PLEASE NOTE:
This is the ONLY program you will receive!

Registration Form Enclosed or Register Online!

Visit ascls-michigan.org for the online registration link and instructions

American Society for Clinical Laboratory Science - Michigan Annual Meeting & Exhibits
April 19 - 21, 2017
Radisson Plaza Hotel
Kalamazoo, MI
American Society for Clinical Laboratory Science - Michigan
Presents:
Laboratorians, Let’s Convene in ‘17!
April 19 - 21, 2017 • Radisson Plaza Hotel • Kalamazoo, MI

It’s that time again…ASCLS-Michigan is proud to bring you this year’s program, Laboratorians, Let’s Convene in ‘17! Be sure not to miss our 2017 Annual Meeting and Exhibits at the Radisson Plaza Hotel in Kalamazoo, Michigan. We are excited to bring you continuing education sessions presented by speakers who are the very best in their fields, an exhibit hall filled with industry-leading vendors and the opportunity to network with over 500 laboratory professionals. If all of that isn’t enough, there is still plenty to do at the end of each day, including honoring your peers at the annual ASCLS-Michigan Awards Ceremony and reconnecting with old friends at the Alumni Party! There is so much to do and so many talented people to meet. This is a three-day event you can’t afford to miss, so please join us when we Convene in ‘17!

Julie Sipnieski
ASCLS-Michigan Annual Meeting General Chair

General Information

Pre-Registration
Meeting attendees are strongly encouraged to pre-register by April 5th to receive the discounted registration rate. Please see pages 11 & 12 for instructions.

On Site Registration
On site registration is located near the bottom of the escalator on the Lower (Plaza Level) of the Radisson Plaza Hotel in Kalamazoo, Michigan.

Registration Desk Hours
- Wednesday, April 19th: 7:30 am to 4:00 pm
- Thursday, April 20th: 7:30 am to 4:00 pm
- Friday, April 21st: 7:30 am to 2:30 pm

Special Registration Information
Non-members: SAVE MONEY by joining the American Society for Clinical Laboratory Science. If you join prior to the meeting, you will receive 15 months membership for the price of 12 months AND you can take advantage of discounted registration rates, effectively making your ASCLS membership FREE!

ASCLS has made joining even easier with membership packages (for eligible groups of 10 or more individuals) created for educational institutions and employer groups within the scientific community.

Please visit ascls.org/membership/membership-packages for more details.

To mail your fee and application, download and print the appropriate application form at ascls.org/membership/join and follow the mailing instructions provided.

Badges
Registration identification badges must be worn for admission to all sessions, exhibits, meetings, workshops and social functions. Replacement badges may be obtained at the registration desk for a fee of $5.00.

Daily Prize Drawings!
Please visit the Exhibit Hall on Wednesday and Thursday for a chance to win daily prize drawings. Must be present to win!

Exhibit Hours

Wednesday, April 19
- Exhibits Open: 2:00 pm - 4:15 pm
- Dessert with Exhibitors: 2:00 pm - 3:15 pm

Thursday, April 20
- Exhibits Open: 10:30 am - 1:30 pm
- Beverage Break: 10:30 am - 11:15 am
- Lunch with Exhibitors: 12:15 pm - 1:30 pm

Continuing Education Credit
ASCLS-Michigan is an approved provider of continuing education by the P.A.C.E.® program, which is accepted by the Board of Certification (BOC) Certification Maintenance Program and all states. The ASCLS-Michigan Annual Meeting offers a wide range of educational opportunities to meet your continuing education requirements. 66 hours of quality P.A.C.E.® approved programming will be offered.

Attendees will self-prepare their P.A.C.E.® Certificate of Attendance after the meeting by using the online ASCLS C.E. Organizer program. Instructions will be included in the registration packet.

Poster Session
Student Posters will be displayed during the entire convention! Judging will take place Wednesday, April 19th, 2:00 - 4:15 pm. After judging, attendees have an opportunity to view the new and interesting scientific information presented by our future laboratory professionals, while earning P.A.C.E.® credit!

General Objectives of the Meeting
Through participation in the ASCLS-Michigan Annual Meeting, attendees will be able to:
1. Integrate the latest technologies into clinical laboratory practice.
2. Use management techniques and strategies to meet the challenges of operating a laboratory.
3. Correlate human pathophysiology and clinical laboratory data with disease states.
4. Network with peers and learn from the experiences of other laboratory professionals.
**Tuesday, April 18th**

**Pre-Convention Social & Brewery Tour**  7:30 pm
District 1 invites all attendees to enjoy a local Kalamazoo establishment while socializing with colleagues. All ASCLS-MI members, friends, and guests are welcome to attend this off-site social and brewery tour. Tibb’s Brewing Company is located at 402 South Burdick St - just a short walk from the Radisson Plaza Hotel. There is no cost for the tour, but a cash bar is available for those wishing to purchase a mug of brew!

*NOTE: This is a separate event from the ASCLS-MI Annual Meeting and P.A.C.E.® credit will not be available.*

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**Wednesday, April 19th**

**Keynote Speaker**  8:15 - 9:15 am
Jim Flanigan, CAE

Jim Flanigan, CAE, is the Executive Vice President of ASCLS and is an experienced and innovative association leader, with board expertise in analytic-based strategy, driving member and volunteer engagement and global strategy for non-profits. Specialties include strategic planning, results-oriented management, marketing, communications, research, and non-profit governance.

Jim serves as the chief executive officer of the Society and Charitable Education and Research Fund, providing overall leadership and direction to staff, managing contractors to ensure successful implementation of programs and activities endorsed by the Society, and ensuring management of the organization is fiscally responsible. He provides continuity of leadership to the membership, the clinical laboratory science community and the general public, and he assists volunteer leadership in meeting the Society's commitments and goals.

Photo & Bio Courtesy of LinkedIn

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**Lunch**  11:45 am - 12:45 pm

**Menu:** Braised Beef Short Ribs with Tarragon Demi-Glace, Whipped Potatoes, and Chef’s choice of Seasonal Vegetable. Includes House Salad with Ranch or Balsamic Vinaigrette, Rolls and Butter. Served with Freshly brewed Regular and Decaffeinated Coffee, Assorted Herbal & Organic hot Teas, Iced Tea, and Lemonade.

*NOTE: This Selection is Gluten Free*

$26 - RSVP and Ticket Required

Lunch available through pre-registration ONLY!

Purchase lunch all three days and save $10. See pages 11 & 12

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**Exhibitor Reception**  2:00 - 3:15 pm

ASCLS-MI hosts this complimentary reception to give you a leisurely opportunity to visit vendor booths and discover the latest in technology while enjoying their hospitality. We invite you to join us and visit with the vendors while enjoying the chef's beautiful assortment of desserts.

*All attendees are invited - Badges Required*  
*Please RSVP on the Registration Form*

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**Newcomer’s Reception**  2:30 - 3:00 pm  
Students, New ASCLS Members, and First-Time Attendees are cordially invited to meet with members of the ASCLS-MI Board of Directors. Explore and maximize your potential as an ASCLS and ASCLS-MI member!

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**Thursday, April 20th**

**Networking Breakfast & Membership Meeting**  7:45 - 9:15 am

Register to attend ASCLS-Michigan’s Networking Breakfast and Membership Meeting. Become informed on happenings in our organization and network with colleagues all while you enjoy a traditional continental breakfast.

**Complimentary - RSVP and Ticket Required**

*Please RSVP on the Registration Form*

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**Beverage Break w/Exhibitors**  10:30 - 11:15 am

The Beverage Break with Exhibitors will offer attendees another chance to network with colleagues and vendors. A selection of beverages will be served. *All attendees are welcome to attend!*

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**Student Forum & Beverage Break**  10:30 - 11:15 am

The student forum meeting will offer students a selection of beverages along with discussions led by the current student representative on issues of importance to students in the profession. *All students are encouraged to attend.*

*New This Year: A prize drawing will be held for those attending; must be present to win!*

**Complimentary - RSVP and Ticket required**  
*Please RSVP on the Registration Form*

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**Lunch with Exhibitors**  12:15 - 1:30 pm  

Come and view the exhibits and interact with vendors while enjoying lunch. This is an excellent opportunity to ask questions and spend individual time with your favorite exhibitor in a relaxed setting.

**Menu:** Seared Chicken Breast with Roasted Wild Mushroom Velouté, Rosemary Thyme Roasted Gold Potatoes, Chef’s Seasonal Vegetable. Includes House Salad with Ranch or Balsamic Vinaigrette, Rolls and Butter. Served with Freshly Brewed Regular & Decaffeinated Coffee, Assorted hot Herbal and Organic Teas, Iced Tea, and Lemonade.

*NOTE: This Selection is Gluten Free*

$26 - RSVP and Ticket Required

Lunch available through pre-registration ONLY!  
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**ASCLS-MI Awards Ceremony**  5:15 - 6:15 pm

The following honors will be presented: ASCLS-Michigan Member of the Year, Pam Agren Inspiration Award, Donna Duberg Mentorship Award, Martha Roulund Membership, and Presidential awards. Also honored will be Omicron Sigma nominees, winners of the Joseph Miller Memorial scholarship, poster/oral competitions, and mock certification examinations. See the January/February 2017 issue of *Newslinks* for details on these awards and more. Plan to attend and cheer the accomplishments of your peers!
All Schools Alumni Party 6:30 - 8:30 pm
Join educators, alumni, and friends from all schools and represent YOUR school while enjoying an evening of camaraderie, fun, and refreshments. Open to all meeting guests, the event will feature a buffet-style selection of mouthwatering appetizers that are sure to please. A cash bar will also be available during this event.

All attendees are invited. Badges are required
Please RSVP on the Registration Form

Friday, April 21st
Keynote Speaker 8:00 - 9:00 am
Jean Doss - Partner, Capitol Services, Inc.

Jean Doss, a Partner at the consulting firm Capitol Services, Inc. (CSI), has 25 years of experience as a governmental affairs consultant, providing legislative analysis and monitoring, direct lobbying, strategic planning, coalition building, and advocacy training. Jean and her partners at CSI have a diverse client base including professional associations, human service groups, and non-profit and corporate healthcare organizations.

In addition to her work under the Capitol dome, Jean has national and state experience in leadership training and governmental affairs program development. Jean is the recipient of the 2015 American Society for Clinical Laboratory Science - Board of Directors’ Award, and the 2014 Michigan Association of School Nurses Distinguished Service Award.

Photo Courtesy of LinkedIn

Lunch 11:45 am - 1:00 pm

$26 - RSVP and Ticket required
NOTE: This Selection is Gluten Free
Lunch available through pre-registration ONLY!
Purchase lunch all three days and save $10. See pages 11 & 12

Lifetime Achievement Award
Recipient: Deanna Klosinski
The ASCLS-Michigan Lifetime Achievement Award will be presented during the luncheon. This award is given to an individual with at least 20 years in the profession who has made outstanding contributions to advance, promote or improve the profession.

Thank You to the 2017 ASCLS-Michigan Annual Meeting Planning Committee
The work of the following individuals who volunteered their time and effort to make this meeting possible for the betterment of everyone in our profession is appreciated.

Julie Sipnieski, General Chairperson
Marian Cabaj Kay Castillo
Jean Garza Linda Goossen
Jonathan Gusilatar Eva Huang
John Ko Mattie Kropf
Carey Loveland Bekah Martin
Amy Morris Roger Paxton
Becky Potter Stephanie Rink
Romy Selzer Renee Sutton
Leslie Thompson Nick Wesener
Mariane Wolfe

ASCLS-Michigan Governance Sessions
Wednesday, April 19th 4:30 - 6:00 pm
Board of Directors Meeting

Thursday, April 20th 7:45 - 9:15 am
Networking Breakfast & Membership Meeting

All members are encouraged to attend!

Special Appreciation
The American Society for Clinical Laboratory Science-Michigan gratefully acknowledges the following organizations for their generous support of speakers and/or direct financial contributions towards the 68th Annual ASCLS-Michigan Meeting

American Proficiency Institute
Audit MicroControls
Aureus Medical Group
BD Diagnostics
Bio-Rad Laboratories
Detroit Medical Center
Forensic Fluids Laboratories
Grand Valley State University
Greiner Bio-One
Instrumentation Laboratory
Luminex Corporation
Magnolia Medical Tech
Mayo Medical Laboratories
Michigan State University
MLabs - University of Michigan
ORGENTEC - Corgenix
Peak Scientific
Roche Diagnostics
SCIEX
Siemens Healthineers
Streck
Sysmex
Thermo Fisher Scientific
Trinity Biotech

Without the contributions of the above organizations, we would not be able to offer this comprehensive, quality program.

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Luminex Corporation
Magnolia Medical Tech
Mayo Medical Laboratories
Michigan State University
MLabs - University of Michigan
ORGENTEC - Corgenix
Peak Scientific
Roche Diagnostics
SCIEX
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Romy Selzer Renee Sutton
Leslie Thompson Nick Wesener
Mariane Wolfe
Meeting Accommodations

Radisson Plaza Hotel
100 W. Michigan Avenue
Kalamazoo, MI 49007

Reservations:
(269) 343-3333
Web site: radissonkzoo.com

Room Rates: 
- $135 plus tax* Single/Double Occupancy
- $145 plus tax* Triple Occupancy
- $155 plus tax* Quad Occupancy

*State and local sales tax are not included in the above rates.

You must mention ASCLS-Michigan and reserve by March 28, 2017 to receive the discounted rate while these rooms are available.

Parking: Discounted rate for overnight guests and one-day attendees is $5.00/day.

Educational Program

NOTE: One hour of P.A.C.E.® credit is equal to 1 contact hour.

(B) Basic level: no prior knowledge necessary
(I) Intermediate level: some prior knowledge required
(A) Advanced level: extensive prior knowledge needed

Wednesday, April 19th

#1 Disruptive Belief (B) Jim Flanigan, CAE - Informed by two decades managing healthcare associations and engaging in work on healthcare policy, new ASCLS Executive Vice President Jim Flanigan, will describe a very different professional world laboratorians are likely to experience in the coming decade, and how they are underestimating the control they have over that change. By looking at transformative change in healthcare through the lens of the information age impact on other sectors, Flanigan will share practical strategies each laboratory professional can use to secure professional recognition and use their unique position to positively impact that care of patients nationwide.

#2 A Review of Inherited and Acquired Thrombotic Disorders (I) J. Lynne Williams, PhD, MLS - Imbalances between procoagulant and anticoagulant processes in the hemostatic system can result in an increased tendency to form thrombi. This session will review the factors that influence thrombus formation, emphasizing the multifactorial nature of the disease process. It will focus on the inherited and acquired factors that contribute to thrombophilia and currently available therapeutic options.

#3 Serum Versus Plasma Samples (I) Leonard Dunikoski, PhD, DABCC - How do we keep up with healthcare demands on turnaround time? Does this sacrifice sample quality?

#4 Compliance & Quality in the Clinical Laboratory (I) Laurie Gillard, MS, MLS(ASCP)CM, SBB - The complexity of operating a clinical laboratory requires an in-depth knowledge of quality systems as well as knowledge of regulatory requirements. Laboratory managers will need to understand the principles of the quality system essentials (QSEs) and be able to implement a quality management system (QMS).

#5 Incorporating Research in the MLS Undergraduate Curricula (I) Karen A. Reiner, MSCLS, MT(ASCP)PhDc - This session will present an overview of basic research conducted as part of the MLS curriculum, identify benefits of research in student learning, and program outcomes as well as explore program capacity to implement or improve research initiatives.

#6 CAR-T Cell Immunotherapy (I) John A. Gerlach, PhD, MT(ASCP), D(ABHI) - Chimeric Antigen Receptor - T cells are an example of ex-vivo construction of a biologic intended for immunotherapy. There are applications in managing oncology cases. Immunological side effects are common but manageable - these topics will be the focus of this talk.

#7 Chemistry Review (I) Julie Hall, MHS,MT(ASCP) - This session is designed to review major topics in clinical chemistry to prepare MLS students for the certification exam.

#8 Nonmalignant Lymphocytic Disorders (I) Roslyn McQueen, PhD - This presentation will discuss benign conditions associated with quantitative and qualitative alterations in lymphocytes. It will review and discuss infectious mononucleosis and other acquired disorders characterized by lymphocytosis. Emphasis is on the laboratory features that allow the diseases to be diagnosed and differentiated from neoplastic lymphoproliferative disease.

#9 10-Color Flow Cytometry: The Next Frontier (I) Jessica Scopis, MLS(ASCP) - This session will include an in-depth discussion on 10-color flow cytometry, the transition from 5 color to 10, and the benefits and disadvantages one may face when changing.

#10 One Health (I) Frances Pouch Downes, MT(ASCP)DrPH - In this session we will discuss the ‘One Health’ concept. We will review ecosystem changes and societal influences that affect human health and global efforts to identify and control these influences on human health.

#11 Transition to Management: An Insight from Within (I) Jerry Singleterry, MBA, MLS(ASCP)CM - If you’re ready for the next step, then look up. Take note of what you see, and change it. Management is like this most of the time, but for the right reasons. As the manager you will take the lead and follow, all at the same time.

#12 Rheumatoid Arthritis Diagnosis: Avoiding CCP False Positives through Test Selections (B) Rebecca Rosenberger, MMSC, PA-C - In this session we will review evidence-based approaches described in the American College of Rheumatology Guidelines for the diagnosis and management of RA. Discussion of test selection and how test efficacy and disease prevalence impact the accuracy of results will also be covered.
#13 Mission to Haiti (B) Paul Mazzara, MD - Speaker will discuss his experience participating in the medical mission trip to Haiti conducted through the Haiti Africa Relief Team (HART).

#14 Microbiology Review (I) Karen Krisher, PhD, D(ABMM), MLS(ASCP) - This session will use a series of short case histories as a basis to review the most important concepts relevant to the Board of Certification examination.

#15 CLS Online Education Programs (I) Laurie Gillard, MS, MLS(ASCP)SBB - Online education, also known as distance learning, is an accepted alternative and economical approach to continuing professional education. This presentation will introduce systems used to facilitate university teaching and learning through the use of media, computer software, and instructional design.

#16 How Lab Values Influence Clinical Decisions (I) Lynn S. Holcomb, DNP, APRN, FNP-BC - In this session we will discuss the effect laboratory testing has on primary care decisions and the various uses of lab values in different types of settings. We will also investigate the new relationships between patients, labs, and providers due to technology and its uses in the healthcare industry.

#17 Get Connected! - Resources for Students and New Grads (B) Brooke Seeba, BS - This session is geared toward assisting with the development of students and new or soon-to-be graduates looking to begin their careers in the clinical laboratory science profession. Topics will include resume writing and interviewing.

#18 Chronic Myelogenous Leukemia: An In-depth Review (I) Evelyn Graham, MT(ASCP) - This presentation touches briefly on types of leukemia but the main focus is on Chronic Myelogenous Leukemia (CML), providing an in-depth look at the cause of CML, how it is diagnosed, and how it is treated. Four case studies are presented to demonstrate how symptoms and treatments can vary from patient to patient.

#19 Procalcitonin (PCT) Use in Sepsis Management & Antibiotic Treatment Decisions (B) Jingzi Sherman, MD, MS, CCRA - This session will include an overview of sepsis definition, symptoms, diagnostic criteria, and treatment. We will review the clinical evidence of procalcitonin utility in diagnosis, prognosis, progression risk assessment and guiding antibiotic treatment decisions in sepsis patients. A discussion on the application of procalcitonin in clinical routine, including procalcitonin measurements and interpretations of results will be included.

#20 Unexpected Impact on the Laboratory from Immunotherapies (I) John A. Gerlach, PhD, MT(ASCP), D(ABHI) - An overview of antibody construction and design for immunotherapeutic use. Examples of how there can be interference with standard laboratory assays. Provision of ways to work with individuals of immunotherapy.

#21 Careers in IT: Moving from the Lab to the IT Profession (B) Tony Frith, MT(ASCP) QLICM, Joni House, MT(ASCP), & Brooke Lambert, MLT(ASCP) - The combination of a laboratory background with IT skills is a terrific combination for career advancement. Learn how these three laboratorians moved into IT. Learn what work life is like in IT and get their advice on experience, education, and professional skills needed to make the move.

Thursday, April 20th

#22 Quality Assurance (B) Randall V. Querry, BA - In this session, we will discuss the internal audit process and the benefits of conducting thorough audits in the laboratory. Discussion on corrective action and preventative action processes will also take place.

#23 Lymphocytes - You Can’t Always Believe What You See (B) Roslyn McQueen, PhD - Evidence of disease, especially infectious disease, can be observed by finding abnormal concentrations of lymphocytes and/or reactive lymphocytes on a peripheral blood smear. Most disorders affecting lymphocytes are acquired and are characterized by a reactive lymphocytosis. Some acquired disorders result in a lymphocytopenia that can compromise the function of the immune system. This reactive process results in changes in morphology that can be challenging to determine malignant versus nonmalignant conditions.

#24 Managing Trauma in the Blood Bank (I) Theresa Downs, MT(ASCP)SBB, COA(ASQ) - Trauma presents unique challenges to the Blood Bank. The nature of trauma is unplanned and an emergency situation. This session will describe what a Blood Bank needs to be able to respond quickly and safely to the needs of trauma patients.

#25 The Maturation, Morphology, and Mystery of Erythrocytes: RBC Review (B) Kristin Landis-Piwowar, PhD, MT(ASCP) - The circulating erythrocyte mass represents an oxygen transport organ. When erythrocytes deviate from the optimal bi-concave disc shape, tissue oxygenation is disrupted. This session will discuss the biochemical and physical processes that contribute to variation in erythrocyte shapes and inclusions and will include case studies for discussion.

#26 Expand Your Laboratory with the Use of Mass Spectrometry (I) Scott Harder, PhD - The use of Liquid Chromatography Mass Spectrometry (LC-MS/MS) is becoming more prevalent in clinical laboratories throughout the world. This is a powerful analytical tool that can perform qualitative and quantitative identification for the laboratory. This session will provide an overview of the fundamentals of LC-MS/MS.

#27 Transitioning from MLS to PA (B) Judith Casalou, PA-C - There are many benefits of being a Medical Technologist when considering your future as a Physician Assistant. Learn about those benefits and how they play into the daily life of a PA.
#28 ASCLS and the New Professional (B) Stephanie Rink, MLS(ASCP)CM - Are you new to the field of medical laboratory science, or are you a student about to become a new professional? Come learn what it means to be a professional, the role ASCLS plays in advocating for the medical laboratory profession, and explore the exciting developmental opportunities ASCLS provides for new professionals.

#29 Therapeutic Toxicology - Different Matrices, Different Levels (I) Bridget Lorenz-Lemberg, MS - This session will include a discussion about drug testing methods in the lab, what matrices you can test for drugs, and what the drug levels mean for dosing and monitoring. Did Aunt May take 2 or 22 Vicodin?

#30 The Maturation, Morphology, and Mystery of Leukocytes: WBC Review (B) Kristin Landis-Piwowar, PhD, MT(ASCP) - In the defense against pathogens and/or antigens, leukocytes can display morphologic changes. This session will provide a review of leukocyte maturation, morphology, and function and will include case studies for discussion.

#31 What’s New with Hemolytic Jaundice & Iron Salvage (I) Kathy Doig, PhD, MLS(ASCP)CMSHCM - You wouldn't think there could be anything new to be learned about the formation of bilirubin when red cells hemolyze, but there are still unanswered questions. Learn what’s new, what’s still unknown, and get a great review of how iron salvage is tied to bilirubin metabolism. It’s really all about the iron!

#32 Urinalysis Review with Case Studies (I) John Landis, MS, MT(ASCP) - This session will include a review and presentation on cases of typical and unusual renal and non-renal disorders that affect urinalysis results. Urinalysis physical, chemistry, and microscopic findings will be correlated with disease states.

#33 Next Generation Sequencing Testing (A) Marwan Tayeh, PhD, FACMGG - Next Generation Sequencing (NGS), or massive-parallel sequencing, includes a variety of technologies that permit rapid sequencing of large numbers of genomic DNA segments, up to entire genome. Therefore, NGS is the most cost effective and rapid way to perform comprehensive clinical genetic testing: Whole Genome, Whole Exome, and Disease-Targeted Panels.

#34 Forensic Toxicology - What Stands Up in Court (I) Bridget Lorenz-Lemberg, MS - This session will include a discussion about drug testing to be used as evidence in court. Differences between matrices and drug levels and what methods are used for drug detection in the lab will be reviewed. Common questions asked in court for a laboratory expert witness will be covered.

#35 Blood Bank for Hematology, or is it the Other Way Around? (I) Phyllis Kirchner, MSTM, MT(ASCP)SH SBBCM - This session will look at red cell membrane proteins and the role they play in the structure and function of red cells and the antigens they carry. The relationship of changes in red cell membrane proteins and their impact in the blood bank and/or hematology lab will be discussed.

#36 A Medical Laboratory Professional’s Guide to Government (B) Lindsey Hengesbacher, MS, MB(ASCP)CM & Stephanie Rink, MLS(ASCP)CM - In today’s ever-changing healthcare arena, we as medical laboratory professionals must advocate for our profession to make our role and importance in healthcare known. This session will cover how the Michigan government works, how to effectively interact with state and federal legislators, and how to stay informed about critical legislation.

#37 A Win - Win Approach to Laboratory Utilization Recommendations (I) Deborah Loniewski, BS, MT(ASCP) - This session outlines a clinical laboratory testing utilization plan for your outreach program and medical community. The effective strategies will guide you through ways to deploy your hospital’s utilization management program, share your formulary, and inspire clinicians to adopt new ordering habits.

#38 The Transfusion Services/Laboratory Connection: Unleashing Your Inner Sherlock (I) Phyllis Kirchner, MSTM, MT(ASCP)SH SBBCM - Much of what is learned about a patient’s condition comes from laboratory values. We will look at these various clues from the perspective of transfusion medicine.

#39 Natriuretic Peptides & Troponin Testing Today (I) Jennifer Marino, BSN, RN - This session is intended to familiarize health professionals and laboratorians with supporting data related to care of the patient with acute coronary and/or heart failure.

#40 Take the Lead - Using Clinical Microbiology as a Public Relations Tool for Career Recruitment and Professional Visibility (I) Donna Duberg, MA, MS, MT(ASCP)SM - The public craves information from germ specialists when news breaks about a food borne illness scare, such as tomatoes carrying salmonella. This session will give clinical microbiologists tips on doing print and broadcast interviews, which includes translating technical information for consumers, and strategies for becoming a “go-to” germ expert.

#41 Professional Self-Determination: What It Is, Why We Want It, How to Get It (B) Kathy Doig, PhD, MLS(ASCP)CMSHCM - Being a professional is more than doing excellent work for patients. It means supporting the collective of colleagues in one’s profession and acting to protect the profession, thereby achieving professional self-determination. Legislative involvement is one facet of achieving professional self-determination, so the history of licensing efforts in Michigan will be reviewed.

#42 New Immunotherapy Complicates Laboratory Detection of Monoclonal Proteins (I) David F. Keren, MD - Recent deployment of FDA - approved therapeutic monoclonal antibodies (t-mAbs) has provided remissions for patients with multiple myeloma who had failed other therapies, but their use also has led to false positive laboratory results. This course reviews these therapeutic advances and provides solutions to minimize interferences in electrophoresis testing created by their use.
#43 Thrombophilias: Appropriate Testing and Clinical Considerations (I) Steve Stone, MS, PA-C - This discussion will focus on the controversial subject of thrombophilia testing. We will review various clinical considerations that should be taken into account before such testing is performed on patients.

#44 The “Future World” of Flow Cytometry (I) Susan McQuiston, JD, MT(ASCP)CM, C.Cy - Developing applications and technologies in flow cytometry are “invisible” to most clinical laboratories before FDA approval. This session highlights some of the applications and technologies that will likely come to the clinical laboratory within the next 5 years. Basic concept review and its evolution to future technologies will be included.

#45 Food Borne Illnesses Be Gone (I) Donna Duberg, MA, MS, MT(ASCP)SM - This informative and entertaining presentation will take conference participants on a journey through the world of food borne illnesses and of hand hygiene focusing on the ever popular “hand washing” ritual. Resources will be provided to take this valuable information to the community.

#46 Legislative Update (B) Linda Goossen, PhD, MT(ASCP) - This session is a review of the issues discussed at the National Legislative Symposium held in Washington D.C. March 20-21, 2017. The importance of these legislative activities to the laboratory, laboratory professionals, and our patients will be highlighted. The format of the symposium will be described; a synopsis of the legislative meetings with our U.S. Senators and House Representatives will also be presented.

#47 Cultivating Laboratory Champions in the Legislature: Step-by-Step Advocacy (B) Jean Doss, BA - Now, more than ever, elected officials need to understand and value the role of the laboratory professional in protecting the health and safety of their constituents. Every laboratory professional has a role to play in cultivating laboratory champions in Lansing and in DC, and Jean’s step-by-step advocacy tips are easy, surprisingly fun, and empowering.

#48 Novel Hemoglobin Variant in Michigan College Student (I) Kelly St. George, MT(ASCP) & Susan McQuiston, JD, MT(ASCP)CM, C.Cy - A case report of an MSU student with a previously unreported hemoglobin B-chain variant will be presented and used to illustrate a classic presentation of B-thalassemia. A review of B-thalassemia, genetics, morphology, and other findings will be included.

#49 Plasma Cell Neoplasms - Review & Case Studies (I) John Landis, MS, MT(ASCP) - This session will be a review of the plasma cell myelomas and a presentation of cases of plasma cell myeloma including plasmacytoma, asymptomatic and symptomatic plasma cell myeloma, monoclonal gammapathy of undetermined significance, and lymphoplasmacytic lymphoma.

#50 PANDAS / PANS: Molecular Mimicry in the 21st Century (I) James Neuenschwander, MD - Dr. James Neuenschwander will discuss the recently recognized syndromes of acute psychiatric symptoms (anxiety, OCD, tantrums, etc.) caused by infections with Streptococcus (PANDAS) or other organisms (PANS), including the pathophysiology, diagnosis, and treatments of these syndromes.

#51 Blood Bank Review with Case Studies (I) Mary Burroughs, MT(ASCP) - This session is a review of blood bank principles using a case-study approach. Topics covered will include antibody identification, delayed transfusion reactions, and ABO discrepancies.

#52 Laboratory Safety - Do You have Safety Eyes? (B) Suzanne Butch, MA, MLS(ASCP)SBBCM - This interactive session will review safety issues in the laboratory. A combination of lab photos and case studies will be used.

#53 Development of Molecular Assay for Mucopolysaccharidosis Type I (I) Anna Sharkey, MS, MB(ASCP)CMMLT(ASCP)CM - This session will cover background information on the State of Michigan newborn screen, MPS I, and how the need for a molecular test for MPS I came about. A description of how the sequencing assay was developed and the impact of the assay on patients will also be included.

#54 The Human Microbiome (I) Richard Van Enk, PhD - Until recently, medicine has either ignored the microorganisms that make up the human body or assumed that they are all harmful. The new science of human microbiome studies has revealed that microorganisms are essential to our health. This session will help listeners understand and appreciate our microbiome and use what we know about it to improve our health.

#55 Your BOC Exam: What You Need to Know to Be Ready (B) Renee Sutton, MLS(ASCP)CM - This session will cover ASCP requirements for registration, format, test day procedure, and study materials for the Board of Certification exam. If time permits, sample study questions may be discussed.

#56 Zika Virus: Newest Challenge in Emerging Infectious Diseases (I) David M. Graham, MD - The story of discovery of the Zika virus, its means of transmission, and associated diseases will be shared. The path of spread from Africa to the Americas will be reviewed in conjunction with factors contributing to recent epidemics.

#57 Bleeding Disorders (I) Gerald A. Dayharsh, MD - This session will discuss some of the more common bleeding disorders, the underlying pathophysiology, and the appropriate laboratory testing.

#58 Interactive Medical Mystery - Psychosis (I) Laura Sue Felton-Zerafa, PA-C - This session will be an interactive medical challenge. Participants will be asked to discuss aspects of a case in which a person presents with psychosis to an Emergency Department. Participants will be able to ask questions about medical history, physical exam results, and symptomology. They will then formulate a list of lab tests that they believe would be helpful in solving the etiology of psychosis.

Friday, April 21st
#59 Device Addiction: Impacts on Work Productivity and Learning (B) Kathy Doig, PhD, MLS(ASCP)^CM SH^CM - As laboratorians, we believe we can multitask. In fact, humans can’t. Device usage slows and impairs work performance and learning. Find out what the research is revealing about those impacts. Managers, supervisors, students, teachers, and PARENTS should be interested in that! This session includes strategies for minimizing the negative impacts of device usage.

#60 Antibiotic-Resistant Threats: An Update on mcr-1 & Colistin Resistance (I) Rebekah Martin, MLS(ASCP)^CM - Despite medical advances in recent years, the progress toward updating antibiotics has all but stagnated, leading to fears of a return to a pre-antibiotic era. This session will discuss antibiotic resistance globally, specifically the recent emergence of colistin-resistant bacteria and the impact this has on healthcare.

#61 Immunology Review (I) J. Lynne Williams, PhD, MLS - This session will provide a review of the human immune system, including both innate and adaptive immunity. It would be of interest to both students preparing for their certification exams, as well as individuals who want an update on this continuously changing scientific field.

#62 Multiplex PCR Testing for Infectious Diarrhea (I) Richard Van Enk, PhD - Traditional laboratory testing for the diagnosis of infectious diarrhea has required many separate tests and lots of time, specialized techniques and highly trained staff, and fails to detect the majority of stool pathogens. New multiplex PCR tests for infectious diarrhea offer improvements in all these aspects, but have their own complications. Listeners will learn about the differences between the technologies and be able to decide which to use.

#63 Can We Predict Klebsiella pneumoniae Infections in Hospitalized Patients? (I) Michael Bachman, MD, PhD - K. pneumoniae infections are common in hospitalized patients and increasingly antibiotic resistant, but the risk factors for infection are unclear. Screening for colonization by the clinical microbiology laboratory, combined with assessing patient data, may be able to predict and ultimately prevent these deadly infections.

#64 Case Studies & Working for an Immunohematology Reference Lab (IRL) (I) Jeff Trimble, B.Sc., ART(CSMLS) - The use of actual case studies performed in the Michigan Blood IRL will be used to demonstrate the special testing needed to resolve intermediate level serologic patient problems. The audience will also receive an overview of the daily operations of an IRL and how a technologist can gain the skills and education needed to work in an IRL.

#65 Leadership Basics (B) Larry Collar & Mary Merritt-Wolf - In this interactive session medical laboratory scientists explore the qualities and behaviors necessary for a leader to be successful in a typical lab facility. Join experienced leadership and organizational consultants in identifying ways that an MLS can make the leap to leadership when opportunities arise in laboratories or anywhere along life’s journey.

Wednesday, April 19th

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30-4:00</td>
<td>Registration</td>
</tr>
<tr>
<td>8:15-9:15</td>
<td>1. Disruptive Beliefs (G)</td>
</tr>
<tr>
<td>9:30-10:30</td>
<td>2. A Review of Inherited &amp; Acquired Thrombotic Disorders (CG)</td>
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<td>3. Serum Versus Plasma Samples (C, BB)</td>
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<td>4. Compliance &amp; Quality in the Clinical Lab (LM)</td>
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<td></td>
<td>5. Incorporating Research in the MLS Undergraduate Curricula (G)</td>
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<td>6. CAR-T Cell Immunotherapy (IM)</td>
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<tr>
<td>10:45-11:45</td>
<td>7. Chemistry Review (C)</td>
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<td></td>
<td>8. Nonmalignant Lymphocytic Disorders (H)</td>
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<td>9. 10-Color Flow Cytometry: The Next Frontier (H)</td>
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<tr>
<td></td>
<td>10. One Health (G)</td>
</tr>
<tr>
<td>11:45-12:45</td>
<td>11. Transition to Management: An Insight from Within (LM/G)</td>
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<tr>
<td>1:00-2:00</td>
<td>Lunch</td>
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<tr>
<td>2:00-3:15</td>
<td>Dessert Reception with Exhibitors</td>
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<tr>
<td>3:15-4:15</td>
<td>17. Get Connected! - Resources for Students &amp; New Grads (G)</td>
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<td></td>
<td>18. Chronic Myelogenous Leukemia: An In-depth Review (H)</td>
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<td></td>
<td>19. Procalcitonin (PCT) Use in Sepsis Management &amp; Antibiotic Treatment Decisions (C)</td>
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<td>20. Unexpected Impact on the Laboratory from Immunotherapies (IM)</td>
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<tr>
<td>4:30-6:00</td>
<td>21. Careers in IT: Moving from the Lab to the IT Profession (G)</td>
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### Thursday, April 20th

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:30-4:00</td>
<td>Registration</td>
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<tr>
<td>7:45-9:15</td>
<td>Networking Breakfast &amp; Membership Meeting</td>
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<tr>
<td>9:30-10:30</td>
<td>22. Quality Assurance (G)</td>
</tr>
<tr>
<td>9:30-11:15</td>
<td>23. Lymphocytes - You Can’t Always Believe What You See (H)</td>
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<tr>
<td>9:30-11:15</td>
<td>24. Managing Trauma in the Blood Bank (BB)</td>
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<td>9:30-11:15</td>
<td>25. The Maturation, Morphology, &amp; Mystery of Erythrocytes: RBC Review (H)</td>
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<tr>
<td>9:30-11:15</td>
<td>26. Expand Your Laboratory with the Use of Mass Spectrometry (C)</td>
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<tr>
<td>10:30-11:15</td>
<td>Beverage Break with Exhibitors</td>
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<tr>
<td>11:15-12:15</td>
<td>27. Transitioning from MLS to PA (G)</td>
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<td>11:15-12:15</td>
<td>28. ASCLS &amp; the New Professional (G)</td>
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<td>11:15-12:15</td>
<td>29. Therapeutic Toxicology - Different Matrices, Different Levels (C)</td>
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<tr>
<td>11:15-12:15</td>
<td>30. The Maturation, Morphology, &amp; Mystery of Leukocytes: WBC Review (H)</td>
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<tr>
<td>11:15-12:15</td>
<td>31. What’s New with Hemolytic Jaundice &amp; Iron Salvage (C)</td>
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<tr>
<td>12:15-1:30</td>
<td>Lunch with Exhibitors</td>
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<tr>
<td>1:30-2:30</td>
<td>32. Urinalysis Review with Case Studies (U)</td>
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<tr>
<td>1:30-2:30</td>
<td>33. Next Generation Sequencing Panel Testing (MO)</td>
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<tr>
<td>1:30-2:30</td>
<td>34. Forensic Toxicology - What Stands Up in Court (C)</td>
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<tr>
<td>1:30-2:30</td>
<td>35. Blood Banking for Hematology, or is it the Other Way Around? (H/BB)</td>
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<tr>
<td>1:30-2:30</td>
<td>36. A Medical Laboratory Professional’s Guide to Government (G)</td>
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<tr>
<td>2:45-3:45</td>
<td>37. A Win-Win Approach to Laboratory Utilization Recommendations (LM/G)</td>
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<tr>
<td>2:45-3:45</td>
<td>38. The Transfusion Services/Laboratory Connection: Unleashing Your Inner Sherlock (BB)</td>
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<tr>
<td>2:45-3:45</td>
<td>39. Natriuretic Peptides &amp; Troponin Testing Today (C)</td>
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<tr>
<td>2:45-3:45</td>
<td>40. Take the Lead - Using Clinical Microbiology as a Public Relations Tool... (LM/M)</td>
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<td>4:00-5:00</td>
<td>41. Professional Self-Determination: What It Is, Why We Want It, How to Get It (LM, G)</td>
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<tr>
<td>5:15-6:15</td>
<td>ASCLS - Michigan Annual Awards Ceremony</td>
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<tr>
<td>6:30-8:30</td>
<td>All School Alumni Party (All Attendees Invited to Attend)</td>
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### Friday, April 21st

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:30-9:00</td>
<td>Registration</td>
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<tr>
<td>8:00-9:00</td>
<td>47. Cultivating Laboratory Champions in the Legislature: Step-by-Step Advocacy (G)</td>
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<tr>
<td>9:15-10:15</td>
<td>48. Novel Hemoglobin Variant in Michigan College Student (H)</td>
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<tr>
<td>9:15-10:15</td>
<td>49. Plasma Cell Neoplasms - Review &amp; Case Study (H)</td>
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<tr>
<td>9:15-10:15</td>
<td>50. PANDAS/PANS: Molecular Mimicry in the 21st Century (IM)</td>
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<td>52. Laboratory Safety - Do You have Safety Eyes? (S)</td>
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<tr>
<td>10:30-11:30</td>
<td>53. Development of Molecular Assay for Mucopolysaccharidosis (MO)</td>
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<tr>
<td>10:30-11:30</td>
<td>54. The Human Microbiome (M)</td>
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<td>55. Your BOC Exam: What You Need to Know to Be Ready (G)</td>
</tr>
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<td>56. Zika Virus: Newest Challenge in Emerging Infectious Diseases (M)</td>
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<tr>
<td>10:30-11:30</td>
<td>57. Bleeding Disorders (CG)</td>
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<tr>
<td>11:45-1:00</td>
<td>Lunch Presentation: Lifetime Achievement Award - Deanna Klosinski</td>
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<tr>
<td>1:15-2:15</td>
<td>58. Interactive Medical Mystery: Psychosis (G)</td>
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<td>62. Multiplex PCR Testing for Infectious Diarrhea (M)</td>
</tr>
<tr>
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<td>63. Can We Predict K. Pneumoniae Infections in Hospitalized Patients? (M)</td>
</tr>
<tr>
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<td>64. Case Studies &amp; Working for an Immunohematology Reference Lab (IRL) (BB)</td>
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<tr>
<td>2:30-3:30</td>
<td>65. Leadership Basics (G)</td>
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</tbody>
</table>

Session Handouts: No printed session handouts available on-site. Select handouts may be available on the website [www.ascls-michigan.org](http://www.ascls-michigan.org)
Please carefully review registration instructions on the reverse side before completing this form
Type or Print all information. Use one form for each registrant. Duplicate form as needed.

Name: __________________________________ Institution: ________________________________

Mailing Address: ________________________________________________________________

☐ Check to withhold name from directory ☐ Home or ☐ Business Address City State Zip

Email Address ____________________________________________________________________

Must be postmarked, faxed or registered online by April 5, 2017 to qualify for early registration (see #6-8 over). After April 5, 2017, please add $10 to total registration fee (C)

(A) Registration Type: Place an X in the boxes for the days you plan to attend & enter fee total.

<table>
<thead>
<tr>
<th></th>
<th>Wed 4/19</th>
<th>Thur 4/20</th>
<th>Fri 4/21</th>
<th>$ Fee Total</th>
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<tbody>
<tr>
<td>General: Member</td>
<td>$55/day</td>
<td>$155/3 days</td>
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<tr>
<td>General: Non Member</td>
<td>$110/day</td>
<td>$295/3 days</td>
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<td>Student: Member</td>
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<tr>
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<td>$100/3 days</td>
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<tr>
<td>Institutional Pass</td>
<td>$300 for first pass, $250 for each additional</td>
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<td>See #3 on reverse</td>
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<tr>
<td>Guest Pass</td>
<td>$25 - See #4 on reverse</td>
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<td>Emeritus member - See #5 on reverse</td>
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A) Registration Total $________

(B) Meals: Advance Purchase Only

Check here for vegetarian meals: ☐

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<thead>
<tr>
<th></th>
<th>Wed. Lunch</th>
<th>Thur. Lunch</th>
<th>Friday Lunch</th>
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<tbody>
<tr>
<td>Lunch all three days</td>
<td>$68.00</td>
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</tbody>
</table>

(B) Meals Total $________

Questions?
Call Amanda Empey 715.225.0541 or email: amanda@classicevents.net

Registration Options:
Register online at www.ascls-michigan.org
Send completed form with check payable to ASCLS-Michigan Annual Meeting c/o Classic Events 2109 County Highway OO Chippewa Falls, WI 54703
Fax registration form to: 800-680-2161 with payment mailed separately to above address (See #6-9 on reverse for details)

RSVP - Please answer the following questions:

I will attend the Dessert Reception (Wednesday) : ☐ Y ☐ N
I will attend the Networking Breakfast (Thursday): ☐ Y ☐ N
I will attend the Alumni Party (Thursday): ☐ Y ☐ N
I will attend the Student Meeting & Beverage Break (Thursday): ☐ Y ☐ N
I am willing to serve as a Moderator:

NO CONFIRMATION NOTICE WILL BE SENT

A) Registration Total $________

B) Meals Total $________

C) $10 Fee after 4/5: $________

GRAND TOTAL Enclosed $________

(Checks payable to ASCLS-Michigan or payment via credit card or online. See reverse for details)
Registration Instructions

1. **General Registration** (Wednesday, Thursday, and Friday): Fee includes admission to meetings, general sessions, social events, refreshment breaks, and exhibits. **All ticketed luncheon functions require additional fees and must be purchased in advance.** Purchase lunch on all three days for $68, a $10 savings - See Box “B” on registration form. It is important to indicate for which day(s) you are registering and the sessions you will be attending to ensure adequate seating. **Be advised that under-subscribed sessions may be canceled.** Room assignments and locations for sessions will be available at the registration desk.

2. **Student Registration**: Students who are enrolled in a full time laboratory curriculum may register for 1 day, 2 days, or all 3 days at rates indicated. Fee includes admission to meetings, student forum, general sessions, social events, refreshment breaks, and exhibits. **All ticketed luncheon functions require additional fees and must be purchased in advance.** Purchase lunch on all three days for $68, a $10 savings - See Box “B” on registration form. It is important to indicate for which day(s) you are registering and which sessions you will be attending to ensure adequate seating. **Be advised that under-subscribed sessions may be canceled.** Room assignments and locations for sessions will be available at the registration desk. **NOTE: Students should PLAN TO ATTEND the Newcomer’s Reception from 2:30 - 3:30 pm on Wednesday & the Student Forum Meeting & Beverage Break on Thursday from 10:30 - 11:15 am.**

3. **Institutional Registration**: Passes may be purchased to enable several employees from an institution to attend selected seminars during the meeting without each person needing to register for a single day. **A list of individuals who will be using the Institutional Badge and sessions they will be attending must accompany the registration. Please provide the name of a contact individual for questions concerning the registration.** The Institutional Registration Packet will include a name badge for each individual which must be worn by that individual while they are onsite.

4. **Guest Pass**: Includes access to exhibits, social events and the poster sessions. Meal functions and sessions requiring special fees are NOT included and must be purchased separately.

5. **Emeritus Members of ASCLS**: Receive complimentary General Registration, however a registration form must be submitted so a badge can be prepared. Meal functions and sessions requiring special fees are NOT included and must be purchased separately.

6. **Early Registration**: Registration forms with payment must be postmarked by April 5, 2017, to receive the discounted rate. After this date, ALL registrants MUST pay an additional $10 fee. Registrations may be faxed to (800) 680-2161 to qualify for early registration. Payment should then be sent prior to the meeting. Meal function tickets reserved by fax must be paid by April 5th or the reservation will be canceled. Meal function tickets will not be available for purchase on the day of the event.

7. **Online Registration**: Save time and money by registering online. Visit [www.ascls-michigan.org](http://www.ascls-michigan.org) for the registration link, follow the online instructions and pay using your PayPal or credit card account.

8. **Payment of Fees**: Enter billing address at top of previous page and credit card information below or mail check (U.S. dollars only), payable to ASCLS-Michigan along with the completed registration form to ASCLS-MI Annual Meeting, c/o Classic Events, Inc. 2109 County Highway OO; Chippewa Falls, WI 54729. For questions contact Amanda Empey at (800) 296-5954 or email to: amanda@classicevents.net.

   Check one:  ☐ VISA ☐ MasterCard                       Exp Date: _______/_______
   Account Number: [Redacted]

9. **Cancellation Policy**: Refunds equal to the amount paid, less $10.00 administrative fee, will be given to those registrants whose written notice of cancellation is received by April 5, 2017. Notification may be faxed to (800) 680-2161. After April 5, 2017, 50% of any fees paid will be refunded if ASCLS-MI received notification by April 10, 2017. Cancellations after April 10, 2017 may not be refunded.

10. **Special Needs**: If you have special needs that require accommodation, please contact Amanda Empey at (715) 225-0541 to make appropriate arrangements.

11. **Registrant Directory**: ASCLS-Michigan will develop a directory of all conference registrants which will be available to attendees and exhibitors upon request. Please check the box near the top of the registration form if you would like your name withheld from this directory.