



Clinical Science Trumpet

Newsletter of the Association of Clinical Scientists

Vol 36, No 2 - April 2016

Final Program: ACS Annual Meeting May 4-7 2016, Little Rock, Arkansas

Arlington Resort Hotel and Spa, Hot Springs

Deadline for Hotel Registration: April 15th

Deadline for Meeting Pre-Registration: April 28th

The 136th Meeting of the Association of Clinical Scientists will be held in Little Rock, Arkansas on May 4th through 7th, 2016. **Joshua A. Bornhorst, PhD**, and the members of the Program Committee cordially invite you to attend this outstanding conference to be hosted by the University of Arkansas for Medical Sciences (UAMS) Department of Pathology. The hotel for the Association's 136th Meeting is the historic Arlington Resort Hotel and Spa in Hot Springs, Arkansas. Since 1875, the Arlington has been hosting guests as one of the South's premier resorts...truly an American treasure.

The Thursday and Saturday sessions will be held at the hotel, whereas the Friday morning lectures and tour will be at The University of Arkansas. Tour participants will be able to see UAMS selected laboratories. The program theme will be **Diagnosis, Prognosis, and Management of Multiple Myeloma**. The entire first day will be devoted to Multiple Myeloma and new treatment strategies. The Abraham J. Gitlitz Memorial Lecture will be presented by **Gareth Morgan, MD**, with a presentation entitled *An Overview of Multiple Myeloma*.

FRIDAY HIGHLIGHTS

On Friday afternoon, attendees will have an optional bus tour to see the **Clinton Presidential Library** and **Little Rock Central High School**. The Clinton Presidential Library and Museum is located within the William J. Clinton Presidential Center and Park. The Center includes the Clinton Foundation and the University of Arkansas Clinton School of Public Service. In addition to the archival collections and research facilities, the Clinton Presidential Library and Museum features exhibits, special events, and educational programs. The museum includes replicas of the Oval Office and the Cabinet along with documents, photographs, video and interactive stations. A timeline and alcoves highlight domestic and foreign policy, as well as life in the White House.

The Little Rock Central High School National Historic Site was the scene of the desegregation crisis in 1957 that



Arlington Hotel, Hot Springs, AR

followed the 1954 Supreme Court decision in Brown versus Board of Education. When police were unable to control an angry crowd of more than 1000, President Eisenhower dispatched the National Guard to escort the nine black students that initially integrated the school. This museum is now operated by the National Park Service.

RECEPTION AND BANQUET

The Association's annual reception and banquet will be held on Friday evening in the elegant Magnolia Room at the historic Arlington Hotel. In addition to the presentation of the Association's annual awards, the banquet will include a lecture by **Jonathan Wolfe, PhD**, entitled *Reconstruction and Origins of UAMS*.

SATURDAY HIGHLIGHTS

Saturday morning will feature split tracks for Anatomic and Clinical Pathology. *continued on page 2*

Page 3 — Abraham J. Gitlitz Lecture
Banquet Speaker

Page 4 — Program/Schedule, 136th Meeting

Page 8 — President's Corner
Auxiliary President's Letter

Page 9 — Registration Form, 136th Meeting
Travel Grants

Page 11 — NEWS: ACS Joins Coalition
OBIT: Joseph Allan Tucker Jr., MD

LUNCHEON SESSIONS

There will be outstanding luncheon seminars on Thursday and Saturday that registrants will definitely want to attend. On Thursday, **Rebecca Levy, Jeanette Ramos, Erica Olgaard** will report on *Differentiation of Multiple Myeloma and Other Disease Processes*. On Saturday, **Aubrey Hough, MD**, former University of Arkansas Pathology department chair, will report on *Earthquake Preparedness*.

HOTEL INFORMATION

The headquarters hotel is the historic Arlington Resort Hotel & Spa, Arkansas' largest hotel with almost 500 rooms and suites. Since 1875 The Arlington has been hosting guests as one of the South's premiere resorts. From the grand hotel lobby and famous bar, to the elegant Venetian Dining Room, to the beautiful Crystal Ballroom, The Arlington, considered a treasure of Hot Springs, has everything and more one could want in a historic hotel.

At The Arlington there is the top-rated Hot Springs Spa and Salon and the Thermal Bathhouse, where one may bathe in the famous mineral waters of the 'hot springs'. Splash and relax year-round in the mountainside twin-level heated pools and covered hot tub. Outside the front door is the National Park's famed Bathhouse Row and a grand stroll through history and beauty.

Across the street from The Arlington are museums, antique and art galleries, unique restaurants and live entertainment. Golfers can play nearby on the championship courses at Hot Springs Country Club. There is only one Hot Springs and at its heart is The Arlington Resort Hotel & Spa.

Although the deadline to obtain a guaranteed room at the contracted conference rates was April 15th, the hotel has assured that there are plenty of rooms and will honor the conference rate. Be sure to use the group code "Scientist" when making hotel reservations. For reservations see the contact information on the Association's website.

For information about transportation from the Little Rock Airport to The Arlington Hotel, see the Association's website. The distance is 55 miles and the two best options are car rentals or arranging a shared ride through the UAMS Department of Pathology (<http://www.clinicalscience.org/annualmeeting.html#Transportation>).

The Arlington Resort Hotel & Spa
239 Central Avenue, Hot Springs, AR 71901
(800) 643-1502

MEETING REGISTRATION

A registration form for the 136th Annual Meeting is now available for printing on the Association's website at:

<http://www.clinicalscience.org/annualmeeting.html#Registration>

and a copy is also contained elsewhere in this newsletter.

At the present time there is no option for an on-line registration. You must print the attached form and complete it manually. Registrations can only be done by mail, fax, or telephone to our office in Houston.

William J. Clinton Presidential Center, Little Rock, Arkansas



Abraham J. Gitlitz Lecture

Thursday, May 5

Diagnosis, Prognosis, and Management of Multiple Myeloma



GARETH MORGAN, MD, FRCP, FRCPATH, PHD
Director, UAMS Myeloma Institute,
Arkansas Research Alliance Scholar

Dr. Gareth Morgan is an internationally recognized scientist and clinician in the field of molecular genetics in blood cell cancers — in particular, multiple myeloma. Since July 1, he has served as director of the UAMS Myeloma Institute for Research and Therapy. Dr. Morgan came to UAMS from The Royal Marsden Institute NHS Foundation Trust

and the Institute of Cancer Research in London where he was a professor of hematology and director of the Centre for Myeloma Research.

He received his doctorate on the genetics of leukemia from the University of London in 1991 and his M.D. in 1981 from the Welsh National School of Medicine. He is a director of Myeloma UK, a respected United Kingdom patient organization, as well as being a member of the Scientific Board of the International Myeloma Foundation.

Dr. Morgan has authored well over 450 peer-reviewed articles appearing in the leading professional journals in Europe and the United States, and his work stands at the very forefront of molecular studies related to myeloma. He has been instrumental in the implementation within the United Kingdom of a national cancer policy in terms of governmental initiatives to address myeloma.

Dr. Morgan is doing influential work in characterizing the myeloma genome, defining specific subsets of the disease that have prognostic importance, and in developing personalized therapeutic strategies targeted to each subtype. He also is engaged in advanced research in molecular diagnostics, drug development and clinical trials.

Dr. Morgan was named an Arkansas Research Alliance Scholar in 2015. This prestigious designation includes a three-year \$500,000 grant to support the research conducted by Dr. Morgan and his Myeloma Institute team that is focused on new genomic approaches in treating multiple myeloma.

Banquet Speaker

Friday, May 6

Reconstruction and Origins of the University



JONATHAN WOLFE, R.PH, PHD
Professor of Pharmacy Practice in
the College of Pharmacy, University
of Arkansas for Medical Sciences

Jonathan J. Wolfe currently is a Professor of Pharmacy Practice in the College of Pharmacy at the University of Arkansas for Medical Sciences. His teaching responsibilities within the college include professional ethics, history of pharmacy, and intravenous therapy. Jon also teaches an interdisciplinary course in death

and dying. His current research interests are medication error reduction and history of pharmacy.

A native of Little Rock, Dr. Wolfe earned his pharmacy degree in 1977 at the University of Arkansas for Medical Sciences. Prior to that he graduated from Hendrix College with an A.B. in History. He earned his M.A. (1968) and Ph.D. (1971) degrees in American Diplomatic History from the University of Virginia, where he was a Woodrow Wilson Fellow and a Virginia-Danforth University Teaching Fellow. His pharmacy practice experiences include hospital pharmacy and home infusion pharmacy. He joined the faculty at the UAMS Pharmacy College in 1991.

Dr. Wolfe continues his involvement in research into the history of pharmacy. He also maintains an interest in pain treatment and end-of-life care. He was a co-founder of the Arkansas Cancer Pain Initiative; and has served on the board of the American Association of State Cancer Pain Initiatives. In 2001 he curated the exhibit "Medical Education at the Old State House: From Flexner to the New Deal." Dr. Wolfe also serves as Curator for the "Historical Pharmacy" permanent exhibit in the Mosaic Templars Cultural Center. He is a member of the Old State House Commission, a Division of the Department of Arkansas Heritage.

He is author of numerous articles, and is co-editor of "Handbook of Food-Drug Interactions" (CRC Press, 2003). Jon also wrote "The Story of Louis the Leaf," a children's book illustrated by his niece Kate Wolfe. Most recently he contributed the Afterword chapter for "Fiat Flux: The Writings of Dr. Wilson R. Bachelor" (UA Press, 2013). His current projects include a history of the UAMS College of Pharmacy and a biography of Dr. Morgan Smith, Dean of the College of Medicine 1912-26.

He has served on numerous committees of the college and the UAMS campus. Jon is a former President of the Pulaski County Historical Society, and was for 20 years an officer and a board member of the Chamber Music Society of Little Rock.



Final Program

Subject to change. All events at The Arlington Hotel, Hot Springs, AR, unless otherwise noted.

Wednesday, May 4, 2016

- 2:30 p.m. Meeting registration desk opens (Foyer in Lobby)
- 3:00 p.m. Executive Committee meeting (Boardroom)
- 5:30–7:30 p.m. Welcome Reception (open to all registrants) – complimentary (Magnolia Room)
- 7:00 p.m. Awards Committee meeting

Thursday, May 5, 2016

- 7:00–8:00 a.m. Continental Breakfast
First time attendees and young scientists
- 7:30 a.m. Meeting registration desk opens (Foyer in Lobby)

Session: Diagnosis, Prognosis, and Monitoring of Multiple Myeloma

- 8:15 a.m. President's Welcome, Peter Hu
- 8:25 a.m. Abraham J. Gitlitz Lecture
Multiple Myeloma – What We Have Learned and What We Can Do
Gareth Morgan, Chief of The University of Arkansas for Medical Sciences Myeloma Institute
- 9:10 a.m. *Role of Stem Cell Transplantation in Myeloma*
Yogesh Jethava, Director of Stem Cell Transplant Services and The University of Arkansas for Medical Sciences Myeloma Institute
- 9:40 a.m. *Castleman Disease Etiology, Pathology, Diagnosis, and Therapy*
Katie Stone, The University of Arkansas for Medical Sciences Myeloma Institute, University of Arkansas
- 10:10 a.m. Coffee break
- 10:40 a.m. *Circulating Markers for Multiple Myeloma*
Joshua Bornhorst, Department of Pathology, University of Arkansas
- 11:00 a.m. *The Role of Molecular Laboratory Testing for Multiple Myeloma*
William Bellamy, Department of Pathology, University of Arkansas
- 11:20 a.m. *Hematopoietic Progenitor Cell (HPC) Collection: How Did We Get Here, What Assumptions Were Made, and What Makes Us Most Efficient?*
Michele Cottler-Fox, Department of Pathology, University of Arkansas

- 11:50 a.m. *A New Clinical Test for Multiple Myeloma: B-Cell Maturation Antigen (BCMA)*
James Berenson, Institute for Myeloma and Bone Cancer Research, West Hollywood, CA

- 12:20 p.m. Adjourn for luncheon seminar

Luncheon

- 12:30 p.m. **Luncheon Seminar**
Case Report: Differentiation of Multiple Myeloma and Other Disease Processes
Rebecca Levy, Jeanette Ramos, Erica Olgaard, Department of Pathology, University of Arkansas

Session: Diagnosis, Prognosis, and Monitoring of Multiple Myeloma continued

- 1:30 p.m. *Advanced Imaging Concepts in Multiple Myeloma*
James McDonald, Chair, Department of Radiology, University of Arkansas
- 2:00 p.m. *Understanding Myeloma Pathology from a Patient's Perspective*
Nadine Baxter, The University of Arkansas for Medical Sciences Myeloma Institute
- 2:30 p.m. *Unexpected Results in Plasma Cell Myeloma: A Pathologist's Perspective*
Ginell Post, Department of Pathology, University of Arkansas
- 3:00 p.m. Coffee break
- 3:30 p.m. *Present State of Minimal Residual Disease in Plasma Cell Neoplasms*
Daisy Alapat, Department of Pathology, University of Arkansas
- 4:00 p.m. *Mass Spectrometry for Plasma Proteins: New Frontiers*
Maria Willrich, Mayo Clinic, Rochester, MN
- 4:30 p.m. *Plasma Cell Morphology in 54 Cases of Biopsy Confirmed Amyloidosis*
Angela Wu, University of Iowa Hospitals and Clinics, Iowa City, IA
- 4:45 p.m. *Soluble BCMA in Serum Binds BAFF Causing Immune Deficiency in Multiple Myeloma*
James R. Berenson, Institute for Myeloma and Bone Cancer Research, West Hollywood, CA
- 5:00 p.m. **Session concludes**
- 7:00 p.m. Musicale rehearsal
- 8:00 p.m. Nominating Committee meeting
- 8:00 p.m. Young investigators social, sponsored by Young Fellows Section, Superior Bathhouse Brewery, Hot Springs National Park
- 8:00 p.m. Big band in Lobby

**Friday, May 6, 2016—
University of Arkansas for Medical Sciences (UAMS)**

- 7:00 a.m. Bus A loads outside lobby doors, Arlington Hotel.
- 7:10 a.m. Bus A departs promptly at 7:10 for UAMS. *Note: Bus B for afternoon tour participants leaves Arlington Hotel at 10:30 am for UAMS.*
- 8:30 a.m. Arrive and check in at UAMS
- 8:40 a.m. Continental breakfast
- 9:00 a.m. Introduction, Jennifer Hunt, Chair, Department of Pathology, UAMS
- 9:05 a.m. *Workforce Shortages in Pathology Practice*
Jennifer Hunt, Department of Pathology, UAMS
- 9:30 a.m. *Social Media and Pathology*
Jerad Gardner, Department of Pathology, University of Arkansas
- 9:50 a.m. *Integrative Pathology Medical Education*
Matt Quick, Department of Pathology, University of Arkansas
- 10:10 a.m. *Don't Let it Get Under Your Skin: Fungal Skin Infections*
Sarah Shalin, Department of Pathology, University of Arkansas
- 10:30 a.m. *Overview and Explanation of the Tours of UAMS*
Joshua Bornhorst
- 10:40 a.m. Coffee break
- 11:00 a.m.–12:00 p.m. Tours of UAMS selected laboratories
- 12:15 p.m. Reboard buses:
Bus A for return to Arlington
Bus B for afternoon tour to Little Rock Central High and Clinton Library. Box lunch provided at bus. Registration fee and ticket required.
- 12:30 p.m. Buses depart
- 12:45 p.m. Little Rock Central High School National Park Service Monument
- 1:30 p.m. Board bus for Clinton Library
- 1:45 p.m.. Clinton Library tour begins
- 3:45 p.m. Board bus to Arlington, arrives 5:15 p.m.
- 6:00 p.m.. Annual Reception (Magnolia room)
- 7:00 p.m.. Awards Banquet and Presentation
Reconstruction and Origins of Medical Schools
Dr. Jonathan Wolfe
- 8:00 p.m. Big band in Lobby

Saturday, May 7, 2016

- 6:30 a.m. Run for the Lilies Hot Springs National Park
- 7:30–8:30 a.m. Membership and Mentoring Committee meeting (Arlington Dining Room)
- Split Session Side A Anatomic Pathology**
- 8:40 a.m. *Expression of Antioxidant Molecules and Heat Shock Protein 27 in Thyroid Tumors*
George G. Chen, The Chinese University of Hong Kong, Prince of Wales Hospital, Shatin, NT, Hong Kong, China
- 9:00 a.m. *Morphoproteomics Identifies the EZH2 and Sirt 1 Pathways as Potential Blocks to Differentiation in Sinonasal Undifferentiated Carcinoma (SNUC) and Provides Therapeutic Options*
Suvra Roy, Jamie Buryanek, and Robert E. Brown, The University of Texas Health Medical School at Houston, Houston, TX
- 9:20 a.m. *Metastatic Endocervical Adenocarcinoma: Morphoproteomics Confirms EZH2 with Pathogenetic and Therapeutic Implications*
Nidhi Tandon, Sadia Sultana, and Robert E. Brown, The University of Texas Health Medical School at Houston, Houston, TX
- 9:40 a.m. *Clear Cell Sarcoma of the Kidney with BCOR Internal Tandem Duplication: A Potential Diagnostic Marker*
John Hicks, Texas Children's Hospital and Baylor College of Medicine, Houston, TX
- 10:00 a.m. Coffee break
- 10:30 a.m. *Amyloidoma Presenting as a Maxillofacial Tumor Mass*
Rodolfo Henrich Lobo, Pankaj Mathur, Sharmilan Thanendrarajan, UAMS, Little Rock, AR
- 10:50 a.m. *Sunitinib-Associated Sarcomatoid Transformation in Metastatic Renal Cell Carcinoma: A Morphoproteomic Analysis*
Elizabeth Jacobi, Robert E. Brown, Songlin Zhang, The University of Texas Health Science Center at Houston, Houston, TX
- 11:10 a.m. *Why the Term Low Grade Ductal Carcinoma in Situ Should be Changed to Borderline Breast Disease: Diagnostic and Clinical Implications*
Shahla Masood, University of Florida–Jacksonville, Jacksonville, FL
- 11:40 a.m. *Performance Evaluation of Three NGSP-Certified Point-of-Care HbA1c Devices*
Lee B. Springer, PTS Diagnostics; Rocco Brunelle, B2S Consulting; James Anderson, PTS Diagnostics, Indianapolis, IN
(Note: this lecture has no CME)
- 12:00 p.m. Adjourn for luncheon speaker

Saturday, May 7, 2016 continued

| Split Session Side B | Clinical Science in Practice and Clinical Informatics |
|-----------------------------|--|
| 8:40 a.m. | <i>Galectin-3, Thyroglobuline, and CYFRA 21-1 in the Preoperative Diagnosis of Thyroid Malignancies</i> Alicia Algeciras, Dragana Milosevic and John R. Mills, Mayo Clinic, Rochester, MN |
| 9:00 a.m. | <i>Clinical Utility of Ordered Pathologist Blood Smear Reviews—An Overused Resource?</i> Michaelle Kurt-Mangold, Matthew D. Krasowski and Nancy Rosenthal, University of Iowa Hospitals and Clinics, Iowa City, IA |
| 9:20 a.m. | <i>A Mass Spectrometry-based Assay for Diagnosis of Obstructive Sleep Apnea in Children</i> DeLu (Tyler) Yin, Daniel Wilkey, Michael Merchant, University of Louisville School of Medicine; Roland Valdes, Jr., PGXL Technologies, Louisville, KY |
| 9:40 a.m. | <i>Use of a Data Warehouse for Validation of Calculated Results</i> Andrew L. Tan, Steven J. Agosti and Philip R. Foulis, James A. Haley Veteran's Hospital, Tampa, FL |
| 10:00 a.m. | Coffee break |
| 10:30 a.m. | <i>Utilization Management in a Large Community Hospital System</i> Frederick L. Kiechle and Rodney C. Arcenas, Memorial Healthcare System, Hollywood, FL |
| 11:00 a.m. | <i>Next Generation Sequencing of a Single Cancer Cell: the Need for Rigorous Software</i> Lori M. Millner, Lindsay N. Strotman, Mark W. Linder, Roland Valdes, Jr., University of Louisville School of Medicine and PGXL Technologies, Louisville, KY |
| 11:20 a.m. | <i>Isolation of Extracellular Vesicles Enables Identification of Cancer Markers</i> Lindsay N. Strotman, Lori M. Millner, Mark W. Linder, Roland Valdes, Jr., University of Louisville School of Medicine and PGXL Technologies, Louisville, KY |
| 11:40 a.m. | <i>Monitoring Multiple Myeloma Using Serum Light and Heavy/Light Chain Analysis</i> Trevor Pitcher, The Binding Site Inc., San Diego, CA (Note: this lecture has no CME) |
| 12:00 p.m. | Adjourn for luncheon speaker |

Luncheon—Both Sessions

| | |
|------------|---|
| 12:10 p.m. | Luncheon Speaker <i>Earthquake: The Ultimate Clinical Laboratory Disaster</i> Aubrey Hough, former UAMS Pathology Department Chair |
|------------|---|

| Split Session Side A | Hematology and Transfusion Medicine |
|-----------------------------|---|
| 1:20 p.m. | <i>Alloimmunization to D Antigen in Myeloma Patients After D-positive RBC Transfusions</i> Koma Arora and Ashok Tholpady, University of Texas, M.D. Anderson Cancer Center, Houston, TX |
| 1:40 p.m. | <i>Development of a Novel Automated Screening Method for Detection of FVIII Inhibitors</i> Matthew S. Evans, Keri J. Donaldson, M. Elaine Eyster, Michael H. Creer, Penn State Hershey Medical Center, Hershey, PA |
| 2:00 p.m. | <i>Hematologic Assessment of Splenic Function: Howell-Jolly Body vs. Erythrocyte Pit Quantification</i> Jonathan S. Krauss, Professor Emeritus MCG-Augusta University, Augusta, GA |
| 2:20 p.m. | <i>Epitope Patterns Reveal Apparent Anti-HLA Antibodies Due to Denatured HLA Antigens</i> Terry Harville, Soumya Pandey, Bobbie Rhodes-Clark, Marsha Rood, Catherine Lee, Dawnelle Odom, UAMS, Little Rock, AR |
| 2:40 p.m. | <i>T(11;14)(q13;q32) in Chronic Myelogenous Leukemia: Case Report and Review of Literature</i> Parisa Khalili, Qian-Yun Zhang, University of New Mexico, Albuquerque, NM |
| 3:00 p.m. | Coffee break |

| Split Session Side A | Clinical Immunology and Microbiology |
|-----------------------------|---|
| 3:30 p.m. | <i>Correlation Between Plasma Cell Dyscracias and HIV Status</i> Catherine R. Miller and Anthony O. Okorodudu, The University of Texas Medical Branch at Galveston, Galveston, TX |
| 3:50 p.m. | <i>Microbial Survey of Exotic Equine-inflicted Bite Wounds</i> Thomas Binns, Sarah Kline, Susan Weinstein, Nicole Emery, Eric Rosenbaum, UAMS, Little Rock Zoo, Arkansas Department of Health, Little Rock, AR |
| 4:10 p.m. | <i>M. Tuberculosis Cord Factor: Invisibility Shield, Deadly Dagger and More</i> Robert L. Hunter, University of Texas Health Science Center at Houston, Houston, TX |
| 4:30 p.m. | <i>Chromobacterium Violaceum: Case Report and Review of Pediatric Literature</i> Dejan Nikolic and Gail L. Woods, UAMS, Arkansas Children's Hospital, Little Rock, AR |
| 4:50 p.m. | Split Session Side A concludes |

Split Session Side B

Clinical Chemistry and Biotechnology

- 1:20 p.m. *Hypertriglyceridemia Mediated in Vitro Hemolysis in Whole Blood Li-Heparin Specimens*
Shawn LeDoux and Joshua Bornhorst, UAMS, Little Rock, AR
- 1:40 p.m. *Prevalence of Macroprolactin in Patients in Various Hospital Departments*
Chesinta Voma, Rif S. Elmallakh, Saeed A. Iortani, University of Louisville, Louisville, KY
- 2:00 p.m. *Pilot Study of Kinetics of hs-cTnT and NT-proBNP After Chemotherapy Administration*
Jonathan Hoyne, Pooji Advani, Alvaro Moreno-Aspitia, Marcia Dubin, Shelly Brock, Caroline Harlow, Tammy Wollette, Saranya Chumsri, Joseph Blackshear, Mayo Clinic, Jacksonville, FL
- 2:20 p.m. *Mechanism of Metformin Induced Cell Death in MOLT4 Acute Leukemia Cells*
Anneliese Velez-Perex, Priya Weerasinghe, Amitava Dasgupta, Robert E. Brown, University of Texas Health Science Center at Houston, Houston, TX
- 2:40 p.m. *The Significance of Protein Concentration on UPEP and UIFE Analysis*
Joseph Drwiega, Kai Wang, Tiansheng Shen, Carolyn Chaffin, Phil Youngblood, Robert W. Hardy, University of Alabama at Birmingham, Birmingham, AL
- 3:00 p.m. Coffee break

Split Session Side B

Clinical Molecular Biology and Genetics; Clinical Toxicology

- 3:30 p.m. *Morphoproteomics Identifies the EZH2 and Sirt1 as Potential Pathogenetic Pathways in Blastemal Wilms' Tumor and Provides Therapeutic Options: A Case Study*
Sadia Sultana, Nidhi Tandon, and Robert E. Brown, University of Texas at Houston Health Science Center, Houston, TX
- 3:50 p.m. *Multi-variant Genetic Panel for Genetic Risk of Opioid Addiction*
Keri Donaldson, Laurence M. Demers, Joe Lopez, Sherman Chang, Penn State University College of Medicine, Hershey, PA and AutoGenomics, Vista, CA
- 4:10 p.m. *Pulmonary Alveolar Proteinosis Associated with Stat5b Deficiency: A Rare Entity*
John Hicks, Texas Children's Hospital and Baylor College of Medicine, Houston, TX

- 4:30 p.m. *Morphoproteomics Identifies the Etiopathogenetic Correlates of HHV-8-associated Kaposi's Sarcoma and Provides Pathways with Therapeutic Options: A Case Study*
Suhair Al Salihi, Jamie Buryanek and Robert E. Brown, University of Texas Health Science Center at Houston, McGovern Medical School, Houston, TX

4:50 p.m. **Split Session Side B concludes**

- 5:00 p.m. Association Business meeting
- 7:30 p.m. Musicale and Art Show (Fountain Room)
- 8:00 p.m. Wine and cheese Reception
- 8:00 p.m. Big band in Lobby

End of Program

Sites to See



University of Arkansas for Medical Sciences



Garvan Woodland Gardens (Anthony Chapel)—Auxiliary event Saturday



William J. Clinton Presidential Center

President's Corner



Hello everyone, it feels like only a couple of weeks have passed since our last conversation!

Annual Meeting The annual meeting is only a few weeks away in the beautiful Hot Springs, AR. **Josh Bornhorst** and his program committee have been working hard in putting together a fantastic program with this year's theme on myeloma. We're all excited and looking forward to the conference. Similar to the

previous years, this year's CME will be provided through ASCP.

Newsletter and Website With the continuing efforts by **Charlie Hawker**, ARUP will continue to host our website. In addition, we have also hired additional independent contractors for editing and maintenance of the website and as well as graphic design of newsletter and other promotional materials. Thank you Charlie!

Coalition to Improve Diagnosis The Coalition to Improve Diagnosis is a collaboration of leading healthcare organizations representing clinicians and other healthcare professionals. Through the efforts lead by **Philip Foulis**, I am proud to announce that ACS is now a member of this coalition. The Coalition's mission is to improve patient outcomes through a reduction in diagnosis that are inaccurate, missed or inappropriately delayed and an increase in the reliability of the diagnostic process. One of the Coalition's goals is to

bring greater attention and awareness to the issue of errors in diagnosis among Coalition member organizations and their constituents. More to come in future developments.

Membership I am happy to announce since my last update two new members have joined the Association:

Abdulah Nasser Al-Jurayyan, MSc, Ph.D
DeLu (Tyler) Yin, Ph.D

Lastly, as this is my last column as President, I had some time to reflect this year and all that we've accomplished together. It has been my pleasure and honor to work with members of the Executive Committee and other senior members of the Association on accomplishing many tasks including realignment with ASCP, the adoption of the Fellow's title, increasing the number of Chairs and Co-Chairs in our Scientific Sections, especially with younger Fellows, expanding the membership roster and Young Fellows Section, stabilizing our website and newsletter, joining of the new Coalition (CID) and many more as well as things to come. I leave this position in good hands with **Dr. Phil Foulis** as our next incoming President

Sincerely,

Peter Hu, Ph.D, FACS

Letter from the Auxiliary President



Hello everyone, I am honored to be the president of the Auxiliary of the Association this year. Our 2016 annual conference in Hot Springs, Arkansas, is only days away. There are many exciting places we are going to explore and enjoy. First, a little history of the Auxiliary.

The Auxiliary to the Association of Clinical Scientists was formed over 35 years ago by Zimmie Davis, the wife of an early founding member. The goal was to provide an opportunity for spouses and

accompanying persons of Association attendees to have a group of their own at the annual meeting. Their purpose was not only to help support the Association, but to plan activities, develop friendships and foster a sense of identity. It certainly has proven to be all of these things and more.

Our activities at meetings are varied and interesting. We have visited different artists from glass blowers to potters and print makers. We have toured historic homes, art galleries, and also observed manatees and lemurs. There is always a new adventure awaiting us at each meeting. Best of all, we develop friendships that easily reconnect from year to year. We laugh, talk, share and discover more about each other when we get together at the meetings. I know of no other group that does all of this so easily and so well. The annual dues are \$10.00, and we welcome new members with open arms.

Our activities for this year are very well planned with the help of **Mrs. Becky Hunter** and other members of the Association. I believe we are going to create new unforgettable memories.

We like to think there are no strangers in our group, only friends we haven't met yet. I am looking forward to meeting each one of you!

Sincerely,

Cynthia Hu
Auxiliary President 2016

| | | | |
|--------------|-------|----------------------|---|
| Wed. | May 4 | 5:30–7:30 p.m. | Reception |
| Thur. | May 5 | 9:30 a.m.–12:00 p.m. | Hot Springs Nat'l Park tour |
| | | 2:00 – 4:00 p.m. | Quapaw Baths and Spa <i>Bring a swimming suit!</i> |
| Fri. | May 6 | 8:30–9:30 a.m. | Auxiliary business meeting |
| | | 10:30 a.m. | Bus B to tour Little Rock Central High School and Clinton Library |
| | | 6:00 p.m. | Banquet reception |
| | | 7:00 p.m. | Dinner and awards banquet |
| Sat. | May 7 | 9:30 a.m. | Garvan Woodland Gardens <i>Box lunch will be ordered</i> |
| | | 7:00 p.m. | Musicale |

Association of Clinical Scientists

Registration for 136th Meeting, Hot Springs, AR, May 4–7, 2016

ATTENDEE INFORMATION

| | | | |
|-------------|----------------|---------------|-----------|
| Last Name | First Name | Initial | Degree(S) |
| Institution | Street Address | | |
| City | State | Mail Code | Country |
| Telephone | Fax# | Email Address | |

| | Unit Price | Number of Persons | Amount Charged |
|---|------------|-------------------|----------------|
| Regular Full Meeting Registration For all Fellows of the Association and non-members attending the full meeting; includes one banquet ticket and continuing education credits, if desired. | \$535 | _____ | _____ |
| Meeting Registration, Emeritus, Assoc. Fellows & Trainees For all Emeritus or Associate Fellows of the Association and all trainees, residents, and fellows attending the full meeting; includes one banquet ticket and CE credits, if desired. | \$275 | _____ | _____ |
| Meeting Registration, Complimentary For all speakers only attending the meeting for the day of their lecture; excludes CE, banquet and luncheon tickets. | \$0 | _____ | _____ |
| Single Day Registration For either Thursday or Saturday; includes luncheon and continuing education credits if desired. | \$125 | _____ | _____ |
| Luncheon Seminar, Thursday, May 5 For all attendees with Regular Registration and for all Emeritus Fellows. | \$40 | _____ | _____ |
| Luncheon Seminar, Thursday, May 5 For Associate Fellows and trainees only. | \$20 | _____ | _____ |
| Friday Afternoon Tour as described in program For all attendees with Regular Registration, all Emeritus Fellows, spouses, and family members. | \$50 | _____ | _____ |
| Friday Afternoon Tour as described in program For Associate Fellows, trainees, and their spouses. | \$25 | _____ | _____ |
| Extra Banquet Tickets, Friday, May 6 | \$75 | _____ | _____ |
| Luncheon Seminar, Saturday, May 7 For all attendees with Regular Registration and Emeritus Fellows. | \$40 | _____ | _____ |
| Luncheon Seminar, Saturday, May 7 For Associate Fellows and trainees. | \$20 | _____ | _____ |
| Musicale, with Wine and Cheese Intermission Complimentary for all attendees, please indicate attendance for headcount estimation. | \$0 | _____ | _____ |
| Total Payment Enclosed | | | ===== |



Association of Clinical Scientists

Registration for 136th Meeting, Hot Springs, AR, May 4–7, 2016

PAYMENT OPTIONS

Cancellation with full refund will be accepted until April 4, 2016.

1. Mail this form with a check, payable to Association of Clinical Scientists, or with credit card information, to Association of Clinical Scientists, 6431 Fannin Street, MSB2.292, Houston, TX 77030
2. To charge using American Express, Visa, or MasterCard, call the ACS office at (713) 500-5381, Mon–Fri, 8:00 a.m.–5:00 p.m. Central Time. You may also fax this form with your credit card information to our secure Fax at (713) 500-0732.
3. Register on-line (available after March 15, 2016) on the Association website at www.clinicalscience.org.

CREDIT CARD INFORMATION

Credit card type

(circle one) Visa MasterCard American Express

Card number

Security code (CVV)

Security code (CVV)

Name on the card

Billing Address

City

State (Province)

Country

Postal (Zip) Code

Signature

Travel Grants

With the Association of Clinical Scientists meeting in May 2016, the travel grants for Young Investigators and Early Career Professionals in Pathology or Clinical Sciences, initiated at our 2015 meeting, have been revised to encourage more submissions. The intention is to assist in defraying costs for the meetings and urge membership and future participation in our organization. A maximum of four \$500 travel grants will be awarded. The following are the Association's definitions of Young Investigators and Early Career Professionals.

YOUNG INVESTIGATORS

This program is designed to encourage young investigators to consider a career in academic laboratory medicine and

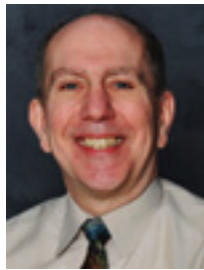
offset some of the costs associated with attending our meeting. Residents, fellows, and students in a doctoral program in health sciences, participating in research with a member of ACS, or sponsored by an ACS member are eligible. Students in programs leading to non-doctoral degrees conducting research with an ACS member may be considered upon written request from the ACS sponsor to the chair of the Young Investigator Awards Program. The two award winners will be recognized at the meeting, give podium presentations, and receive certificates for \$500 awards to be used to defray the cost for the subsequent Association meeting including a waived registration fee.

continued on page 11

The Association Joins the Coalition to Improve Diagnosis

by **PHILIP R. FOULIS, MD, MPH**
VICE PRESIDENT, ACS

The Institute of Medicine published an updated report to their 'To Err is Human: Building a Safer Health System,' in September of 2015. The report, 'Improving Diagnosis in Health Care: Quality Chasm Series,' identified eight goals to reduce error and improve diagnosis:



1. Facilitate teamwork
2. Education and training in the diagnostic process
3. Healthcare technologies that support patient and healthcare professionals
4. Establish a work system and culture to support diagnostic process and performance
5. Medical liability system to facilitate improved diagnosis
6. System to identify and learn from diagnostic error and near misses
7. Payment and care delivery environment to support the diagnostic process
8. Dedicated research funding to improve diagnostic process and reduce diagnostic error

To address these critical issues The Coalition to Improve Diagnosis was formed. To date there are 21 organizations, including government agencies, supporting this endeavor. The Association of Clinical Scientists is in a unique position, since it is the first laboratory medicine organization to join the group.

The Association's goals will be to both work independently and also in collaboration with other organizations in the

"Travel Grants" continued from page 10

EARLY CAREER PROFESSIONAL IN PATHOLOGY OR CLINICAL SCIENCES

This program is designed to encourage professionals early in their career to attend our meeting, share their research, and network with our senior membership. Members within the first five years of practice are eligible for this award. The two award winners will be recognized at the meeting, give podium presentations, and receive certificates for \$500 awards to be used to defray the cost for the subsequent Association meeting including a waived registration fee.

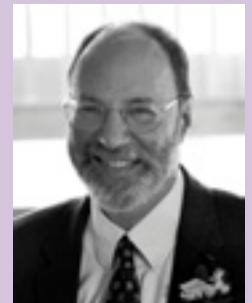
coalition to demonstrate where laboratory medicine can impact the field of medicine to improve the diagnostic process and decrease medical error.

Your input, ideas and suggestions to achieve these important goals is welcomed.

OBITUARY

Joseph Allan Tucker Jr., M.D. (1956-2016)

Joseph Allan Tucker Jr., M.D, the Louise Lenoir Locke Professor and Chair of Pathology at the University of South Alabama, College of Medicine, passed away peacefully on March 23, 2016 following an 18-month battle with brain cancer.



Allan is well-remembered as an active, contributing member of the Association of Clinical Scientists, and host of the ACS annual meeting in Mobile Alabama in 2012. At that meeting Allan presented the Abraham J. Gitlitz Memorial Lecture on the "Challenges of Smaller Facilities in the Changing World of Medicine."

Allan served on numerous University of South Alabama committees, and held leadership positions in numerous professional organizations in medicine and pathology. He was well published with over 130 abstracts and over 80 full publications in well-respected, peer-reviewed medical journals.

"Dr. Tucker was an outstanding teacher and a compassionate physician who had a profound positive impact on students and faculty alike," said Dr. Samuel Strada, dean of the University of South Alabama College of Medicine. "His passing is not only a loss for the University of South Alabama, but also for humanity."

Perhaps Allan is best remembered by the statement about him by his wife, Jean Walker Tucker. "He lived well, full of jokes (some good, some bad) and good cheer. We loved him dearly and we will miss him desperately." Likewise, ACS and all of its members will miss Allan greatly, but feel fortunate for having the chance to know him.

A full obituary will appear in the "Annals of Clinical and Laboratory Science."

submitted by
JOHN HICKS, MD, DDS, PHD
TEXAS CHILDREN'S HOSPITAL

Among the Events for Friday, May 6



Little Rock Central High School National Historic Site



Association of Clinical Scientists
6431 Fannin Street, MSB2.292
Houston, TX 77030