

ACS 2022 Annual Meeting
Preliminary Program

Wednesday, May 11

- 2:30 – 5:00 Registration
- 3:00 – 5:00 Executive Committee Meeting (Lincoln Boardroom)
- 5:30 – 7:30 Opening Reception (Jefferson Atrium)

Thursday, May 12 (Lewis Salon)

- 7:00 Registration
- 7:00 Complimentary Breakfast (Breakfast sitting area)
- 8:15 Welcome – ACS President and Meeting Chair (Lewis Salon)

Theme: Precision Medicine in Health and Disease (Lewis Salon)

- 8:30 **Abraham J. Gitlitz Memorial Lecture**
Drug Development in Academia During a Pandemic, Kenneth E. Palmer, Ph.D.
(Louisville, KY)
- 9:15 Acetylation Pharmacogenomics: Paradigm for Informed Individual Risk
Assessment Following Exposure to Environmental Carcinogens, David Hien,
Ph.D. (Louisville, KY)
- 10:00 Coffee Break (Embassy Foyer)
- 10:30 Rolling with the Punches: A Biosafety Program at a Research University
Addresses COVID-19, Allen Helm, PhD (Chicago, IL)
- 11:00 An interdisciplinary Post-Operative Personalized Pain Management Clinical Trial,
Saeed Jortani, PhD (Louisville, KY)
- 11:30 Session Adjourns
- 12:00 **Luncheon Seminar (Lewis Salon)**
Recent Advances in Artificial Heart Technology & Applications, Mark Slaughter,
MD (Louisville, KY)
- 12:45 Session Adjourns

Theme: Precision Medicine and Pharmacotherapy in Health and Disease (Lewis Salon)

- 1:00 **Claude P. Brown Memorial Lecture**
The Many Roads to Steatohepatitis and Its Treatment, Craig McClain, MD
(Louisville, KY)

- 1:45 Bioactive Lipid Metabolites: Novel Therapeutic Targets and Potential Treatment Strategies in Alcohol-Associated Liver Disease, Irina A. Kirpich, PhD (Louisville, KY)
- 2:15 Proteomic and Phospho-proteomic Signatures of Alcohol-Associated Hepatitis, Josiah E. Hardesty, PhD (Louisville, KY)
- 2:30 Beneficial Effects of Soluble Epoxide Hydrolase Inhibition in Alcohol-Associated Liver Disease: Application of a Novel Liver-Specific Drug Delivery Platform, Jeff B. Warner, BS (Louisville, KY)
- 2:45 COVID-19 and Early Post-Primary TB: Commonalities of Pathobiology Pneumonitis and Therapies, Robert Brown, MD (Houston, TX)
- 3:00 Coffee Break (Embassy Foyer)

Theme: Molecular Genomics in Precision Medicine (Lewis Salon)

- 3:30 Plasma ctDNA for Monitoring Response to Immune Check Point Inhibitors, Mark W. Linder, PhD (Louisville, KY)
- 4:00 Quantitative Methods of Monitoring Circulating Tumor DNA, Evan Alexander, PhD (Louisville, KY)
- 4:30 Value of Next Generation Sequencing in Myeloid Neoplasia, Mustafa Al-Kawaaz, MD (Louisville, KY)
- 5:00 Forecasting Clinical Behavior and Therapeutic Response of Breast Carcinoma using Gene Expression, James Wittliff, PhD, Hon MD, (Louisville, KY)
- 5:30 Session Adjourns
- 6:00 - 7:30 Open Reception (King Lewis Atrium)
- 6:30 Musicale Rehearsal (William Salon)
- 7:30 – 10:00 Young Fellows & CCFP Event (Location TBD)

Friday, May 13

Theme – Advanced Technologies in Clinical Sciences (Lewis Salon)

- 7:00 Registration
- 7:00 Complimentary Breakfast (Breakfast sitting area)
- 8:15 Imaging Mass Spectrometry: Applications in Biomedical Research and Clinical Diagnosis, Yusheng Zhu, PhD (Hershey, PA)

- 8:45 Immune Landscape in Sentinel Lymph Nodes from Melanoma Patients by Single-Cell Mass Cytometry (CyTOF) Analysis, Kavitha Yaddanapudi, PhD (Louisville, KY)
- 9:15 Application of MassARRAY System in Molecular Diagnostics – Pharmacogenomics and Oncology, Shuko Harada, MD (Birmingham, AL)
- 9:45 Coffee break (Embassy Foyer)
- 10:15 Implementation of Alzheimer's Disease Biomarkers in Clinical Practice: Pre-Analytical and Clinical Considerations, Alicia Algeciras-Schimmich, PhD (Rochester, MN)
- 10:30 Evaluation of SARS-CoV-2 Viral RNA Detection, Using Massarray, RT-qPCR and UltraFast RT-PCR Assays, Bene Ekine-Afolabi, PhD (Sandwich, Kent, UK)
- 10:45 Session Adjourns
- 11:00 Buses board to Churchill Downs Museum (Mohamad Ali Blvd Entrance)
- 11:30 – 4:30 Afternoon tour – Churchill Downs, includes museum movie, lunch, and horse racing
- 6:00 Annual Reception (with bourbon tasting – see below) and Awards Banquet (Edison I & II & Foyer)
Master of Ceremonies: Joshua Bornhorst PhD, ACS President
Presentation of Association Annual Awards: Myra Wilkerson, MD, Awards Chair
Guest Speaker: Ms. Susan Reigler "From Grain to Glass: The Science Behind Kentucky Bourbon"

Saturday, May 14

- 7:30 Registration
- 7:30 Complimentary Breakfast (Breakfast sitting area)

Morning Split Sessions

- 8:30 – 12:00 **Session A – Clinical Pathology in Practice** (Lewis Salon)
[Sponsored by the Scientific Section on Therapeutics and Toxicology]
- 8:30 Triggered MRM for Untargeted Urine Drug Testing: Finding What You Aren't Looking For, Joshua Hayden, PhD, (Louisville, KY)
- 8:45 Advances in the Assessment of Orexin-A (hypocretin-1) Deficiency in the Diagnosis of Type 1 Narcolepsy, Joshua Bornhorst, PhD (Rochester, MN)
- 9:00 Zika Outbreak in Dominican Republic 2016: A Review, Frederick Kiechle, MD, PhD (Boca Raton, FL)

- 9:15 Rapidly Evolving and Fatal Military Tuberculosis and COVID-19 Infection in an Infant, Anindita Ghosh (Houston, TX)
- 9:30 A Postulated Cross Talk between Insulin Growth Factor Binding Protein 3 (IGFBP-3) and IGFBP-7 May Suggest a Critical Role in Carcinogenesis, Fan Shen, MD, PhD (Edmonton, AB, CA) – paper to be presented by Consolato Sergi, MD, PhD
- 9:45 Coffee Break (Embassy Foyer)
- [Sponsored by the Scientific Sections on Immunology and Hematology & Transfusion Medicine]
- 10:00 Measure Directly, Treat Efficiently. Critical Bleeding Management at the Speed of Sound, Oksana Volod, MD (Los Angeles, CA)
- 10:30 Managing the Challenges of Running a Transfusion Service During the COVID-19 Pandemic, Claire Mena-Leist, MD (Louisville, KY)
- 10:50 Evolution of HLA Testing from Beginnings to Current and Future Developments, Tiffany Bratton, Ph.D. (Louisville, KY)
- 11:10 The CNS-Penetrating Taxane Drug TPI 287 Potentiates the Antiglioma Activity of the AURKA Inhibitor Alisertib *in vivo*, Müge Sak, MS (Louisville, KY)
- 11:30 SARS-CoV-2 Antibody Testing in the Post-Vaccine Era: Comparing Assays for Standardization, Sarrah Lahorewala, PhD (Houston, TX)
- 11:45 Session Adjourns

8:30 – 12:00 **Session B – Anatomic Pathology in Practice** (Clark Salon)

[Sponsored by the Scientific Section on Cell and Tissue Pathology]

- 8:30 How to be a Better Surgical Pathology Consultant, Neda Zarrin-Khameh, MD, MPH (Houston, TX)
- 9:00 The Diagnostic Role of Fusion-Gene Analysis in Ambiguous Bone and Soft Tissue Neoplasms, Haider Mejbil, MD (Birmingham, AL)
- 9:25 Distinct Lesions of Host Defense and Bacterial Offense in Tuberculosis, Robert Hunter, MD (Houston, TX)
- 9:50 Coffee break (Embassy Foyer)
- 10:10 Agonal-Stress Vesicles in Critically Ill Children Confused with Microvesicular Steatosis, John Hicks, MD, DDS, PhD, (Houston, TX)

- 10:35 Transmission Electron Microscopy (TEM): A Tool Often Underused for Pediatric Small Round Blue Cell Tumors Opening New Venues for Single-Cell Technologies, Consolato Sergi, MD (Ottawa, ON)
- 11:00 Chondroid Chordoma Presenting as Oropharyngeal Mass in Pediatrics, John Hicks, MD, DDS, PhD, (Houston, TX)
- 11:25 Deciduositis Adjacent to an Ileouterine Fistula in the Setting of Crohn's Disease: Case Report and Literature Review, Lance Van Truong MD (Providence, RI)
- 11:45 Session Adjourns

12:00 – 1:30 **Annual Luncheon Business Meeting of the Association** (Lewis Salon)

Afternoon Combined Session (Lewis Salon)

[Sponsored by the Scientific Sections on Clinical Informatics and Biotechnology]

- 1:30 Implementing Digital Pathology and AI in an Academic Health System, Dibson Dibe-Gondim, MD, (Louisville, KY)
- 2:00 Establishing a Hospital AI Committee: Enhancing Precision Medicine, Andrew A. Borkowski, MD, (Tampa, FL)
- 2:30 Artificial Intelligence in Radiology: Hype, Hope, or Hysteria, Narayan A Viswanadhan, MD (VA, Tampa, FL)
- 3:00 Data Literacy in Healthcare: A Vital Component of Precision Medicine Joyce J. Ou, MD, PhD (Providence, RI)
- 3:30 Coffee Break (Embassy Foyer)
- 3:50 Digital Health Applications and Key Characteristics Related to At-Home Testing Outcomes, Lee Springer (Boston, MA)
- 4:20 Validation of Artificial Intelligence-Based System for Prostate Cancer Detection and Grading, Taryme Lopez Diaz, MD (Louisville, KY)
- 4:45 Session concludes
- 5:00 – 7:30 Dinner on your own, if desired (see below)
- 7:30 – 10:00 Association Musicale and Art Show, with wine and “heavy” hors d’oeuvres reception at Intermission (William Salon)