Welcome to the Department of Pathology’s annual newsletter. These issues will be published for faculty and staff and are intended to inform the team about developments of general interest within the Department of Pathology.

The yearly Pathology Picnic was held at the Root River Parkway in Hales Corners on July 14th. Thank you to all who joined the festivities.

The week of July 16th we are welcoming two visiting faculty. Dr. Kiyoko Oshima from Saint Louis University will speak on Wednesday July, 18th with a lecture titled “An Overview and Update in Biliary Tract Pathology”, and Dr. Agnes Loeffler from UW-Madison will discuss “Cystic Lesions of The Pancreas” on Thursday, July 19th. Please join us at 8:30am for Grand Rounds.

If you have suggestions about the newsletter and its content, please contact Patti Wolf at pwolf@mcw.edu - 805-8449

USCAP 2012

The 101st annual meeting of the USCAP was held in Vancouver, British Columbia, Canada, on March 17 - 23, 2012. Considered the world’s largest gathering of physician pathologists each year, we were able to participate in an historical learning experience. Pathology participated in paper and poster submissions, as well as Dr. Saul Suster lecturing on Mediastinal Tumors: A Practical Approach with Dr. Cesar Moran of MD Anderson.

The department of pathology is also pleased to have had the opportunity to participate in USCAP-TV. Though the number of spots were limited, our department was offered the chance to showcase our best practices and new ventures. To view this 5 minute film, as well as posters presented at the conference, please go the to the Pathology website at http://www.mcw.edu/pathology.htm#
The Medical College of Wisconsin Tissue Bank is a secure storage facility where blood and tissue samples are kept for use in future research. Currently, once a research study is approved, the researcher must spend a majority of their time collecting their own blood and tissue samples before they can begin their research.

The Medical College of Wisconsin Tissue Bank can improve this process by providing researchers with blood and tissue samples that have already been collected. This expedites the process so that research can begin quickly, and, most importantly, the possibility of discovering medications and possible cures for diseases can happen much sooner.

The bank has been working with several surgeons and clinics in the Cancer Center to obtain consent from patients. Currently, the bank is working with thoracic, orthopaedic, OBGYN, head and neck, breast, and colorectal surgeons in the Cancer Center to achieve this goal. Jason Kirkpatrick and Jessica Meyer are the two fulltime research coordinators staffed by the bank who are dedicated to obtaining patient consent within these clinics. Future plans include expansion of clinics where patients can be approached for consent. The remainder of the Tissue Bank staff are Mollie Patton, PA (ASCP), who procures tissues for the MCW Tissue Bank and other satellite banks and studies; Matthew Dunham, Research Technologist, processes blood, DNA, and RNA for the bank; Mary Rau, Tissue Bank Manager; Dr. Jian Huang, Director of Procurement and Quality Control for the Bank; and the Tissue Bank’s director and PI, Dr. Saul Suster.
Clinical and Translational Research Core Lab

The Clinical and Translational Research Core Lab (CTRL) is an MCW core lab in the Department of Pathology. The mission of the CTRL is to provide research services for all members of the MCW community. The CTRL supports tissue-based research, and the scope of the research activities in the CTRL is mainly focused on histology, immunohistochemistry, and molecular analysis of adult human tissue samples. In addition, the CTRL also performs clinical testing of patient samples. The CTRL is directed by Dr. Alexander C. Mackinnon, Jr., MD, PhD, who is double board certified in Anatomical Pathology (AP) and Molecular Genetic Pathology (MGP). The lab is staffed by four personnel, Dr. Xiuxu Chen, PhD (pathology), Dr. Min Le, PhD (molecular diagnostics), Ms. Kathryn Stoll, HT(ASCP) (histotechnology), and Ms. Deyanka Ogrizovic (administrative support).

Examples of research projects conducted in the CTRL include tissue microarray construction to allow histological, immunohistochemical, and fluorescent in situ hybridization (FISH) analysis of large numbers of samples in a cost-effective manner; nucleic acid isolation via microdissection; gene expression profiling using quantitative PCR (qPCR) or microarray analysis (Agilent); and mutation analysis using dideoxy sequencing, pyrosequencing, and melting curve analysis of real time PCR products.

The CTRL also performs clinical molecular diagnostic testing of patient samples. The test menu is being actively developed and includes microsatellite instability testing of using either immunohistochemistry to analyze expression of MLH1, MSH2, MSH6, and PMS2, or PCR-based analysis of microsatellite loci. The CTRL is validating several additional clinical molecular diagnostic tests for the following targets: EGFR exons 18-21, BRAF codon 600, KRAS codons 12/13/61, NRAS codon 61, HRAS codon 61, and IDH 1/2. These targets are important tests for the effective management of lung, colon, thyroid, and brain cancers and will be available to MCW patients in 2012. The CTRL also supports clinical trials for the departments of surgery and obstetrics and gynecology.

In addition to the clinical and research activities, the CTRL is also implementing a laboratory information system (LIS) to handle both research and clinical samples. Very few LIS systems are designed to manage both types of samples due to their inherent differences, and the CTRL is working closely with the LIS team to develop custom designed tools to achieve this goal. The target “go-live” date for the LIS is September 21, 2012. As a corollary, the CTRL is also working with Froedtert and EPIC IT to build a Health Level 7 (HL7) interface that supports bidirectional transfer of patient data between the CTRL and the patient’s electronic medical record (EMR).

The past year has been a busy and exciting period in the CTRL. As workflow becomes further established, new technologies introduced, and the clinical test menu expands, the productivity and success of the lab will continue to grow.

The CTRL is participating in an exciting future at an institution with a long tradition of excellence.
Human Protections at MCW and Froedtert Hospital

Version Migration – 1 to 3

Migration for all SmartForm version one studies will begin in the fall of 2012.

The migration will begin this fall and is expected to be fully completed by the end of 2014. The IRB is setting up four six-month “seating plans”. Ample advance notice will be given.

Some original entries will be carried forward; all original entries will be available for cut-and-paste; there will be many instructional resources.

Your research coordinator will be available to assist you with this transition.

Coming Fall 2012

Any project that is neither federally-funded, nor FDA-regulated will be allowed to close once the “data analysis only” stage is reached. This is seen on the continuing progress report (CPR) as:

Permanently closed to collection of specimens or data; project is active only for data analysis.

If a study is expedited, it will be eligible for a two-year approval cycle. Currently a (CPR) is required yearly to receive approval for continuation of the study. This should be a convenience available for most pathology department studies.

IRB Study Submission Turnaround Times

According to the IRB, the following are averages of study turnaround / approval times.

<table>
<thead>
<tr>
<th>Full committee review times</th>
<th>Expedited review times</th>
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<tbody>
<tr>
<td>Submission to first meeting</td>
<td>42 days</td>
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<tr>
<td>Submission to final approval</td>
<td></td>
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<tr>
<td>67 days</td>
<td></td>
</tr>
<tr>
<td>Submission to first review</td>
<td>15 days</td>
</tr>
<tr>
<td>Submission to final approval</td>
<td>33 days</td>
</tr>
</tbody>
</table>

Study Protocol Tips

The Department of Pathology had its yearly IRB review of three studies in January. The process went smoothly. Following are a couple of tips to keep in mind when working on a study.

Pay attention to the study start and end dates. As time goes by the study team might go outside of the studies date parameters. If the study was originally specified as a retrospective study, any patient health information or specimens pulled after the IRB study approval date will be considered a prospective study.

A parameter end date in a study can be easily overlooked when working several years into a study.

Create an amendment before a reportable event becomes necessary. If a study team member is leaving, remember that person will need to be removed from the study using the SmartForm Update options on the Study Workspace.
**SmartForm Tip:**

Not all SmartForm requests require the creation of an amendment.

In eBridge, in the Study Workspace, and under My Activities there are two options for changes.

*Make SmartForm Update* – No amendment is required. No IRB review is necessary. Options are to change the phone number, add or remove individuals from the study and add or remove those who will receive email notifications.

*Request SmartForm Update for IRB Staff Review* – Options to change project coordinator, co-investigators and project staff. Here is where a request is made to extend a projects end date. Justification for a date change is required under the *Request SmartForm Update for IRB Staff Review*. The department research coordinator is here to assist with grants and study protocols. Updated binders for all current and closed studies are available for review in the CRC’s office. Please utilize the research coordinator for questions to start a study protocol, to help organize an existing study, or to find out what grant opportunities might be available. There are many grant opportunities available, so please set aside time to meet with the coordinator to discuss opportunities. Grant searches can be based on criteria or areas of interest.

As always, the pathology research coordinator is happy to assist with any questions or requests. Call 805-8449 or email pwolf@mcw.edu.

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**Research Updates**

<table>
<thead>
<tr>
<th>PI</th>
<th>Type</th>
<th>Name of Grant</th>
<th>Dates</th>
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<tbody>
<tr>
<td><strong>Awarded</strong></td>
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<tr>
<td>Huang, Jian</td>
<td>WHRP</td>
<td>Women’s Health Research Program</td>
<td>3/14/2011 – 11/30/2012</td>
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<tr>
<td><strong>In Progress</strong></td>
<td></td>
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<tr>
<td>Padmanabhan, Anand</td>
<td>AHW</td>
<td>Role of IgA and IgM Immunoglobulins in HIT</td>
<td>4/1/2012 – 3/31/2013</td>
</tr>
<tr>
<td>Huang, Jian</td>
<td>Cancer Center</td>
<td>Biomarker for Predicting Trastuzumab Resistance</td>
<td>4/1/2012 – 3/31/2013</td>
</tr>
<tr>
<td>Wang, Liang</td>
<td>Cancer Center</td>
<td>Chromatin Interaction in PC Risk Loci</td>
<td>4/1/2012 – 3/31/2013</td>
</tr>
<tr>
<td>Mackinnon, Alexander</td>
<td>CTSI / AHW</td>
<td>Identification of critical genetic alterations driving the formation and</td>
<td>4-1-2013 – not stated</td>
</tr>
</tbody>
</table>

The Department of Pathology has seven grant proposals submitted since January. During this period, two grants were awarded and five are pending approval.

Several applications for grants are in-process to be submitted by fall 2012.

Congratulations and many thanks to everyone involved in obtaining these awards.

Please contact your research coordinator to find out about more grant opportunities.
**Funding Clinical Research**

*Start Small*
Grants are partly awarded on track record. Start by applying for small grants then apply for increasingly ambitious grants as the grant track record grows.

*Adding Value*
Grant providers like to see value for money. Part of that value is “capacity building”. In other words they like to give money that will answer a particular question and generate a particular piece of useful knowledge AND it will in some way increase the capacity of the group to do other future projects.

*Seed Funding*
Large projects require large amounts of money. Some providers are keen to provide seed funding to get the project established or to do some pilot work. This proves the feasibility of a study and helps acquire the big money.

*Buffing Your Team*
Grant providers like to give to those that have performed well before. It always helps to have an experienced and successful researcher on an application. If it is appropriate then try to list a few stars as associate investigators. But beware that the experienced and successful researcher not be viewed as a token gesture.

*The Art of Being A Novice*
Being a beginner is not always an impediment. On occasions grant providers will provide money specifically to help promising and potentially rising stars.

*Critical Mass*
A research group works well when there are enough funds in the bank to keep projects and teams running through lean periods. Aim to build up some cash reserve to do this. Teams are also more efficient when staff is employed to a longer term team rather than being project specific. This requires a degree of critical mass.

*Important Note*
Funding is always more likely if the project is original and highly relevant.

*Writing a grant*
If a novice, then find assistance writing the application. It must be clear and written in a way that readers unfamiliar with the science can still understand. Explain the importance of the project, but don’t over do it. Always follow the instructions in every detail. Carefully proof-read your grant. See the grants office for help and watch for seminars on how to write grants.
Grant Preparation and Submission Timeline – Best Practices

Please keep this Grants and Contracts timeline in mind when preparing to submit an application. The application deadline will not be the same as the deadline to submit to G&C.

Always allow for appropriate preparation time. Please contact the department research coordinator if you have questions.

2012 Conferences

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Lecture Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>May 14, 2012</td>
<td>12:00pm – 1:00pm</td>
<td>Grand Rounds</td>
<td>Bradley R. Morgan, MD</td>
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<td></td>
<td></td>
<td>Laboratory Quality Assurance for Diabetes Testing</td>
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<tr>
<td>May 30, 2012</td>
<td>12:00pm – 1:00pm</td>
<td>Grand Rounds</td>
<td>Rsouls Alikhani KoupaieI, PhD, DCC, DABCC, FACB, FCACB</td>
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<tr>
<td></td>
<td></td>
<td>Laboratory Quality Improvement in Practice: HBA1c as an example</td>
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<tr>
<td>June 1, 2012</td>
<td>12:00pm – 1:00pm</td>
<td>Grand Rounds</td>
<td>Sean R. Williamson, MD</td>
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<td>Renal neoplasms with Clear Cytoplasm: Emerging Concepts in</td>
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<td>Classification and Pathogenesis</td>
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<tr>
<td>July 5, 2012</td>
<td>12:00pm – 1:00pm</td>
<td>Grand Rounds</td>
<td>Martin Sangueza, MD</td>
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<tr>
<td></td>
<td></td>
<td>Topic: Tropical Diseases</td>
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<tr>
<td>July 5, 2012</td>
<td>3:00pm – 4:00pm</td>
<td>Slide conference</td>
<td>Martin Sangueza, MD</td>
</tr>
<tr>
<td>July 9, 2012</td>
<td>12:00pm – 1:00pm</td>
<td>Grand Rounds</td>
<td>Mukesh M. Agarwal, MD</td>
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<tr>
<td></td>
<td></td>
<td>Gestational Diabetes Screening: A Patient-Friendly Approach</td>
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<tr>
<td>July 18, 2012</td>
<td>8:30am – 9:30am</td>
<td>Grand Rounds</td>
<td>Kiyoko Oshima, MD</td>
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<td></td>
<td></td>
<td>An Overview and Update in Biliary Tract Pathology</td>
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<tr>
<td>July 19, 2012</td>
<td>8:30am – 9:30am</td>
<td>Grand Rounds – Junior Faculty Exchange</td>
<td>Agnes Loeffler, MD, PhD – UW-Madison</td>
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<tr>
<td></td>
<td></td>
<td>Cystic Lesions of the Pancreas</td>
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<tr>
<td>September 14-16, 2012</td>
<td>11:00am – 4:00pm</td>
<td>Midwestern Conference: Update Course in Surgical Pathology</td>
<td>Saul Suster, MD, Course Director</td>
</tr>
</tbody>
</table>

Check the Department of Pathology web page to view current and upcoming educational events.

http://www.mcw.edu/pathology/EdActivities/Grand_Rounds.htm
Congratulations Graduating Residents - 2012

**Christopher Cogbill, M.D.**
Dr. Cogbill has accepted a hematopathology fellowship at UPML Presbyterian in Pittsburgh

**Shannon Rathke, M.D.**
Dr. Rathke has accepted a hematopathology fellowship at the Medical College of Wisconsin

**Amanda Reiswig, M.D.**
Dr. Reiswig is taking a little time away from her pathology training to plan for her wedding

**David Stockman, M.D.**
Dr. Stockman will be at MD Anderson in Texas for a fellowship

Fellows - 2012

**Elizabeth Fleming, MD (Cytopathology)**
Dr. Fleming has made the decision to be home with her family for a little while before continuing to pursue her career

**Mark Fons, D.O. (GI/Surgical Pathology)**
Dr. Fons has accepted a position at the University of Indiana

**James Vaughan, M.D. (Hematopathology)**
Dr. Vaughan will be joining the faculty at the University of Tennessee as an Assistant Professor
Welcome New Faculty in 2012

Irene Aguilera-Barrantes M.D. will become a member of the faculty of Froedtert Hospital in Surgical Pathology. She is currently the Assistant Professor and General Practitioner at Hospital Sa Vicente de Paul in Costa Rica. She completed her Anatomical and Clinical Pathology residency at the Ohio State University and her Gynecological Pathology and Surgical Pathology fellowship at M.D. Anderson Cancer Center.

K. Krishnan Unni, M.B., B.S. will be joining the faculty of Froedtert Hospital in Surgical Pathology in the Dynacare Lab Building. Currently, he has been working as a consultant for surgical pathology at Elmbrook Memorial Hospital, Brookfield, as well as an emeritus consultant at the Department of Laboratory Medicine and Pathology at the Mayo Clinic, Rochester.

Patrick M. Gardner M.B. joined the Medical College of Wisconsin Department of Pathology on May 1, 2012. He is currently the Staff Pathologist, Medical Director of the Laboratory, and Vice President of Medical Affairs at St. Joseph’s Hospital, West Bend. He completed his schooling, Pathology residency and Nuclear Medicine fellowship at MCW.
Pathology 2012 - Fellows

Shannon Rathke, MD
Please welcome Dr. Rathke to her new position as fellow in Hematopathology. Dr. Rathke completed her undergraduate training at the University of Wisconsin – Madison and completed medical school training at University of Wisconsin School of Medicine and Public Health.

David Baewer, MD
Dr. Baewer will be joining Pathology as a GI Fellow. His undergraduate training was completed at Marquette University and attended medical school at the Medical College of Wisconsin.

Pathology 2012 - Residents

Bjorn Batdorf, MD
Dr. Bardorf completed his undergraduate training at the University of Minnesota and completed his medical training at the University of Minnesota Medical School.

Nicholas Harding-Jackson, MD
Dr. Harding-Jackson completed his undergraduate training at Vassar College. He went on to complete his medical training at Rush Medical College.

Carolina Polanco, MD (Evelyn)
Please welcome Dr. Polanco from the medical school Universidad Central del Ecuador

Adam Robin, MD
Welcome to Dr. Robin, who completed his undergraduate studies at the University of Manchester. His medical training was completed at St. Matthew’s University School of Medicine

Pathology 2012 - Observers

Karen Rocio Arispe Angulo, MD
Time: 5/1/12 – 4/30/13
From: Mexico
Location: Core Lab

Chen Luo, MD
Time: 7/1/12 – 10/31/12
From: China
Location: Core lab

Pablo Mucientes, MD
Time: 8/20/12 – 10/26/12
From: Chile
Location: Surgical Pathology Suite

Gerardo Vides Almonacid, MD
Time: 8/1/12 – 8/31/12
From: Gerardo Vides Almonacid
Location: Surgical Pathology Suite
Welcome New Staff in 2012

Welcome to new staff in the Department of Pathology.

Nancy Boinski  
**Administrative Associate**  
Nancy began her career at MCW in March 2012 as Dr. Suster’s administrative associate. She’s a graduate of Alverno College and comes to us with a diverse background in the residential remodeling / construction industry where she acquired task-management and organization skills as the Production Manager and Office Manager.

Alex Buschmann  
**Data Specialist II**  
Alex started April 2, 2012, as Data Specialist working with Barb McDonald. He comes from 10 years of Data Entry experience. He recently graduated from Cardinal Stritch University with an Associate’s Degree in Nursing. Currently, he is using his medical terminology and knowledge from his nursing degree combined with his data entry skills to do medical coding and data entry for the Pathology department.

Anne Case  
**Administrative Assistant III**  
Anne assists Jeanette Bjerke in Pathology Administration. In addition, she is back up to Dr. Suster’s assistant, and assists five faculty members as well as the Finance Manager and the Associate Administrator. She came from Wauwatosa East High School, where she was the assistant to the Principal and the two Associate Principals.

Deyanka Ogrizovic  
**Administrative Assistant III**  
Deyanka is currently working in the Translational Research and Core Lab as the departments administrative support person. She originally joined MCW in 1997 as a Senior Administrative Assistant to Dr. Theodore Kotchen, the Chairman in the Department of Medicine. Her long career here followed a research path as Dr. Kotchen became the Associate Dean for Clinical Research. She has gained a wide range of research and grant knowledge and has experience working with the IRB and the Research Subject Monitor at MCW. From 2001 to 2004 she was the Coordinator for the fMRI, Cancer and Pediatric Data and Safety Monitoring Boards. After Dr. Kotchen retired Deyanka joined our Pathology team and assists with the smooth functioning of our core lab.
Welcome to new staff in the Department of Pathology.

**Diane VerHaagh**  
*Financial Manager*  
Diane started in the Department of Pathology on October 18, 2011. She supports the Department Chairman and Administrator through effective management of both the internal financial resources of the department and external department financial obligations and business opportunities. She conducts financial planning, budgeting and reporting. Diane was previously employed by MCW (18 months) in the Department of Pediatrics – Division of Clinical Pharmacology, Pharmacogenetics & Teratology. Before MCW she worked as a Sr. Financial/Project Analyst for HK Systems (national leader in building and designing automation material handling equipment) for 12 years.

**Carol Vespalec**  
*Administrative Assistant III*  
Carol started at MCW in 1999 working for the American Journal of Physiology: Heart and Circulatory issue. After the editor’s term ended she moved to Craniofacial Plastic Surgery and worked there for almost seven years. Carol started in the Department of Pathology in October 2011.

**Sheng Xiong**  
*Systems Specialist II*  
Sheng is the computer guru for the Department of Pathology. He helps all troubled computers through human intervention. He has acquired knowledge in Network, Hardware and Software to try to push this department further in this evolving world of IT and Pathology. Previously, he worked in the Financial, Car, and Clinic fields for over 8 years helping to mold the noggin to think outside the box. It has been his goal on this plant to build the multiple beautiful relationships between human and machines.
THE MIDWESTERN CONFERENCE:

Update Course in Surgical Pathology

GYN
Molecular Diagnostics
Lymph Nodes
Soft Tissues
Head & Neck

Breast
Cytopathology
Immunohistochemistry
Lung
Neuropathology

Urologic Pathology
Skin
Thyroid
Salivary Glands
Liver

Course Director: Saul Suster, MD

September 14 – 16, 2012

Now Offering SAMs

Guest Speakers

Alberto Ayala, MD
Methodist Hospital
Houston, Texas

Kumarasen Cooper, MD
University of Vermont
Burlington, Vermont

Allen M. Gown, MD
PhenoPath Laboratories
Seattle, Washington

Ronald Rapini, MD
University of Texas Medical School
MD Anderson Cancer Center
Houston, Texas

Elvio G. Silva, MD
University of Texas Medical School
MD Anderson Cancer Center
Houston, Texas

Please join us September 14 – 16, 2012, at the InterContinental Hotel in Milwaukee, WI, for the 5th annual Midwestern Conference: Update Course in Surgical Pathology. This course has been designed to provide a comprehensive and practical update of diagnostic surgical pathology. Practicing surgical pathologists, surgeons, oncologists, pathologists-in-training, and other healthcare professionals are encouraged to attend.

The Medical College of Wisconsin is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Medical College of Wisconsin designates the live activity for a maximum of 19.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Medical College of Wisconsin is a provider for Self-Assessment Modules as defined by the American Board of Pathology, and has designated this educational activity for a maximum of 7 SAM credits.

http://www.mcw.edu/pathology/EdActivities/2012-Midwestern-Conference.htm#