



Academy of Clinical Laboratory Physicians and Scientists

Spring 2022 Newsletter

Editor: Grace M. Kroner
Cleveland, Ohio

President's Letter — Anthony Killeen

Dear Colleagues,

Happy Spring! As I write this letter, there are several things on my mind that I must share with you. The first are the Bylaws changes that are being presented to you for your approval as voting members of ACLPS. The most important change will split the existing role of combined Secretary-Treasurer into two positions, Secretary and Treasurer. We are asking for your approval of this change because the workload involved has reached the point where it really requires two people to manage the duties of these roles. All our Officers are volunteers who have full time positions in their respective institutions and offer their time to this organization. I am so grateful to Dr. Tatiana Yuzyuk for her extraordinary work as Secretary-Treasurer. The second Bylaws change offers language that allows future ballots to be done by “other electronic means” in addition to the existing mail, email, and fax methods. The third change defines the fiscal year of the Academy. There are also some minor changes that you can read in the ballot you will receive. I am very grateful to Dr. Elizabeth Frank, our immediate Past-President, who led the ad-hoc group that drafted the Bylaws changes. You will be receiving the ballot for the changes to the Bylaws, and I strongly ask for your support for these change.

The second thing on my mind is the threat to many of our academic clinical laboratories that is posed by the FDA's plan to take oversight of Laboratory Developed Tests (LDTs). This has the potential to insert a new, burdensome, and expensive layer of regulations for many of our labs that have developed tests that are not FDA-cleared, and which are used primarily for local patient care needs. Common examples of these tests include molecular genetic tests and analyses using mass spectrometry. Academic laboratories are often at the cutting-edge of new clinical test development as we can quickly translate findings from basic research to clinical practice. This is one of the hallmarks of the field of academic laboratory medicine. That model will be threatened and may become impractical for many labs if the regulatory load and cost are dramatically increased. All clinical laboratory testing today falls under the CLIA regulations in the U.S., and our position is that the CLIA framework provides sufficient safeguards to ensure the reliability of our testing and the safety of patients.

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Special points of interest:

- 2022 Lab Medicine meeting is June 23 - 25
- Remember to submit your vote for 2022 candidates
- ACLPS has always relied heavily on the generous financial contributions of its membership to support programs such as the Young Investigator Awards Program. If you would like to make a donation, the link is <https://aclps.wildapricot.org/Donate>.

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President's Letter (continued)

The immediate threat is that the enabling legislation that would give oversight to the FDA is contained in the Verifying Accurate Leading-edge IVCT Development Act (VALID). It has been proposed to incorporate this legislation into a separate bill, the Medical Device Use Fee Amendments (MDUFA) Reauthorization Act. The latter is a “must-pass” piece of Congressional legislation that establishes the user fees that medical device companies pay the FDA. In November, ACLPS signed onto a letter with many other clinical laboratory societies, the AMA, and the Association of Pathology Chairs asking for CLIAC to continue its own assessment of the status of LDTs. I personally have met with staff in the office of Senator Tina Smith (from my own state of Minnesota) and plan to meet with Representative Angie Craig (also from Minnesota) to argue that the VALID legislation should not be incorporated in the MDUFA bill. I encourage you to contact your own representatives about this issue and to ask for excluding the VALID language from the MDUFA bill.

On a happier note, plans for the Annual Meeting in Seattle are moving along very nicely. At this time, it looks as if everything will be in place for the first in-person ACLPS meeting since 2019! It will be such a pleasure to see everyone again and to catch up on what we've all been doing over three years since our last in-person meeting. Dr. Theresa Nester and her team at the University of Washington have done a great job in preparing for this year's program. For me, the highlight of the meeting is always the Young Investigator Program and the presentations from the future leaders of our field. Please do plan to attend this year.

I am really looking forward to seeing you all in Seattle in June!

With kind regards,

Tony

Anthony A. Killeen, MD, MSc, PhD

President

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Education Committee Update — Amit Gokhale

ACLPS Young Investigator Award Grant Program

We reviewed applications for this year's Paul E. Strandjord Young Investigator Grant Program. These grants are for research relevant to clinical laboratory science, clinical pathology, and laboratory medicine. Proposed research may be clinical, translational, basic science, quality improvement, and/or regulatory. Grant recipients must either be in training (residency and/or clinical or research fellowship) OR less than 3 years after their first faculty appointment (any level) at the time of application. Funding for individual grants is limited to \$7,500. Three award winners were selected and they will be present at the upcoming ACLPS Annual Meeting in Seattle to accept their awards. The three awardees will be expected to present their research at the subsequent ACLPS Annual Meeting. We encourage participants to apply for next year's cycle. Additional information (including eligibility requirements, applications, and a promotional poster) will be forthcoming on the ACLPS website.

Question Writers for the RISE and RISE-First Exams

The ACLPS Education Committee is recruiting volunteers to serve as question writers for the RISE/RISE-First/PRISE Questions. ACLPS is a collaborating society for the RISE examination, and ACLPS members have been outstanding question writing contributors. This is a great way for Active Members to contribute to resident education. Information on RISE can be obtained from the ASCP RISE staff Jay Wagner (jay.wagner@ascp.org).

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2022 Annual Meeting Invitation

The 57th ACLPS Annual Meeting will be hosted by the University of Washington in Seattle, WA from Thursday, June 23rd through Saturday, June 25th, 2022.

The meeting organizers are developing an educational and scientific program that includes interesting and innovative sessions from a wide range of clinical pathology and laboratory management topics. Examples include the latest work with stem cell technology and regenerative medicine, the current state of MLS programs and managing the need for certified technologists, and the prescient issue of patient-centered capitalism.



As always, the ACLPS meeting will highlight the work of early career scientists in the field of Laboratory Medicine and Pathology, with sessions that include the Young Investigator Award presentations, the Ellis Benson Award and Lecture, and research presentations by the recipients of the Paul E. Standjord Young Investigator Grant. This year's Ellis Benson award recipient is Dr. Melanie Yarbrough from Washington University in St. Louis, MO. Dr. Yarbrough will speak Saturday morning. On Friday, the Cotlove lecture on "Regenerating the Human Heart with Stem Cells" will be delivered by Charles E. Murry, MD, PhD. Dr. Murry is currently the Director of the Institute for Stem Cell and Regenerative Medicine at the University of Washington. He is a longstanding member of both the Department of Laboratory Medicine and Pathology and the Department of Bioengineering at UWMC.

The 2022 Awards Banquet will be held at Museum of Flight, the largest independent, non-profit air and space museum in the world! With over 175 aircraft and spacecraft, tens of thousands of artifacts, millions of rare photographs, dozens of exhibits and experiences, and a world-class library, the Museum and its collections bring mankind's incredible history of flight to life.

All conference activities will take place at the Sheraton Grand Seattle, located at 1400 6th Avenue, Seattle, WA 98101. The Sheraton is located in the heart of downtown Seattle. A car is not necessary for guests staying at the Sheraton. The nearby area is very walkable and features an international restaurant community, the Pike Place Market, the Seattle Art Museum, other tourist, and cultural attractions as well as a vibrant retail neighborhood.

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2022 Annual Meeting Invitation

If you find yourself with extra time to explore, Seattle has lots to see and do. No trip to Seattle is complete without visiting the historic Pike Place Market. An easy walk or quick ride on the Monorail will take you to the Seattle Center, where you can visit the top of the Space Needle, the Chihuly Glass Museum, or the Frank Gehry-designed MoPop Museum.

Along the waterfront, Piers 52 to 70 are bustling with attractions, restaurants, and shops, including the Seattle Aquarium and Ivar's Acres of Clams. Walk a mile north to explore the Olympic Sculpture Park, an outdoor art installation open year-round! Or if you're in the mood for a ride across the water, take a quick ferry ride over to Bainbridge Island for a taste of small-town charm.

Depending on how much time you have, there is something in Seattle for everyone. For a comprehensive list, we encourage you to check out [Visit Seattle](#).

The Seattle-Tacoma International Airport, commonly referred to as Sea-Tac, is served by all major airline carriers and is less than 20 miles from downtown Seattle. Upon arrival at Sea-Tac, there are plenty of transportation options for the short trip to Seattle. Uber and Lyft both operate from Sea-Tac, as well as other taxi/shuttle services.

An even more convenient and inexpensive option is the Sound Transit light rail. Trains depart the station on the fourth floor of the airport parking garage approximately every 10 minutes. The ride will take about 40 minutes to the Westlake Station. Follow the exit signs for 5th Ave./Pine St. and Nordstrom, and you'll emerge two blocks away from the conference hotel.

Meeting registration is now open at <https://cvent.me/N3nIaM>.

Registration includes conference materials, admission to exhibits, participation in conference sessions, continental breakfast, lunches, refreshment breaks, opening reception and awards banquet. Additional banquet tickets can be purchased for \$200 each during the registration process. Fees by registration date and membership status are as follows:

	Through May 23	May 24 - June 23	June 24 - June 26
Active ACLPS Member	\$475	\$575	\$675
Associate ACLPS Member	\$425	\$525	\$675
Non-Member	\$575	\$675	\$675

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2022 Annual Meeting Schedule – Thursday, June 23, 2022

7:30 – 8:30 am	Continental Breakfast
8:30 – 8:40 am	Welcome, Introductions
	Scientific Session 1
8:40 – 9:20 am	SARS-CoV-2 testing: now and forever. Alex Greninger, MD, PhD, MS, MPhil Assistant Professor; Director, Retrovirology Laboratory; Department of Laboratory Medicine and Pathology, University of Washington
9:20 – 10:05 am	Bacterial Genome Sequencing in Molecular Microbiology: Diagnostic Applications and Clinical Insights Stephen J. Salipante, MD, PhD Associate Professor; Head, Next-Generation Sequencing (NGS) Analytics; Department of Laboratory Medicine and Pathology, University of Washington
10:05 – 10:25 am	Break
	Scientific Session 2
10:25 – 10:30 m	Introduction to Session 2
10:30 – 11:15 am	Mass Spectrometry and the Siren-Song of Indirect Reference Intervals Daniel T. Holmes, MD, FRCPC Clinical Professor; Division Head, Clinical Chemistry; Department of Pathology and Labora-
11:15 – 11:55 am	Kidney Precision Medicine Jonathan Himmelfarb, MD Professor; The Joseph W. Eschbach Endowed Chair in Kidney Research; Director, Kidney Research Institute; Director, Center for Dialysis Innovation; Director, Kidney Precision Medicine Project; Division of Nephrology, Department of Medicine, University of Washington
12:00 – 1:00 pm	Lunch

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2022 Annual Meeting Schedule – Thursday, June 23, 2022

Scientific Session 3

- 1:00 – 1:05 pm Introduction to Session 3
- 1:05 – 1:50 pm Transfusion Conundrum: Who gets what and why?
Monica B. Pagano, MD
Associate Professor; Head, Transfusion Medicine Division; Medical Director of Transfusion Services; Associate Director, Pathology Residency Program; Department of Laboratory Medicine and Pathology, University of Washington
- 1:50 – 2:35 pm Blood Group Genotyping
William J. Lane, MD, PhD
Associate Professor; Department of Pathology, Brigham and Women’s Hospital, Harvard University
- 2:40 – 3:00 pm Break

Scientific Session 4

- 3:00 – 3:05 pm Introduction to Session 4
- 3:05 – 3:45 pm Informatics Challenges with Providing Inclusive Care for the LGBTQ Patient Population
Matthew D. Krasowski, MD, PhD
Clinical Professor of Pathology; Walter L. Bierring Professor of Clinical Education; Medical Director, Clinical Chemistry and Point of Service Laboratories; Medical Director, Iowa River Landing Laboratory; Vice Chair for Clinical Pathology and Laboratory Services; Associate Director, Residency Program, Pathology; University of Iowa
- 3:45 – 4:25 pm What’s going on when the medical director is away: an update from the lab
Max J. Louzon, MS, MLS(ASCP)^{CM}SBB^{CM}
Assistant Teaching Professor; Director, Medical Laboratory Science (MLS) Undergraduate Program; Department of Laboratory Medicine and Pathology, University of Washington
- 4:25 – 5:05 pm Integrative Diagnostics: Making the Diagnostic Expert the Most Important Member of the Healthcare Team Now
Michael Laposata, MD, PhD
Professor and Chair; Department of Pathology, The University of Texas Medical Branch at Galveston
- 5:05 pm Ending comments
- 6:00 pm Reception

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2022 Annual Meeting Schedule – Friday, June 24, 2022

7:30 – 8:30 am	Continental Breakfast
8:30 – 10:00 am	Young Investigator Presentations 1
10:00 – 10:30 am	Break and Poster Presentations
10:30am – 12:00 pm	Young Investigator Presentations 2
12:00 – 1:30 pm	Lunch and Business Meeting
1:30 – 1:40 pm	Cotlove Introduction and Award
1:40 – 2:30 pm	Cotlove Lecture Regenerating the Human Heart with Stem Cells Charles E. Murry, MD, PhD Professor; Director of the Institute for Stem Cell and Regenerative Medicine (ISCRM); William and Marilyn Conner Chair for the Institute for Stem Cell and Regenerative Medicine (ISCRM); Department of Laboratory Medicine and Pathology, University of Washington
2:30 – 3:00 pm	Break and Poster Presentations
	Scientific Session 5
3:00 – 3:05 pm	Introduction to Session 5
3:05 – 3:45 pm	Cell-free DNA testing in pregnancy and oncology Christina M. Lockwood, PhD, DABCC, DABMGG Associate Professor; Division Head, Genetics & Solid Tumors; Department of Laboratory Medicine and Pathology, University of Washington
3:45 – 4:25 pm	40 years in 40 minutes – a life in Laboratory Medicine Wayne Chandler, MD Clinical Professor (retired); Department of Laboratory Medicine and Pathology, University of Washington; Head of Clinical Pathology (retired); Seattle Children’s Hospital
4:25 pm	Ending Comments
5:30 – 6:00 pm	Shuttles to Awards Banquet at Museum of Flight
6:00 – 7:00 pm	Social Hour at Awards Banquet
7:00 – 9:00 pm	Awards Banquet at Museum of Flight
8:30 pm	Shuttles begin returning to hotel

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2022 Annual Meeting Schedule – Saturday, June 25, 2022

7:30 – 8:30 am	Continental Breakfast Scientific Session 6
8:30 – 8:35 am	Introduction to Session 6
8:35 – 9:10 am	The Purpose-Driven Laboratory Brian R. Jackson, MD, MS Associate Professor; Medical Director, Support Services, IT, and Business Development; University of Utah School of Medicine
9:10 – 9:50 am	New Developments in Defining and Achieving Diagnostic Excellence and Implications for Laboratory Medicine and Pathology Hardeep Singh, MD, MPH Professor; Baylor College of Medicine; Chief, Health Policy, Quality and Informatics (HPQI); Director, Diagnosis Improvement Safety Center (DISCOVERY); Department of Veteran Af- fairs
9:50 – 10:10 am	Break
10:10 – 10:20 am	Introduction to Benson Award and Lecture
10:20 – 11:10 am	Benson Lecture Melanie Yarbrough, PhD Assistant Professor, Department of Pathology and Immunology, Washington University; Medical Director of Clinical Microbiology, Infectious Disease Serology, and Urinalysis, Barnes-Jewish Hospital in St. Louis
11:10 – 11:15 am	Introduction to Standjord Young Investigator Research Grant
11:15 – 11:35 am	Standjord Young Investigator Research Grant Lecture 1
11:35 – 11:55 am	Standjord Young Investigator Research Grant Lecture 2
11:55 am	Closing Remarks

The University of Washington School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Washington School of Medicine designates this live activity for a maximum of 11.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Cotlove Award Announcement

Cotlove Award Winner: Charles Murry, MD, PhD

Cotlove Award Lecture: Regenerating the Human Heart with Stem Cells

Friday, June 24, 1:40 – 2:30 pm



Dr. Charles (Chuck) Murry received his bachelor's degree in chemistry from the University of North Dakota, followed by MD-PhD training at Duke University, where he studied myocardial ischemia-reperfusion injury. He did residency training in Pathology at the University of Washington, followed by fellowship training in vascular biology and diagnostic cardiovascular pathology. He is currently a professor in the departments of Laboratory Medicine & Pathology, Bioengineering, and Medicine/Cardiology at the University of Washington.

Murry's research focuses on stem cell biology, with an emphasis on understanding differentiation of the human cardiovascular system and using these cells to study diseases and to regenerate damaged tissues. His group is a world leader in heart regeneration and is working toward a clinical trial using cardiomyocyte therapy.

In addition to running his research group, Dr. Murry is the director of the UW Institute for Stem Cell and Regenerative Medicine. He has served on many local, national and international committees, spoken widely about stem cells and cardiovascular medicine, and he has received numerous awards for teaching and scientific achievement. Dr. Murry is a member of the ISSCR Board of Directors and the ISSCR Clinical Translation Committee.

Most recently, Murry moved part of his research group to Sana Biotechnology, where he now serves as Head of Cardiometabolic Therapy. His team at Sana is working to bring stem cell-based heart regeneration into clinical trials.

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Benson Award Announcement

Benson Award Winner: Melanie Yarbrough, PhD

Benson Award Lecture

Saturday, June 25, 10:20 – 11:10 am



Dr. Melanie Yarbrough earned her PhD in Molecular Microbiology at the University of Texas Southwestern Medical Center in Dallas, where she utilized molecular and biochemical methods to characterize bacterial enzymes that disrupted host cell signaling to promote remodeling of the actin cytoskeleton. With her foundation of knowledge in both biochemistry and microbiology, Melanie went on to complete dual fellowship training in Clinical Chemistry and Medical and Public Health Microbiology at Washington University in St. Louis and is board certified in both disciplines.

She brought this unique skill set to the Department of Pathology and Immunology at Washington University when she joined the faculty in June 2017. She is an Assistant Professor in the department and currently serves as the Medical Director of Clinical Microbiology, Infectious Disease Serology, and Urinalysis at Barnes-Jewish Hospital in St. Louis. In this capacity, she enjoys participating on multidisciplinary teams and using a variety of approaches to optimize diagnostic test utilization and improve provider understanding of laboratory results.

Her clinical research interests intersect within the boundaries of clinical chemistry, microbiology, and molecular diagnostics. She has focused on evaluating methods for detection, isolation, and identification of pathogens of the bloodstream and urinary tract. She is interested in gaining a better understanding of the influence of microbiota of the genitourinary system on the interplay between disease and health in the urinary tract.

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ACLPS Bylaws — Proposed Change

Since founding of the Academy in 1966, ACLPS has had a combined role of Secretary-Treasurer. Over the years, the duties assigned to the Secretary-Treasurer have increased, and it is time to split this role into two distinct offices: a Secretary and a Treasurer, with duties to be performed by separate people.

In October 2021, President Anthony Killeen asked several ACLPS members to form a small committee to work on the process, including a bylaws change, to divide the role of Secretary-Treasurer into two separate offices: Secretary and Treasurer. This committee consisted of Drs. Charles Eby, Elizabeth Frank, Jonathan Genzen, James Gorham, Christopher Tormey, and Tatiana Yuzyuk. The goal of the committee was to write a proposal to submit to the membership in 2022 for a vote for approval. The Committee drafted bylaws changes to create separate positions for Secretary and Treasurer and submitted the proposed changes to the Executive Council for review in March 2022. The Executive Council approved the language of the changes, and the proposal now goes to the Membership for a vote to amend the bylaws.

Proposed amendments to the Academy's bylaws must be provided to the membership at least thirty (30) days before the Annual Business Meeting. Active members are asked to vote on the bylaws change. This year, active members can vote electronically, by email, or by regular mail (for details please refer to the 2022 ACLPS Election Ballot in this newsletter).

The revised bylaws are available for review on the [ACLPS website](#). The current ACLPS bylaws can be found at <https://www.aclps.org/governance>. Amendments to the bylaws require the affirmative vote of two-thirds (2/3) of those members voting.

The Executive Council strongly recommends approval of this change and asks for your vote in favor of splitting the roles of Secretary and Treasurer into two distinct offices.

Please direct questions to Tatiana Yuzyuk, ACLPS Secretary-Treasurer, at ACLPS@aruplab.com.

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2022 ACLPS Election Ballot

Voting is taking place via email. If you are unable to use the membership portal link (aclps.wildapricot.org) for voting, please return the completed ballot shown below by June 17, 2022 to ACLPS@aruplab.com or by mail to Tatiana Yuzyuk, ACLPS Secretary-Treasurer, c/o ARUP Laboratories, 500 Chipeta Way, MC 115, Salt Lake City, UT 84108.

President-Elect 2022-2023 <i>(Vote for 1)</i>	<input type="checkbox"/> Angella Charnot-Katsikas, MD (Loyola University) <input type="checkbox"/> _____ (Nomination from the Membership)
Executive Council 2022-2025 <i>(Vote for 2)</i>	<input type="checkbox"/> Zara Herskovits, MD, PhD (Memorial Sloan Kettering) <input type="checkbox"/> Brian Shirts, MD, PhD (University of Washington) <input type="checkbox"/> _____ (Nomination from the Membership) <input type="checkbox"/> _____ (Nomination from the Membership)
Nominating and Awards Committee 2022-2025 <i>(Vote for 1)</i>	<input type="checkbox"/> Melanie Yarbrough, PhD (Washington University) <input type="checkbox"/> _____ (Nomination from the Membership)
Education Committee 2022-2025 <i>(Vote for 3)</i>	<input type="checkbox"/> Kayode Balogun, PhD (University of Saskatchewan) <input type="checkbox"/> Liyun Cao, PhD (University of Alabama) <input type="checkbox"/> Ronald Jackups, MD, PhD (Washington University) <input type="checkbox"/> _____ (Nomination from the Membership) <input type="checkbox"/> _____ (Nomination from the Membership) <input type="checkbox"/> _____ (Nomination from the Membership)
Membership Committee 2022-2025 <i>(Vote for 1)</i>	<input type="checkbox"/> Kelly Doyle, PhD (University of Utah Health) <input type="checkbox"/> _____ (Nomination from the Membership)
Website Committee 2022-2025 <i>(Vote for 2)</i>	<input type="checkbox"/> Christina Pierre, PhD (University of Pennsylvania) <input type="checkbox"/> Geoffrey Smith, MD (Emory University) <input type="checkbox"/> _____ (Nomination from the Membership) <input type="checkbox"/> _____ (Nomination from the Membership)
Proposed Bylaws Amendments	<input type="checkbox"/> For <input type="checkbox"/> Against

Academy of Clinical Laboratory Physicians and Scientists

Our academy was founded in 1966 and currently has active affiliations with 70 of the approximately 150 academic and community training centers that train pathology residents in clinical pathology. From its origin, it has followed the mission statement of being dedicated to the advancement of teaching and scholarship in laboratory medicine.

Email: ACLPS@ARUPLAB.COM
