



Clinical Science Trumpet

Newsletter of the Association of Clinical Scientists

Vol 36, No 1 - March 2016

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

Arlington Resort Hotel and Spa in Hot Springs,
Arkansas

The 136th Meeting of the Association of Clinical Scientists will be held in Little Rock, Arkansas on May 4th through 7th, 2016. Joshua A. Bornhurst, PhD, and the members of the Program Committee cordially invite you to attend this outstanding conference to be hosted by the Department of Pathology of the University of the University of Arkansas Medical Science. 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, Director of the UAMS Myeloma Institute, with a presentation entitled *Multiple Myeloma – What We Have Learned and What We Can Do*.

FRIDAY HIGHLIGHTS

On Friday afternoon, attendees will have an optional bus tour to see the Clinton Presidential Library and the Central High School National Historic Site. The Clinton Presidential Library and Museum is located within the 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.



Arlington Hotel, Hot Springs, AR

The Little Rock Central High School National Historic Site was the scene of the desegregation crisis in 1957 that 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. For more information, visit www.nps.gov/chsc.

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, Professor of Pharmacy Practice in the College of Pharmacy, entitled *Reconstruction and Origins of Medical Schools*.

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SATURDAY HIGHLIGHTS

Saturday morning will feature split tracks for Anatomic and Clinical Pathology.

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, PhD**, former department chair, will present an interesting lecture, *Earthquake: The Ultimate Clinical Laboratory Disaster*.

HOTEL INFORMATION

The Headquarters Hotel is the historic Arlington Hotel. The historic Arlington Resort Hotel & Spa is the largest hotel in Arkansas with almost 500 rooms and suites. Since 1875 The Arlington has been hosting guests as one of the South's premiere resorts...truly an American Treasure. From the grand hotel lobby and famous bar, to the elegant Venetian Dining Room, to the beautiful Crystal Ballroom, The Arlington has everything you'd want in a historic hotel ... and more. And at The Arlington there is our top-rated Hot Springs Spa and Salon, and the Thermal Bathhouse, where you will bathe in the famous mineral waters of the

'hot springs'. Splash and relax year-round in our mountain-side 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 are museums, antique and art galleries, unique restaurants and live entertainment. Or play golf 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. For reservations see the contact information on the Association's website. Use the Group code "Scientist" when making hotel reservations.

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.

Clinton Presidential Library



ACS Scientific Sections 2015–2016

In order to involve more of our Young Fellows in Association activities, several Young Fellows were recently appointed to positions as Vice Chairs of Scientific Sections by President Peter Hu upon the recommendation of Kamisha Johnson-Davis, Chair of the Young Fellows Section and Robert L. Hunter, Chair of Scientific Sections. The complete roster of all Scientific Section Chairs and Vice-Chairs, along with their email addresses, is shown below and also on the website. The four new Vice-Chairs are shown in bolded italics.

Director – Scientific Sections

Robert L Hunter Jr MD, PhD, Chair
robert.l.hunter@uth.tmc.edu

Cell & Tissue Pathology

Peter M Farmer MD, Chair
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Robert E Brown MD, Vice-chair
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Clinical Chemistry & Biotechnology

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Clinical Immunology & Microbiology

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Clinical Informatics

Myra L Wilkerson MD, Chair
mwilkerson@geisinger.edu

Keri Donaldson, MD, Vice-chair
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Clinical Science in Practice

Vincent A DeBari PhD, Chair
vincent.debari@shu.edu

John Hicks, MD, Vice-chair
mjhicks@texaschildrens.org

Clinical Molecular Biology & Genetics

Frederick L Kiechle MD PhD, Chair
fkiechle@mhs.net fkiechle@hotmail.com

Kyle Kurek, MD, Vice-chair
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Hematology & Transfusion Medicine

Robert F Reiss MD, Chair
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Magali J Fontaine MD PhD, Vice-chair
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Daniela Hoehn, PhD, Vice-chair
dh2315@cumc.columbia.edu

Therapeutics and Toxicology:

Kamisha Johnson-Davis, PhD, Chair
kamisha.johnson-davis@aruplab.com

Fred Strathmann, PhD, Vice-chair
frederick.g.strathmann@aruplab.com

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 a few months away. There are many exciting places we are going to explore and enjoy. But before I get to that, let me briefly review the history of the Auxiliary to the Association. 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:

Wednesday	May 4, 2016	5:30–7:30 p.m.	Reception
Thursday	May 5, 2016	9:30 a.m.–12:00 p.m.	Hot Springs National Park tour
		2:00 – 4:00 p.m.	Quapaw Baths and Spa <i>Bring your swimming suit!</i>
Friday	May 6, 2016	8:30–9:30 a.m.	Auxiliary business meeting
		10:30 a.m.	Leave hotel on Bus B to tour Little Little Rock Central High School National Historic Site and Clinton Presidential Library.
		6:00 p.m.	Banquet reception
		7:00 p.m.	Dinner and awards banquet
Saturday	May 7, 2016	9:30 a.m.	Garvan Woodland Gardens <i>Box lunch will be ordered.</i>
		7:00 p.m.	Musicale

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

Abraham J. Gitlitz Lecture

Thursday, May 5



GARETH MORGAN, MD, FRCP, FRCPATH, PHD
Director, UAMS Myeloma Institute, Arkansas Research Alliance Scholar
Diagnosis, Prognosis, and Management of Multiple Myeloma

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 MD in 1981 from the Welsh National School of Medicine. He is a director of Myeloma UK, a respected UK 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



JONATHAN WOLFE, PHD
Professor of Pharmacy Practice in the College of Pharmacy, University of Arkansas for Medical Sciences
Reconstruction and Origins of the University

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.

Jon's 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 From Flexner to New Deal – Medical Education at the Old State House. 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 (JA 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.



Preliminary Program

Subject to change. All events at Arlington Hotel 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 (Magnolia room)
Open to all registrants – complimentary
- 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. Faith Davies, The University of Arkansas for Medical Sciences Myeloma Institute
- 9:40 a.m. *Castlemans Disease*
Frits van Rhee, The University of Arkansas for Medical Sciences Myeloma Institute
- 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?*
Michelle 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

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

Session resumes

- 1:30 p.m. *Advanced Myeloma Imaging*
James McDonald, Chair, Department of Radiology, University of Arkansas
- 2:00 p.m. *Understanding Myeloma Pathology From a Patient's Perspective*
Nadine Baxter, 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. *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
- 5:00 p.m. **Session ends**

- 7:00 p.m. Musicales rehearsal
- 8:00 p.m. Nominating Committee meeting
- 8:00 p.m. Young investigators social activity, 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 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 UAMS
- 8:40 a.m. Continental breakfast
- 9:00 a.m. Introduction, Jennifer Hunt, Chair
- 9:05 a.m. *Workforce Shortages in Pathology Practice*
Jennifer Hunt, UAMS Pathology Chair
- 9:30 a.m. *Social Media and Pathology*
Jared Gardener, 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:
A. Bus for return to Arlington
B. Bus to Little Rock Central High and Clinton Presidential 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 Historic Site
- 1:30 p.m. Board bus for Clinton Presidential Library
- 1:45 p.m. Clinton Presidential Library tour begins
- 3:45 p.m. Board return bus to Arlington to arrive at 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
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
- 7:45–8:30 a.m. Membership and Mentoring Committee meeting (Arlington dining room)

Conference Room A/B

- 8:30 a.m. Clinical Pathology Track – split session
- 8:30 a.m. Anatomic Pathology Track – split session
- 10:00 a.m. Coffee break
- 10:30 a.m. Submitted presentations from abstracts
- 12:00 p.m. Adjourn for luncheon speaker
- 12:10 p.m. *Earthquake: The Ultimate Clinical Laboratory Disaster*
Aubrey Hough, Former Department Chair, UAMS Pathology
- 1:15–3:00 p.m. Submitted presentations from abstracts
- 3:00 p.m. Coffee break
- 3:30–4:45 p.m. Submitted presentations from abstracts
- 5:00 p.m. Association business meeting
- 7:30 p.m. Musicales and Art Show (Fountain room)
- 8:00 p.m. Wine and cheese
- 8:00 p.m. Big band in lobby

President's Corner



Hello everyone, we have many updates since our last issue!

ASCP MOU The Executive Committee (EC) and some of our senior members have been working very hard in making this transition from ASCP as smooth as possible. I am happy to report to you that by the time you read this, we will have successfully transitioned our investment and checking accounts to Houston. In addition, we have also made changes to our dues renewal process with all the submitted information being handled directly by the Association. Furthermore, we are also investigating other payment methods to make this process even easier.

Annual Meeting Some of the Executive Committee members (Peter Hu, Bob Hunter, Josh Bornhorst, Keri Donaldson, and Auxiliary member Becky Hunter) met in Hot Springs on December 13-14 and mapped out a preliminary program for the conference (showcased in this newsletter). Our Vice President, Philip Foulis, along with the members from the Membership and Mentoring committee, came up with the language for the travel grant and was subsequently approved by the EC committee, is now on the ACS website and by the time you've read this an broadcast email will have also gone out. We hope this will attract many more abstract submissions. In addition, I am also happy to announce that Cynthia Hu has agreed to serve as the President of the auxiliary club for remainder of this year. Both she and Becky Hunter have been working together to come up with various exciting activities for the auxiliary.

Membership I am happy to announce since my last update 10 new members have joined the Association:

Mary Coolbaugh-Murphy, Ph.D	Revati F. Masilamani, Ph.D.
Shuko Harado, MD	Stephen D. Merrigan, Ph.D
Awdhesh Kalia, PhD, MB	Irene Newsham, Ph.D
Jason L. Kubinak, PhD	Abdullah Nassar Al-jurayyan, Ph.D
Shamlal Mangray, M.B, B.S.	Sagar Dhamne, MBBS, MD

Young Fellows Section: Recently, Kamisha Johnson-Davis and Bob Hunter introduced four new Vice-Chairs to the Scientific Sections. Many of them were recruited by Kamisha from the Young Fellows Sections. They are mentioned in this newsletter. An up-to-date list of all the scientific sections can be found on the ACS website. The principal role for the Chairs and Vice-Chairs is to assist each year's Program Committee and the Chair of Scientific Sections, Bob Hunter, in recruiting speakers for the annual meeting.

Sincerely,

Peter Hu

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.

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.

Some Events for Friday, May 6



**University of Arkansas
for Medical Sciences**



**Clinton Presidential
Library**



**Little Rock Central
High School National
Historic Site**



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