Toxicology and Therapeutic Drug Monitoring Conference

April 9 & 10, 2009
Mayo Clinic • Rochester, MN
COURSE DESCRIPTION & INTENDED AUDIENCE
This event is presented by College of Medicine, Mayo Clinic, in collaboration with the Midwest Association for Toxicology and Therapeutic Drug Monitoring (MATT). MATT is a non-profit, Midwest regional organization of science professionals who have overlapping interests in Toxicology and Therapeutic Drug Monitoring (TDM). MATT hosts an annual conference to provide a platform for exchange of information, and strives to maintain an informal atmosphere for all professionals and students in the field of Toxicology.

This conference is designed for clinical toxicologists, laboratory professionals, and law enforcement personnel with an interest or focus on toxicology and drug-related issues.

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

1. State recent innovative analytical advances in toxicology and TDM
2. Integrate diagnostic, clinical, and pathological challenges in pathologist/clinician communication
3. Advise colleagues on the usefulness of tests in a variety of clinical situations
4. Discuss the implications of current ethical and legal issues in toxicology and law enforcement

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.

CONTINUING EDUCATION
This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of College of Medicine, Mayo Clinic and Midwest Association for Toxicology and Therapeutic Drug Monitoring (MATT). College of Medicine, Mayo Clinic is accredited by the ACCME to provide continuing medical education for physicians.

College of Medicine, Mayo Clinic designates this educational activity for a maximum of 13.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

ACCENT® Education Program
ACCENT® Education Program – credits provided through the Toxicology and Therapeutic Drug Management Division of the American Association for Clinical Chemistry (AACC). The ACCENT® program gives clinical laboratory professionals access to valuable education, and provides a system by which professionals can earn and document continuing education credits required by many states and organizations for state licensure and/or professional certification.

ASCLS P.A.C.E.
College of Medicine, Mayo Clinic has applied for approval as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.

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.

EDUCATIONAL GRANTS
At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given at the meeting.

LOCATION
Course headquarters will be located in Leighton Hall on the second floor of the Siebens Medical Education Building, Mayo Clinic, 100 Second Avenue Southwest, Rochester, Minnesota. Meeting facilities are easily accessible by skyway and pedestrian subway, which connect Mayo Clinic to shops, restaurants, and hotels.

REGISTRATION
To register online, visit http://www.mayo.edu/cme/apr2009.html or complete the attached registration form and return by mail or fax. The registration fee includes tuition, syllabus, breakfast, lunch, refreshments, and an evening reception. 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 bring the confirmation letter when checking in at the meeting registration desk.

Register on or before March 5, 2009 to save $20.

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 March 26, 2009 (fax#: 507-284-0532). **No refunds will be made after March 26, 2009.**

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.

TRAVEL
Rochester, Minnesota, is a friendly city that greets thousands of visitors from around the world each year. The city is serviced by a modern international airport with multiple flights daily. Access to and from the airport is provided by taxi, shuttle service, and rental car. The airport is located approximately 10 miles from the Mayo Clinic campus.

For participants arriving via the Minneapolis/St. Paul International Airport (70 miles north of Rochester), there is a shuttle service to Rochester available through Rochester Direct. For reservations, fee, and further information, call 507-280-9270 or visit **www.Rochesterdirect.com**

LODGING ACCOMMODATIONS
Guest rooms have been reserved for attendees and their guests with special course rates at each of the following downtown Rochester hotels. In order to receive the special rate, **reservations must be made before the room block is filled or before the expiration date of March 19, whichever comes first.** Reservations will be taken following this date based on space and rate availability. Identify yourself as a participant of the Toxicology and Therapeutic Drug Monitoring Conference when making your reservation. Room rates do not include applicable city and state taxes.

- **Hilton Garden Inn**
  225 South Broadway
  800-445-8667 or 507-285-1234
  **$104** single/double

- **Kahler Grand Hotel**
  20 Second Avenue SW
  800-533-1655 or 507-282-2581
  **$92** single/double

- **Radisson Plaza Hotel (changing to DoubleTree)**
  150 South Broadway
  800-333-3333 or 507-281-8000
  **$115** single/double

- **Rochester Marriott Hotel**
  101 First Avenue SW
  877-623-7775 or 507-280-6000
  **$142** single/double

The hotels listed above are connected by skyway and pedestrian subway to conference facilities, downtown shops, and restaurants. You may also wish to visit the Rochester Convention and Visitors Bureau website (www.rochestercvb.org) for additional accommodation options. Lodging arrangements are the sole responsibility of the individual registrant.

PARKING
Parking is available in hotel, city, and Mayo patient/visitor ramps. The cost for parking is not included in the registration fee. For more information on ramp locations and fees, visit [http://www.ci.rochestermn.us/publicworks/parking.htm](http://www.ci.rochestermn.us/publicworks/parking.htm).

RELIGIOUS/SERVICES OF FAITH
To locate service options in Rochester, visit [http://www.rochestermn.com/churches/cat-6.html](http://www.rochestermn.com/churches/cat-6.html)
PROGRAM COMMITTEE
Course Director(s)
Loralie J. Langman, Ph.D.
Matthew D. Sztajnkrycer, M.D., Ph.D.

Committee Members
Jerry Pruett
Carolyn Vitek, M.S.

FACULTY
Mayo Faculty
Karen J. Bergrud
Assistant Director of Pharmacy Operations
Pharmacy Services
James L. Bruton
Development Tech
Gregory D. Cascino, M.D.
Professor of Neurology
College of Medicine
Frank W. Crow, Ph.D.
Development Tech Coordinator
W. Michael Hooten, M.D.
Assistant Professor of Anesthesiology
College of Medicine
Dennis J. O Kane, Ph.D.
Associate Professor of Laboratory Medicine/Pathology
College of Medicine
Loralie J. Langman, Ph.D.
Assistant Professor of Laboratory Medicine/Pathology
College of Medicine
Thomas P. Moyer, Ph.D.
Professor of Laboratory Medicine/Pathology
College of Medicine
Wayne T. Nicholson, M.D., Pharm.D.
Assistant Professor of Anesthesiology
College of Medicine
Lawrence K. Oliver, Ph.D.
Assistant Professor of Laboratory Medicine/Pathology
College of Medicine
Eric A. Pfeifer, M.D.
Assistant Professor of Laboratory Medicine/Pathology
College of Medicine
Matthew D. Sztajnkrycer, M.D., Ph.D.
Assistant Professor of Emergency Medicine
College of Medicine

Guest Faculty
Fred S. Apple, Ph.D.
Director, Toxicology Laboratory Staff
Hennepin County Medical Center
Minneapolis, Minnesota
Jennifer Collins, Ph.D.
Laboratory Director; Director, Forensic Laboratory
MedTox
St. Paul, Minnesota
David Gummin, M.D.
Medical Director
Wisconsin Poison Center
Milwaukee, Wisconsin
Paul J. Jannetto, Ph.D.
Assistant Professor of Pathology
Medical College of Wisconsin
Milwaukee, Wisconsin
Michael Sadauskis, Sergeant
Rochester Police Department
Rochester, Minnesota
Jeff Stilwell, Sergeant
Rochester Police Department
Rochester, Minnesota
Ann A. Tobin, Ph.D.
Post-Doctoral Fellow
Medical College of Wisconsin
Milwaukee, Wisconsin
Michael A. Wagner, Ph.D.
Director, Indiana State Department of Toxicology
Indiana University School of Medicine
Indianapolis, Indiana

FACULTY DISCLOSURE
As a provider accredited by ACCME, College of Medicine, Mayo Clinic (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.
THURSDAY, APRIL 9, 2009

7:00 a.m.  Registration/Breakfast

Pain Management
8:00 – 8:40 a.m.  Advances in the Clinical Management of Chronic Pain
W. Michael Hooten, M.D.

8:40 – 9:20 a.m.  Considerations in the Pharmacologic Approach to Pain Management
Wayne T. Nicholson, M.D., Pharm.D.

9:20 – 10:00 a.m.  Managing Pain Patients: Using Pharmacogenomics and TDM to Understand and Improve Patient Care
Paul J. Jannetto, Ph.D.

10:00 – 10:15 a.m.  Break

New Analytical Technologies
10:15 – 11:15 a.m.  LC-MS/MS
Frank W. Crow, Ph.D.

11:15 – 12:00 p.m.  Assay Development using Turboflow Technology
James L. Bruton

12:00 – 1:00 p.m.  Lunch Provided

1:00 – 2:00 p.m.  MATT Membership Meeting

2:00 – 3:00 p.m.  Abstract Presentations

Hot Topics Part I
3:00 – 3:40 p.m.  Drug Diversion in the Hospital Environment
Karen J. Bergrud, RPh

3:40 – 4:20 p.m.  Unintentional Suicide: The New Religion of the 21st Century
David Gummin, M.D.

4:20 – 5:00 p.m.  Biomarkers in Drug Development
Lawrence K. Oliver, Ph.D.

6:00 p.m.  Social Event
FRIDAY, APRIL 10, 2009

7:00 a.m. | Registration/Breakfast

8:00 – 8:40 a.m. | Newer Anticonvulsants
Clinical Review and Need for TDM
Gregory D. Cascino, M.D.

8:40 – 9:20 a.m. | Analytical Methods for Newer Anticonvulsants
Jennifer Collins, Ph.D.

9:20 – 10:00 a.m. | Pharmacogenetics of Newer Anticonvulsants
Dennis J. O Kane, Ph.D

10:00 – 10:15 a.m. | Break

10:15 – 10:45 a.m. | Hot Topics Part II
Case Studies: Role of Forensic Toxicology in Assisting Medical Examiners in Death Investigations
Fred S. Apple, Ph.D.

10:45 – 11:30 a.m. | Gadolinium and Nephrogenic Systemic Fibrosis: Laboratory Correlates
Thomas P. Moyer, Ph.D.

11:30 – 12:00 p.m. | Blood Levels in Southeastern Wisconsin Children: A Response to the Lead Toy Controversy
Ann A. Tobin, Ph.D.

12:00 – 1:00 p.m. | Lunch Provided

1:00 – 1:40 p.m. | Clandestine “Meth Lab” Exposure
Methamphetamine Labs – The Physical Dangers to Law Enforcement Personnel
Jeff Stilwell, Sgt.

1:40 – 2:20 p.m. | Methamphetamine Labs – The Medical Dangers Due to Secondhand Exposure
Matthew D. Sztajnkrycer, M.D., Ph.D.

2:20 – 3:00 p.m. | Laboratory Testing for Second Hand Methamphetamine Exposure
Michael A. Wagner, Ph.D.

3:00 – 3:15 p.m. | Break

3:15 – 3:45 p.m. | TASERs and Toxicology
TASERs – When, Why and How Law Enforcement Uses Them
Michael Sadauskis, Sgt.

3:45 – 4:15 p.m. | TASERs – How They Work and the Medical Implications of Use
Matthew D. Sztajnkrycer, M.D., Ph.D.

4:15 – 5:00 p.m. | CSI Rochester – You Be the Judge
Loralie J. Langman, Ph.D.
Eric A. Pfeifer, M.D.
# Registration Form

## Toxicology and Therapeutic Drug Monitoring Conference

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Submit online registration at [http://www.mayo.edu/cme/apr2009.html](http://www.mayo.edu/cme/apr2009.html)

OR

Mail 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

## Contact Information

<table>
<thead>
<tr>
<th>Name of Registrant</th>
<th>Degree</th>
<th>Medical Specialty</th>
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If you have special assistance needs or dietary restrictions, describe here:

## Registration and Membership Fees (Please circle all that apply.)

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<tr>
<th>MATT Member On or Before March 5, 2009</th>
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## Payment Information

- Check is enclosed in the amount shown at right - make checks payable to Mayo Clinic
- Credit Card - select one
  - Discover
  - MasterCard
  - Visa
- Name of Cardholder - as it appears on the card
- Signature of Cardholder - required
- Payment Total

(Place all necessary information in the appropriate fields.)
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