6:30 a.m.

REGISTRATION
To register online, visit http://mayoweb.mayo.edu/cme/feb2010.html, or complete the attached registration form and return by mail or fax. The registration fee includes tuition, comprehensive electronic course syllabus, continental breakfasts, and refreshments. Although it is not Mayo School of CME 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. Please present the confirmation letter when checking in at the meeting registration desk.

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 CME before January 13, 2010 (fax#: 507-284-0532). No refunds will be made after January 13, 2010.

Mayo School of CME reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo School of CME must cancel or postpone this course, Mayo School of CME 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.

LODGING ACCOMMODATIONS
Hotel reservations are the sole responsibility of the individual registrant. The Mauna Lani Resort (meeting headquarters) includes the luxurious Mauna Lani Resort, Mauna Lani Spa and the Francis H I'I Brown Golf Courses. Mauna Lani is renowned for its long-standing devotion to preserving and enhancing the cultural history of Hawaii.

The Mauna Lani Resort extends the following excellent group rate per room per night to course participants and their families: Run of the Ocean View $279.00.

Service charges and taxes are not included in the above mentioned rate.
Reservations can be made by identifying yourself as a participant in the Mayo Clinic “Psychiatric Pharmacogenomics” course.
To make a reservation please call 1-800-367-2323.

Please note that sleeping rooms are limited, and you are encouraged to make your reservations early.

Check-In Time is 3:00 PM, Check-Out Time is 12:00 PM.

The above discounted rates are also available from February 6th – February 9th, 2010. Group rates are available three (3) days pre and post of contracted dates, based on group rate availability.

**FACULTY DISCLOSURE**
As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of CME) 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.

**FACULTY**

**Course Director**
David A. Mrazek, M.D., F.R.C.Psych.

**Course Co-Directors**
John L. Black III, M.D.
Brett A. Koplin, M.D.

**Mayo Faculty**
John L. Black III, M.D.
Victor M. Karpuyak, M.D., Ph.D.
Barbara A. Koenig, Ph.D.
Brett A. Koplin, M.D.
David A. Mrazek, M.D.
Dennis J. O’Kane, Ph.D.
Richard Weinshilboun, M.D.
Eric D. Wieben, Ph.D.

**Distinguished Guest Faculty**
James T. McCracken, M.D.
Professor in Residence and Director Division of Child and Adolescent Psychiatry
UCLA Neuropsychiatric Institute and Hospital

James Kennedy, M.D.
Professor, Department of Psychiatry University of Toronto
Toronto, Ontario, Canada

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**FUTURE MAYO CLINIC DEPARTMENT OF PSYCHOLOGY CME OPPORTUNITIES:**

**Pain Management: A State-of-the-Art Course in Pain Management for the Non-Pain Specialist**
March 4-6, 2010
Marco Island Marriott, Florida

**Psychiatric Genomics: Application for Clinical Practice**
August 9-13, 2010
Rochester, Minnesota

**Acute Care Psychiatry Clinical Review**
October 21-23, 2010
The Palace Hotel San Francisco, California
Sunday, February 7, 2010
6:30 – 7:30 a.m.  Registration and Continental Breakfast
7:30 – 7:45 a.m.  Welcome and Overview of the Day
   David A. Mrazek, M.D., F.R.C.Psych
7:45 – 9:15 a.m.  Molecular Genetic Review
   Eric D. Wieben, Ph.D.
9:15 – 10:00 a.m.  Molecular Genetic Testing
   Dennis J. O’Kane, Ph.D.
10:00 – 10:15 a.m.  Break
10:15 – 11:00 a.m.  Cytochrome P450 Drug Metabolizing Genes
   David A. Mrazek, M.D., F.R.C. Psych.
11:00 – 11:45 a.m.  The Transporter Genes
   James Kennedy, M.D.
11:45 – 12:30 p.m.  The Serotonin Receptor Genes
   John L. Black III, M.D.
12:30 – 12:45 p.m.  Break
12:45 – 1:30 p.m.  Dopamine Receptor Genes
   James T. McCracken, M.D.
1:30 – 2:30 p.m.  Lunch
2:30 – 4:00 p.m.  Review of Morning Presentations and Discussion Session
4:00 p.m.  Adjourn
6:00 p.m.  Welcome Reception

Monday, February 8, 2010
6:30 – 7:30 a.m.  Registration and Continental Breakfast
7:30 – 7:45 a.m.  Welcome and Overview of the Day
   David A. Mrazek, M.D., F.R.C.Psych.
7:45 – 8:30 a.m.  Ethical, Legal and Social Issues of Pharmacogenetics
   Barbara A. Koenig, Ph.D.
8:30 – 9:15 a.m.  Pharmacogenomics of Antidepressant Medications
   David A. Mrazek, M.D., F.R.C. Psych.
9:15 – 10:00 a.m.  Pharmacogenomics of Antipsychotic Medications
   John L. Black, III, M.D.
10:00 – 10:15 a.m.  Break
10:15 – 11:00 a.m.  Pharmacogenomic Issues in the Treatment of ADHD
   James T. McCracken, M.D.
11:00 – 11:45 a.m.  Pharmacogenomics of Issues in the Treatment of Substance Abuse
   Victor Karpyak, M.D.
11:45 – 12:30 p.m.  Pharmacogenomics of Mood Stabilizers
   James Kennedy, M.D.
12:30 – 1:30 p.m.  Distinguished Visiting Professor of Pharmacology
   Richard Weinshilboum, M.D.
1:30 – 2:30 p.m.  Lunch
2:30 – 4:00 p.m.  Review of Morning Presentations and Discussion Group
4:00 p.m.  Adjourn

Tuesday, February 9, 2010
6:30 – 7:30 a.m.  Registration and Continental Breakfast
7:30 – 7:45 a.m.  Welcome and Overview of the Day
   David A. Mrazek, M.D., F.R.C.Psych.
7:45 – 8:30 a.m.  New Research Findings in Psychiatric Pharmacogenomics
   James Kennedy, M.D.
8:30 – 9:15 a.m.  New Advances in High Throughput Genotyping
   Eric D. Wieben, Ph.D.
9:30 – 10:30 a.m.  New Advances in the Clinical Laboratory Testing
   Dennis J. O’Kane, Ph.D.
10:30 – 11:15 a.m.  Clinical Case Workshop
   Brett A. Koplin, M.D.
11:00 – 11:45 a.m.  The Development of Genetic Databases
   Barbara A. Koenig, Ph.D.
11:45 – 12:00 p.m.  Questions
12:00 – 12:45 p.m.  Future Applications and Implications of Clinical Genotyping
   David A. Mrazek, M.D., F.R.C.Psych.
1:30 p.m.  Aloha
### Registration Form

**4th Annual Psychiatric Pharmacogenomics**  
Mauna Lani Bay Hotel  
February 7–9, 2010 • 68-1400 Mauna Lani Drive • Kohala Coast, HI 96743

**Mail form and payment to:**  
Mayo School of Continuing Medical Education  
Plummer 2-60  
200 First Street SW  
Rochester, MN 55905  
Phone 800-323-2688 or 507-284-2509  
FAX 507-284-0532  
E-mail cme@mayo.edu  
Web site www.mayo.edu/cme

**REGISTRATION FORM 2010R619**

**Registration on-line at** [http://mayoweb.mayo.edu/cme/feb2010.html](http://mayoweb.mayo.edu/cme/feb2010.html)

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**Contact Information**

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**If you have special assistance needs or dietary restrictions, describe here:**

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**Registration**

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**Welcome Reception, Sunday, February 7, 2010**  
(Attendee price only is included in the registration fee.)

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**Registration Fee (includes electronic course syllabus):**

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<td>Printed Course Syllabus</td>
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**Payment Information**

☐ Check is enclosed in the amount shown at right - make checks payable to Mayo Clinic  
☐ Discover ☐ MasterCard ☐ Visa  
Name of Cardholder – as it appears on the card  
Signature of Cardholder – required
4th Annual

Psychiatric Pharmacogenomics

February 7–9, 2010

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1-800-367-2323