

JOIN THE HERD



HERD IMMUNITY IS THE WAY OUT! CELEBRATE THE
VACCINE AND THE END OF A PANDEMIC YEAR

ASCLS- IDAHO
SPRING CONVENTION

APRIL 23 – 24, 2021

JOIN US VIRTUALLY VIA ZOOM

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Welcome to the 2021 ASCLS-Idaho Annual Spring Convention

I'd like to take a moment to welcome everyone to this year's spring convention. Herd Immunity is the way out and we are celebrating the COVID-19 vaccine and the end of a pandemic year. We have elected to hold this year's convention in a virtual format. I have been part of the convention planning committee for the last 5 years and it just gets better and better with each year. We have such a talented group of like-minded professionals who share in their passion and love for the laboratory. It is such a privilege to know them and share in their collaborative efforts to give you the most enriching and rewarding experiences possible. I believe we have put together a great line up of educational sessions, vendor spotlights, and, of course, our Friday night social! This really is an amazing opportunity to come together with lab professionals from all over Idaho. You can rekindle old friendships, ignite new friendships, and mingle virtually with our future lab professionals from ISU's MLS program! I can tell you from personal experience that we have the best lab family around. I am always inspired and in awe of the love and support our state members bring to the society!

Our hope is that the combination of educational sessions with amazing speakers on all the hot topics in clinical laboratory science will leave you feeling empowered to take on the many obstacles of life in the laboratory! Again, I welcome you to "JOIN THE HERD" at the ASCLS-Idaho Spring Convention of 2021.

Mary Cobos, ASCLS-Idaho President

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Special Notes

PACE® Validation: ASCLS-Idaho is approved as a provider of continuing education programs. All general sessions and workshops are PACE® approved. Continuing Education credits are now documented electronically by the participant through the ASCLS website using the CE Organizer program at the conclusion of the conference. All attendees will receive a P.A.C.E Documentation Form with instructions when they register at the conference. This form will list all sessions and workshops with the P.A.C.E. number and a space to note the applicable session or workshop number. The session number is a unique number assigned to that session or workshop and will be announced at the end of each session. Attendees will need to write that number down on their P.A.C.E. Documentation Form. Within 30 days after the conclusion of the conference, attendees must log on to the CE Organizer at the ASCLS website to enter their documentation and print their P.A.C.E certificate. After 30 days, attendees will be unable to enter documentation for this conference or print a P.A.C.E certificate. Attendance rosters and P.A.C.E stickers will not be used at this conference. Retain the completed P.A.C.E Documentation Form along with the P.A.C.E. certificate for your permanent record.

ASCLS Membership

Becoming an ASCLS-Idaho Member: ASCLS-Idaho is the Idaho branch of the American Society for Clinical Laboratory Science. When you join, you become a member of both organizations. Your membership demonstrates your commitment to supporting and advancing your chosen profession. ASCLS and ASCLS-Idaho provide you with connections to other clinical laboratory professionals that can prove invaluable in your career. In addition, ASCLS maintains a professional lobbyist in Washington D.C. who monitors legislations that may affect our profession and actively works to represent our views and needs.

Professional: \$108 (\$96 to renew) + \$10 State dues. Includes all membership privileges, discounts to continuing education events, and subscriptions to the monthly ASCLS newsletter ASCLS Today, the award-winning bi-monthly journal Clinical Laboratory Science, and the ASCLS-Idaho newsletter Focus.

Ascending Professional: \$60 (\$48 to renew) + \$10 State dues - Ascending Professional membership is open to any individual eligible for Professional membership, if the individual has not held previous membership other than Developing Professional or Ascending Professional membership in this Society and is within five years of graduation from a program of clinical laboratory studies.

Developing Professional: \$24. Developing Professional membership shall be open to any person enrolled in a program of clinical laboratory studies.

Emeritus: \$24. Open to any an individual who has been a professional member of ASCLS and **whose age and years of continuous professional membership are equal to or greater than 90**. If you think you qualify, please email ascls@ascls.org.

Community: \$72 to join (\$60 to renew). Community membership shall be open to all persons. Community membership is **NOT eligible** for member discounts for live ASCLS national events and does **NOT count** towards continuous professional membership in the society, which is used for eligibility of emeritus membership status. Community members cannot hold office or vote in ASCLS elections.

General Convention Information

Social Function

Friday, April 23

Zoom social7:00-8:00 pm

Business Meeting

Saturday, April 24

Business Meeting12:00-1:00 pm

ASCLS-Idaho 2021 Convention Guide

Time	Friday, April 23
7:00 – 8:00 pm	Evening Social Via Zoom

Time	Saturday, April 24
8:30 – 8:50 am	Welcome and Instructions
9:00 – 10:00	Keynote G-1
10:00-10:15 am	Exhibitor Commercial/Drawing
10:15-11:15 am	Break Out Session A1 Break Out Session A2 Break Out Session A3
11:15 – 11:30 am	Exhibitor Commercial/ Drawing
12:00 – 1:00 pm	Business Meeting
1:00 – 1:15 pm	Exhibitor Commercial/Drawing
1:15 – 2:00 pm	Student Presentations
2:00 – 2:15 pm	Exhibitor Commercial/Drawing
2:15 – 3:00 pm	Student Presentations
3:00 – 3:15	Closing Remarks and Final Instructions

Time	ARUP Sessions
3:15	Links to be distributed

Saturday, April 24 Workshops

9:00-10:00 am

General Session G1 – COVID-19 Vaccine Development

Speaker: Dr. Neeltje van Doremalen

Sponsor: ASCLS – ID

In this session, we will discuss the development of COVID-19 vaccines, from preclinical stage to approval and beyond. We will discuss how vaccines work, and how it was possible to get vaccines approved fast.

10:15-11:15 am

Break Out Session A1 - Implications for Post Vaccination Serology Testing

Speaker: Melanie Pollan, PhD, MT(ASCP) Director, Scientific & Clinical Affairs

Sponsor: Siemens

This session will provide an overview of the potential utility of serology testing for SARS-CoV-2 for both pre- and post-vaccination applications.

10:15-11:15 am

Break Out Session A2 - Intersection of COVID and Transfusion Medicine

Speaker: Walter Kelly, MD, PhD

Sponsor: ARC

The presentation will discuss the intersections of Transfusion Medicine and the current pandemic. This discussion will include the creation and monitoring of donor and staff safety measures, management of patient transfusion needs in the face of extreme blood availability challenges, and the evolution of convalescent plasma as a therapeutic intervention in the setting of COVID-19, including therapeutic apheresis for severe COVID-19 infection.

10:15-11:15 am

Break Out Session A3 - CLIA WWWWWH

Speaker: Mary Cobos MLS (ASCP)^{cm}

Sponsor: ASCLS - Idaho

This will be an informative session explaining the who, what, when, where, why and how of CLIA. All the answers to the questions you are dying to ask!

1:15- 3:00 pm

Research Presentations

Speakers: ISU MLS Students

Sponsor: ISU

The students from this year's ISU MLS program will be presenting their research projects. Come join them as they share a synopsis of their research findings. This session will be split into two 45-minute segments with a 15-minute break in between.

The following lectures are sponsored by **University of Utah School of Medicine, Department of Pathology, and ARUP Laboratories**

These video lectures are provided as an educational opportunity and resource for laboratory professionals and provide continuing education credits upon the completion of a quiz which is provided after the video is viewed in its entirety. The quiz must be passed with a score of 80 percent or higher to obtain credit.

Microscopy of CSF and Body Fluids

Speaker: Tracy I. George, MD.

In this lecture Dr. Tracy George focuses on the microscopy of cerebrospinal fluid, pleural fluid, peritoneal fluid, and pericardial fluid. Both normal and abnormal cell types will be shown and features that help distinguish benign from malignant cytology will be discussed. Recommendations for additional ancillary studies will also be explored.

Hematology M+Ms: Morphology Mystery and (Case Studies)

Speaker: Karen A. Brown, MS, MLS(ASCP)^{cm}

Hematology instrumentation has advanced to now routinely include at least a five-part differential and, in some laboratories, automated cell image analysis. Yet, a manual examination of the blood smear is still an essential procedure that provides valuable diagnostic information. This session will use case studies to define important morphologic variations and physiologic processes in selected disease conditions.

Endocrine Regulation of Blood Pressure

Speaker: Grace M. Kroner, PhD

This presentation will provide an overview of the factors that affect blood pressure and how the endocrine system plays an important role. Endocrine

disorders that may present with high blood pressure will be reviewed. A focused discussion on primary hyperaldosteronism will explain how this disorder results in hypertension, and how laboratory testing is critical for its diagnosis. Finally, the problem of low blood pressure will be discussed, and laboratory testing for diabetes insipidus (which may present with low blood pressure) will be outlined.

Urine Toxicology Testing to Support Pain Management and Treatment for Substance Use Disorder

Speaker: Yifei Yang, PhD, DABCC

As controlled substances are prescribed in pain management and addiction treatment settings, urine drug testing is frequently adopted to monitor and assure clinical adherence to treatment plans. The purpose of such testing is to verify expected drug use, in addition to identify unexpected drug use. Because the clinical utility is different from traditional drug of abuse testing, the testing strategy and approaches are designed accordingly to minimize both “false positive” and “false negative” results. Based on the clinical utility of different drugs detected, the analytical workflow can be further adopted to optimize sensitivity and specificity of each individual drug.

Carbapenem Resistance and Carbapenemase Detection in the Clinical Microbiology Lab

Speaker: Rebekah M. Martin PhD, MLS(ASCP)^{cm}

Antimicrobial resistance has been recognized by the Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO) as a major global public health problem. Carbapenem resistance, a type of antimicrobial resistance, has been designated an urgent threat to public health here in the United States. Of particular concern are organisms that harbor transmissible genes encoding carbapenemase enzymes. Determining if an organism produces a carbapenemase and identifying which carbapenemase is produced can help guide antibiotic therapy in patients infected with these organisms and can also be useful epidemiologically.

This talk will discuss carbapenem resistance mediated by carbapenemase production and will provide information on several current test methods for the detection of carbapenemases in the clinical microbiology laboratory. Activity of newer antibiotics against individual classes of carbapenemases will also be discussed.

Review of Malaria and Plasmodium Species

Speaker: DeVon C. Hale, MD

This is a basic overview of the disease malaria and the causative agents, *Plasmodium* species. The life cycles of the parasites and their differentiating characteristics in the human host are discussed, for *Plasmodium falciparum*, *P. ovale*, *P. vivax*, *P. malariae*. Case studies demonstrate the disease states caused by each species.

Resolution of ABO Discrepancies

Speaker: Justin R. Rhees, MS, MLS(ASCP)^{cm}, SBB^{cm}

It is crucial to correctly identify ABO discrepancies. All ABO discrepancies must be investigated, and the underlying cause identified before a patient or donor’s correct blood type can be resulted.

Behavior Based Safety Programs

Speaker: Christina K. Kulakowski

This presentation will explore the basics of human behavior, identify the concepts of a traditional safety program, identify the concepts of a behavior-based safety program, and describe how to create and maintain a positive safety culture through a behavior-based safety program.

When Professionals Meet: Bridging the Gap Between Laboratory and Nursing.

Speaker: Lucinda Manning, BA, MT(ASCP), RN

Ms. Manning will give a comparison of the differences in learning in the laboratory and nursing professions. She will share personal examples of the struggles each profession has in understanding each other. She will also discuss practical ways to bridge the gaps in understanding between the two professions. Ms. Manning encourages the audience to be interactive and to share problems as well as best practices and successes in bridging the gap between these two professions.

Speaker Information

Melanie Pollan, PhD, MT(ASCP), Director, Scientific and Clinical Affairs

Dr. Pollan began her career more than 20 years ago with a BS in Clinical Laboratory Science, and served the laboratory in several roles including technologist, consultant, and administrator. She furthered her studies by pursuing both a Master of Science and a Doctor of Philosophy in Clinical Health Science at the University of MS Medical Center with an emphasis in pathophysiology. While completing her studies, she conducted research on sustained drug delivery systems and the impact of androgens on the male reproductive system.

Dr. Pollan demonstrates her passion for laboratory medicine on a daily basis by supporting laboratorians and clinicians with education in multiple diagnostic disciplines, including cardiac, infectious disease, diabetes, sepsis, and endocrinology.

Walter Kelly, MD, PhD

Dr. Kelley serves as a Medical Director in the Utah/Nevada; Colorado/Wyoming and Idaho/Montana Regions of the American Red Cross, where provides medical oversight for blood donation and blood products manufacturing, testing and distribution. He also provides consultation to physicians for patients with complex transfusion needs. Dr. Kelley is laboratory director of three regional high complexity immunohematology reference laboratories in Utah, Montana, and Idaho. He is the Director for collections and cell processing at the LDS Hospital Bone and Marrow Transplant program. He provides treatment of patients with prostate cancer in Utah and Idaho. Dr. Kelley's current research endeavors include serving as Principal Investigator for the American Red Cross-National Cell Therapy program, which provides immune cells, to research partners for the development and production of cancer and other therapies. Dr. Kelley earned his Bachelor of Science degree in Food Science and Human Nutrition and minor in Zoology from the University of Florida and his Doctor of Osteopathic Medicine degree from Midwestern University's Arizona College of Osteopathic Medicine. He completed his pathology residency and clinical chemistry fellowship at the University of Maryland. He then served as a civilian in the US Public Health Service as a clinical fellow in the department of Transfusion Medicine at the Clinical Center of the National Institutes of Health. Dr. Kelley has authored or co-authored over thirty book chapters, manuscripts and abstracts.

Mary Cobos, MLS (ASCP)

Mary was born and raised as a country girl from Bartlesville, Oklahoma. She loves owls, country music, coffee and chocolate! Her laboratory career began in July 1998 when she joined the Air Force. After basic training, she was sent to Sheppard AFB in Texas where she attended a medical laboratory science program. Upon graduation of the program, she was sent to Travis AFB in California for clinical rotations. While continuing to serve, she met the love of her life and had 3 amazing kids. George was born and raised in Quito, Ecuador. His family came to the US during his junior year of high school and he joined the Air Force as a Pharmacy Technician. Her son, Anthony, will be turning 16 in May and is in 10th grade. Her daughter, Stephanie, is 13 and is in the 8th grade. Her daughter, Kristy, is 8 and is in the 3rd grade. After a long and memorable career in the military, Mary and her husband decided to move to Idaho to attend Idaho State University. They both went back to school in the fall of 2011 in pursuit of their MLS degrees. That's right! She convinced him to forget all about the pharmacy because we all know that the lab is the COOLEST! He graduated from the MLS program at ISU in 2014 and has been working as an MLS at Express Labs in Idaho Falls ever since. Mary graduated in 2015, with honors, from the MLS program at ISU. Just after graduating, she began working as the Laboratory Manager at Blackfoot Medical Center in Blackfoot, Idaho. Almost year and a half later she accepted the Laboratory Manager position at Mountain View Hospital and moved her family from Pocatello to Idaho Falls. She has been actively involved in ASCLS for 5 years and is currently serving as the ASCLS-Idaho President. She has served on the spring convention planning committee for the last 4 years as the Sponsorship chair. She is a recipient of the Key to the Future award and served as a Delegate representing Idaho at the 2016 ASCLS annual meeting in San Diego, California. She has dedicated the last 20 years of her life to this profession, and she loves it more than ever. Laboratory medicine is not just her career, but her passion! She wants to share that passion through her ASCLS involvement with the hope that it will inspire more people to get involved and bring more awareness to the profession!

Big thanks to our exhibitors and sponsors! Please see asclsidaho.org for short videos showcasing new and exiting updates in the world of laboratory medicine.