Course Description:
This course will assist clinicians in learning 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 and understanding the genes involved in the metabolic pathways of various psychotropic drugs.

A special room rate of $269 has been secured for course attendees. To make reservations please call 1-800-367-2323. Please visit www.mayo.edu/cme/ for more information or contact the Mayo School of Continuous Professional Development by telephone at 800-323-2688 or by email at cme@mayo.edu.
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COURSE DESCRIPTION
This course will assist clinicians in learning 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, and other physicians, Psychologists, Psychiatric Nurses, Physician Assistants, Nurse Practitioners and Clinical Nurse Specialists will benefit from attending this course.

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 before January 14, 2011. (fax#: 507-284-0532). No refunds will be made after January 14, 2011. 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.

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

College of Medicine, Mayo Clinic designates this educational activity for a maximum of 20.00 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
LODGING ACCOMMODATIONS
The Mauna Lani Resort (meeting headquarters), on the Big Island of Hawaii includes the luxurious 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: $269.00
Garden View: $235.00

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 to avoid disappointment. Hotel reservations are the sole responsibility of the individual registrant.

Group rates are available three (3) days before and after the meeting dates, based on group rate availability.

FACULTY DISCLOSURE
As a provider accredited by ACCME, College of Medicine, Mayo Clinic (Mayo School of CPD) 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-Director
John L. Black III, M.D.

Mayo Faculty
John L. Black III, M.D.
Victor M. Karpyak, M.D., Ph.D.
Barbara A. Koenig, Ph.D.
David A. Mrazek, M.D., F.R.C.Psych.
Dennis J. O’Kane, Ph.D.
James R. Rundell, M.D.
Richard Weinshilboum, M.D.
Eric D. Wieben, Ph.D.

Distinguished Guest Faculty
Russ B. Altman, M.D., Ph.D.
Professor of Bioengineering, Genetics and Medicine
Stanford University
Stanford, California

James T. McCracken, M.D.
Professor of Child Psychiatry and Director of the Division of Child and Adolescent Psychiatry
UCLA NPI-Semel Institute in Los Angeles

James Kennedy, M.D.
Professor, Department of Psychiatry
University of Toronto
Toronto, Ontario, Canada
SUNDAY, FEBRUARY 6, 2011

6:30 – 7:30 a.m. Registration and Continental Breakfast
7:30 – 7:45 a.m. Welcome and Overview
    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. Cytochrome P450 Drug Metabolizing Genes
    David A. Mrazek, M.D., F.R.C.Psych.
10:00 – 10:15 a.m. Break
10:15 – 11:00 a.m. Molecular Genetic Testing
    Dennis J. O’Kane, Ph.D.
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

TUESDAY, FEBRUARY 8, 2011

6:30 – 7:30 a.m. Registration and Continental Breakfast
7:30 – 7:45 a.m. Welcome and Overview
    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 – 8:45 a.m. Questions
8:45 – 9:15 a.m. New Advances in High Throughput Genotyping
    Eric D. Wieben, Ph.D.
9:15 – 9:30 a.m. Questions
9:30 – 10:00 a.m. New Advances in the Clinical Laboratory Testing
    Dennis J. O’Kane, Ph.D.
10:00 – 10:15 a.m. Questions
10:15 – 10:30 a.m. Break
10:30 – 11:15 a.m. The Development of Genetic Databases
    Barbara A. Koenig, Ph.D.
11:15 – 11:30 a.m. Questions
11:30 – 12:00 p.m. Introductions to PharmGKB
    Russ B. Altman, M.D., Ph.D.
12:00 – 12:45 p.m. Pharmacogenomic Testing in Routine Clinical Practice: Lessons Learned from an Outpatient Psychiatry Practice
    James R. Rundell, M.D.
12:45 – 1:30 p.m. Future Directions for Pharmacogenomics and Pharmacometabolomics
    Richard Weinshilboum, M.D.
1:30 p.m. Aloha
**REGISTRATION FORM**

*5th Annual Psychiatric Pharmacogenomics*

Mauna Lani Bay Hotel

February 6–8, 2011 • 68-1400 Mauna Lani Drive • Kohala Coast, HI 96743

**Mail form and payment to:**
Mayo School of Continuous Professional Development
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

Register on-line at www.mayo.edu/cme

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**Contact Information**

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**SPECIAL NEEDS**

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

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**Registration**

Type of credit that you are interested in receiving:  □ AMA/PRA Category 1™

**Welcome Reception, Sunday, February 6, 2011**

(Attendee price only included in the registration fee.)

I plan to attend – Yes ______ No ______
I will bring a guest(s) – Yes ______ No ______
(Guest Fee Listed Below)
Total number attending – ______

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

Physicians/Scientists – $650 $ ________
Physician Assistants and Nurse Practitioners – $525 $ ________
Reception Guest Fee: $50 x ______ = $ ________
Total Payment Enclosed $ ________

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**Payment Information**

[ ] Check is enclosed in the amount shown at right - make checks payable to Mayo Clinic

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Name of Cardholder – as it appears on the card
Signature of Cardholder - required

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