



Centennial Celebration

*100 Years of Pathology and Laboratory
Medicine at Mayo Clinic*

October 1-2, 2005

Phillips Hall,
Harold W. Siebens Medical Education Building
Mayo Clinic, Rochester, Minnesota



Presented by:
Mayo Medical Laboratories



100 Years

**100 Years of Pathology and Laboratory
Medicine at Mayo Clinic**

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Course Description

This conference will analyze the evolution of pathology, chemistry, transfusion medicine, hematology, microbiology, and genetics at Mayo Clinic throughout the last 100 years in order to better understand our medical decision-making processes today, and our likely evolutionary pathway in the coming decades. In pathology, the role of frozen section slide interpretation in guiding surgical decision making will be reviewed. The overlap of such traditional diagnostic techniques with newer tissue-based molecular tests will be discussed. Transfusion medicine will present the development of the “culture of patient safety” and how new attitudes are partnered with new technologies in eliminating the transfusion of infected or incompatible blood products. Comparisons and contrasts will be highlighted between traditional hematology, microbiology, and chemistry practices and current practices in these areas of laboratory medicine.

Please note the Practical Surgical Pathology Conference will be held September 29 - October 1, 2005. Therefore, the Centennial Celebration will be held in conjunction with Practical Surgical Pathology on Saturday morning, October 1.

Course Learning Objectives

Upon completion of this program, participants should be able to:

- ◆ Review the historical basis of current laboratory medicine and pathology practices
- ◆ Discuss the use of cytology in clinical diagnoses
- ◆ Examine the role of autopsy in pathology
- ◆ Identify which portions of current practice are based on scientific data and which are based on historical serendipity
- ◆ Outline significant developments in the microbiology laboratory
- ◆ Assess scenarios of future development in laboratory medicine and pathology which will inform decision making in various areas of patient care
- ◆ Apply patient safety techniques in transfusion medicine

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.



*A pair of nurses are located
on each corner of the
Plummer Building tower,
Ellerbe & Company, architect*

Intended Audience

This course is designed for practicing anatomic and surgical pathologists. Other medical laboratory scientists or physicians interested in enhancing their delivery of care also may benefit from attending this program.

Credit

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

Mayo Clinic College of Medicine designates this educational activity for a maximum of 10.25 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits he/she actually spent in the activity.

The American Medical Association has determined that non-US-licensed physicians who participate in this CME activity are eligible for AMA PRA category 1 credit.

Date and Location

The *Centennial Celebration – 100 Years of Pathology and Laboratory Medicine at Mayo Clinic* will be held October 1-2, 2005. Course headquarters will be located in Phillips Hall, Harold W. Siebens Medical Education Building, Mayo Clinic, Rochester, Minnesota. Meeting facilities are easily accessible by skyway and pedestrian subway, which connect Mayo Clinic to shops, restaurants, and hotels.

Registration

To register, complete the attached registration form and return by mail or fax. The registration fee includes tuition, comprehensive course syllabus, continental breakfasts, lunches, break refreshments, and dinner. Although it is not Mayo Medical Laboratories' Education Department's policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is strongly advised. Indicate your e-mail address on the registration form. A letter of confirmation will be e-mailed upon receipt of payment and completed registration form. If you do not have access to e-mail, please indicate on the registration form. Please present the confirmation letter when checking in at the meeting registration desk.

Cancellation Policy

Your registration fee, less a \$50 administrative fee, will be refunded when written notification is received by Mayo Medical Laboratories' Education Department on or before September 16, 2005, (fax: 507-284-8016). No refunds will be made after September 16, 2005.

Travel

Rochester, Minnesota, is a friendly city that greets thousands of visitors from around the world each year. The city is served by a modern international airport with multiple flights daily from Chicago and Minneapolis via American or Northwest Airlines. Access to and from the airport is available by taxicab and shuttle service. The airport is located approximately 10 miles from the Mayo Clinic campus.

For travel arrangements, you may contact Lynn Korte at Corporate Travel at 800-526-4540 or 507-287-7468; fax: 507-281-2409 or e-mail: lynn@ctsrst.com. Identify yourself as attending the Mayo Medical Laboratories' Centennial Celebration conference.

Lodging Accommodations

Blocks of guest rooms have been reserved with special course rates at the following hotels. To ensure accommodations and the discounted rate, please make your reservations by **September 9, 2005**, and identify yourself as a participant of the Mayo Medical Laboratories' Centennial Celebration conference.

ROCHESTER MARRIOTT HOTEL

101 First Avenue SW
877-623-7775 or 507-280-6000
\$115 single/double

KAHLER GRAND HOTEL

20 Second Avenue SW
800-533-1655 or 507-282-2581
\$89 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 Web site (www.rochestercvb.org) for additional accommodation options.

Parking

Parking is available in hotel, city, and Mayo patient/visitor ramps. The cost for parking is **not** included in the registration fee. A map indicating the location of downtown parking facilities will be e-mailed with the registrant confirmation letter.

Faculty

COURSE DIRECTORS

Lawrence J. Burgart, MD

Consultant, Division of Anatomic Pathology*
Professor of Pathology**

K. Krishnan Unni, M.B., B.S.

Emeritus Consultant*
Mayo Clinic
Rochester, Minnesota



*One of three gargoyles
projecting from the center of the
tower of the Plummer Building;
the owl symbolizes wisdom,
Ellerbe & Company, architect*

MAYO FACULTY

Marie-Christine Aubry, MD

Consultant, Division of Anatomic Pathology*
Assistant Professor of Pathology**

Franklin R. Cockerill, III, MD

Chair, Division of Microbiology*
Ann and Leo Markin
Professor of Medicine and Microbiology**

Gordon W. Dewald, PhD

Consultant, Division of Laboratory Genetics*
Professor of Laboratory Medicine and
Pathology**

Virgil F. Fairbanks, MD

Emeritus Professor*
Mayo Clinic
Rochester, Minnesota

James S. Hernandez, MD, MS

Chair, Division of Clinical Core Laboratory
Services*
Assistant Professor of Laboratory Medicine**

Robert B. Jenkins, MD, PhD

Consultant, Division of Laboratory Genetics*
Professor of Laboratory Medicine**

Robert M. Kisabeth, MD

Senior Vice President of Medical Affairs
Mayo Collaborative Services, Inc.
Rochester, Minnesota

S. Breannan Moore, MD

Chair, Division of Transfusion Medicine*
Professor of Laboratory Medicine**

**Department of Laboratory Medicine and Pathology*

***Mayo Clinic College of Medicine, Rochester, Minnesota*

MAYO FACULTY (CONTINUED)

William G. Morice II, MD, PhD
Consultant, Hematopathology*
Assistant Professor of Pathology**

Thomas P. Moyer, PhD
Chair, Division of Clinical Biochemistry
and Immunology*
Professor of Laboratory Medicine**

William L. Nichols, MD
Consultant, Hematology/Internal Medicine
and Laboratory Medicine
Former Director, Mayo Special Coagulation
Laboratories and Coagulation Clinical Centers
Co-Director, Mayo Coagulation Education
Programs
Associate Professor, Medicine and Laboratory
Medicine**

Michael B. O'Sullivan, MD
Chair Emeritus, Board of Governors
Mayo Clinic
Scottsdale, Arizona

Glenn D. Roberts, PhD
Consultant, Division of Microbiology*
Professor of Laboratory Medicine and
Microbiology**

Jon E. Rosenblatt, MD
Consultant, Division of Microbiology*
Professor of Microbiology and Medicine**

Paula J. Santrach, MD
Vice Chair of Clinical Operations*
Assistant Professor of Laboratory Medicine**

Thomas F. Smith, PhD
Consultant, Division of Microbiology*
Professor of Laboratory Medicine and
Microbiology**

Thomas C. Smyrk, MD
Consultant, Division of Anatomic Pathology*
Associate Professor of Pathology**

Louis H. Weiland, MD
Emeritus Consultant, Surgical Pathology
and Professor of Pathology
Mayo Clinic Rochester and Scottsdale

*Department of Laboratory Medicine and Pathology
**Mayo Clinic College of Medicine, Rochester, Minnesota

GUEST FACULTY

Vernard Adams, MD
Chief Medical Examiner, Hillsborough County
Florida Program Director, Forensic Pathology
University of South Florida
Tampa, Florida

Professor Franco Bertoni
Senior Surgical Pathology Consultant
Rizzoli Institute
Bologna, Italy

Thank You!

GUEST FACULTY (CONTINUED)

Barbara S. Ducatman, MD

Professor and Chair, Department of Pathology
Director, WVU National Center of Excellence
in Women's Health
West Virginia University
Morgantown, West Virginia

Celina G. Kleer, MD

Assistant Professor of Pathology
University of Michigan Medical School
Ann Arbor, Michigan

A. Kevin Raymond, MD

Section Head and Associate Professor,
Orthopedic Pathology
The University of Texas
M.D. Anderson Cancer Center
Houston, Texas

Mark R. Wick, MD

Editor-in-Chief, *American Journal of Clinical Pathology*
Professor of Pathology and Co-Director
of Surgical Pathology
University of Virginia Medical Center
Charlottesville, Virginia

*A special thank you is also extended
to our present and past Chairs of the
Department of Laboratory Medicine and
Pathology for their contributions to and
support of this conference.*

Curtis A. Hanson, MD

Lester E. Wold, MD

Michael B. O'Sullivan, MD

Faculty Disclosure

As a provider accredited by ACCME, Mayo Clinic College of Medicine must ensure balance, independence, objectivity and scientific rigor in its educational activities. All faculty participating in a Mayo Clinic College of Medicine activity are required to disclose commitments to and/or relationships with pharmaceutical companies, biomedical device manufacturers or distributors, or others whose products or services may be considered to be related to the subject matter of the educational activity. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of these commitments and/or relationships will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

*A vigilant griffin perches
on each corner of the Plummer
Building tower; the griffins
symbolize protectors in
medieval times, Ellerbe &
Company, architect*



Conference Schedule

SATURDAY, OCTOBER 1

- 7:00 - 7:45 AM Registration and Continental Breakfast
Phillips Hall Foyer, First Floor
Harold W. Siebens Medical Education Building
- 7:45 - 8:00 AM **Welcome and Introduction to Centennial
Celebration**
- 8:00 - 8:30 AM **Surgical Pathology at Mayo Clinic
(Through the Rearview Mirror)**
Louis H. Weiland, MD
- 8:30 - 9:00 AM **Non-alcoholic Steatohepatitis**
Thomas C. Smyrk, MD
- 9:00 - 9:30 AM **Peer-reviewed Publications in Pathology:
Past, Present, and Future**
Mark R. Wick, MD
- 9:30 - 10:00 AM **Breast Pathology**
Celina G. Kleer, MD



*Light fixture in the elevator
lobby of the second floor,
Plummer Building, Ellerbe &
Company, architect*

10:00 - 10:30 AM	Break	2:45 - 3:15 PM	Some Historical Perspectives on Laboratory Medicine and Pathology in the '70s and '80s Michael B. O'Sullivan, MD
10:30 - 11:00 AM	The Pap Test: From Mice to Molecules Barbara S. Ducatman, MD	3:15 - 3:45 PM	Mayo Medical Laboratories Robert M. Kisabeth, MD
11:00 - 11:30 AM	Bone Tumors – Diagnostic Approach A. Kevin Raymond, MD	3:45 - 4:30 PM	History of Hematopathology at Mayo Clinic Virgil F. Fairbanks, MD History of Coagulation Laboratories at Mayo Clinic William L. Nichols, MD New Advances in Laboratory Hematopathology William G. Morice II, MD, PhD
11:30 - 12:00 PM	Forensic Pathology and Mayo Clinic Vernard Adams, MD	6:00 PM	Reception and Dinner Nathan Landow Atrium, Subway Level, Gonda Building <i>Master of Ceremonies*</i> Kenneth P. Batts, MD Staff Pathologist Abbott Northwestern Hospital Minneapolis, Minnesota
12:00 - 12:30 PM	Bronchial Biopsies – When Can We Make a Specific Diagnosis Marie-Christine Aubry, MD		
12:30 - 2:00 PM	Lunch Marriott Ballroom, Second Floor Rochester Marriott Hotel		
2:00 - 2:45 PM	History of Research in DLMP Robert B. Jenkins, MD, PhD		

Conference Schedule (Continued)

SUNDAY, OCTOBER 2

- 8:00 - 8:30 AM Continental Breakfast
Phillips Hall Foyer, First Floor
Harold W. Siebens Medical Education Building
- 8:30 - 9:30 AM **History of the Division of Clinical Microbiology**
Franklin R. Cockerill, III, MD
Glenn D. Roberts, PhD
Jon E. Rosenblatt, MD
Thomas F. Smith, PhD
- 9:30 - 10:00 AM **Visiting Clinician – European Perspective**
Professor Franco Bertoni
- 10:00 - 10:45 AM **A Brief History of the Early Years of Blood Transfusion at Mayo Clinic:
The First Blood Bank in the USA (1935)**
S. Breannan Moore, MD



Hand painted ceiling tile from
the twelfth floor, Plummer
Building, Ellerbe & Company,
architect

10:45 - 11:15 AM

Break

11:15 - 12:00 PM

**The Newest Division of the Department
of Laboratory Medicine and Pathology –
Clinical Core Laboratory Services**

James S. Hernandez, MD, MS

Paula J. Santrach, MD

12:00 - 12:30 PM

**Clinical Chemistry – Defining the Physiologic
State For a Century**

Thomas P. Moyer, PhD

12:30 - 1:15 PM

History of Laboratory Genetics at Mayo Clinic

Gordon W. Dewald, PhD

1:15 - 1:30 PM

Close of Official Program

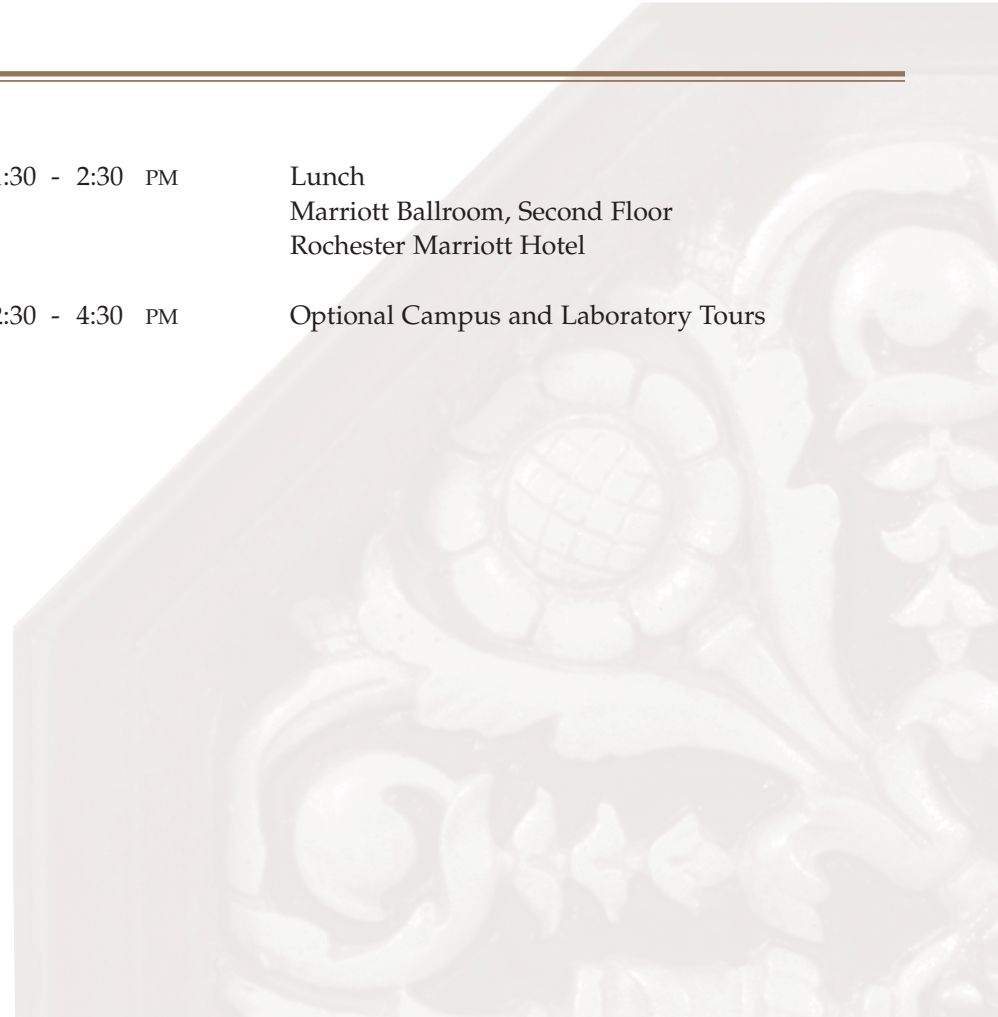
1:30 - 2:30 PM

Lunch

Marriott Ballroom, Second Floor
Rochester Marriott Hotel

2:30 - 4:30 PM

Optional Campus and Laboratory Tours



Registration Form

Centennial Celebration

100 Years of Pathology and Laboratory Medicine at Mayo Clinic

Phillips Hall, Harold W. Siebens Medical Education Building, Mayo Clinic, Rochester, MN

October 1-2, 2005

Registration deadline is September 16, 2005

Mail form and payment to:
Mayo Medical Laboratories
Education Department
3050 Superior Drive NW
Mail Drop: SDSC 1-402
Rochester, MN 55901

Telephone: 800-533-1710 / 507-538-6253
Fax: 507-284-8016
Web site: www.mayoreferenceservices.org
E-mail: levell.connie@mayo.edu

(Please print or type all information. You may duplicate this form for multiple registrations.)

Name _____
First Name Middle Name or Initial Last Name

Degree MD PhD Other

Institution _____

Medical specialty _____

E-mail (required) _____

Which do you prefer to be your mailing address: Work/Business Home

Work address _____

City _____ State/PV _____ ZIP/PC _____

Country _____

Home address _____

City _____ State/PV _____ ZIP/PC _____

Country _____

Home telephone () _____ Business telephone () _____

Int'l telephone (Country code) _____ (City code) _____ Telephone _____

FAX () _____

Do you plan to attend the conference
reception and dinner Saturday
evening? Yes No

Would you be interested in a
90-minute tour of the laboratory on
Sunday afternoon? Yes No

Guest? Yes No

Would you be interested in a
90-minute tour of the Mayo campus
on Sunday afternoon? Yes No

Please indicate if you have special accommodation or dietary needs: _____

Registration Fee:

Physicians – \$200 \$ _____

If attending Practical Surgical Pathology Conference
prior to the Centennial Celebration, fee is \$150 \$ _____

Total Payment Enclosed: \$ _____

Payment Method

Check Enclosed (make check payable to Mayo Medical Laboratories)

Credit Card: Visa MasterCard

Card Number _____ Expires Mo/Yr _____

Signature _____ Date _____

100 Years





3050 Superior Drive NW
Rochester, Minnesota 55901
www.mayoreferenceservices.org

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