



ACAV Newsletter

ACAV Executive Council Members

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Kathryn Hanley– Past Chair
Desire Labeaud– Chair elect
Lark Coffey – Secretary
Scott Weaver – Treasurer
Don Burke – Historian
Laura Kramer – Councilor
Brad Blitvich - Councilor
Aaron Brault - Councilor
Rebecca Rico- Hesse -- Councilor
Desiree LaBeaud – Councilor

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ACAV at ASTMH annual meeting – Nov, 2017

ACAV will again be holding subgroup meetings at the ASTMH annual meeting in Baltimore, Maryland. Everyone is welcome to attend these sessions but space can be limited so please let the ACAV subcommittee chair know if you plan to attend. The schedule of events is shown here. Please join and present your ideas at these sessions – ACAV is focused on the needs of the membership.

Session American Committee on Arthropod-Borne Viruses (ACAV) SIE Subcommittee Group 11:00 - 12:00 PM
Remove

Hilton - Johnson AB (East Building, First Floor)

[Add Note](#)

Session American Committee on Arthropod-Borne Viruses (ACAV) SIRACA Subcommittee Meeting 12:00 - 2:00 PM
Remove

Hilton - Johnson AB (East Building, First Floor)

[Add Note](#)

Session American Committee on Arthropod-Borne Viruses (ACAV) SALS Subcommittee Meeting 2:00 - 3:30 PM
Remove

Hilton - Johnson AB (East Building, First Floor)

[Add Note](#)

Contact info for ACAV chair and subgroup chairs

Subcommittee on Arbovirus Laboratory Safety (SALS)
Tom Ksiazek tgksiaze@utmb.edu

ACAV Chair:
Nikos Vasilakis
nivasila@utmb.edu

Subcommittee for Evaluation of Arthropod-Borne Status (SEAS)
Michael Turell mturell@erols.com

Chair-elect:
Desiree LaBeaud

Subcommittee on Information Exchange (SIE)
Ann Powers apowers@cdc.gov

Subcommittee on Inter-relationships Among Catalogued Arboviruses (SIRACA)
dlabeaud@stanford.edu Scott Weaver sweaver@utmb.edu

Robert E. Shope International Fellowship in Infectious Diseases



Robert E. Shope, MD

Robert E. Shope, MD (1929 – 2004) devoted his career to the study of viruses carried by mosquitoes, ticks and other biting insects. One of the world's foremost authorities on insect-borne viruses, he discovered and characterized more previously unknown viruses than any other person in history. He was often

called a "walking encyclopedia" of viruses, who made major contributions to the understanding of infectious diseases and the promotion of global health. His lifelong contributions to our understanding of arthropod-borne viruses, hemorrhagic fever viruses and the diseases these viruses cause are without equal.

The Robert E. Shope International Fellowship in Infectious Diseases provides support for international training opportunities in arbovirology and emerging diseases for those with an MD, DVM, PhD or related doctoral degree.

Please join us at the ACAV Symposium I-Business meeting to congratulate this year's recipient of the Robert E. Shope Fellowship.



Kayla Barnes, 2016 recipient of the Robert E. Shope Fellowship.

The 2016 winner of the Robert E. Shope Fellowship was Kayla Barnes. Her proposal was titled: "Using genomic technologies to understand Zika virus vertical transmission and metagenomic epidemiology". She will be presenting at the ACAV Symposium I on Monday, November 6 to describe her work on this project in Brazil.

ACAV Awards

ACAV Travel Awards – There will be ACAV student/post-doc travel awards presented this year courtesy of ACAV and ASTMH. Awardees are either graduate students or post-doctoral fellows who are actively conducting arbovirus research. Recipients will be awarded a complimentary meeting registration and \$500.00 to defray costs associated with attending the meeting. Winners will be announced at the ACAV business meeting on Monday, November 6 beginning at 1:45 in the Convention Center - Ballroom I. Come and meet this year's winners and enjoy a snack with them during our networking time.

The 2016 ACAV travel award winners were: Devika Sirohi (Purdue University), Claire Heath (Stanford University SOM), James Weger-Lucarelli (CSU), Joseph Fauver (CSU)

Books by and for ACAV members

Arboviruses: Molecular Biology, Evolution and Control

Edited by: Nikos Vasilakis and Duane J. Gubler

"a thorough and compelling review ... an outstanding book ... highly recommended" (Am. J. Trop. Med. Hyg.)

Arthropod Borne Diseases

Edited by: Carlos Brisola Marcondes

Very useful book for medical professionals (physicians, nurses, technicians, "bare foot doctors" etc.), providing an useful content on all arthropod borne diseases

Alphaviruses: Current Biology

Edited by: Suresh Mahalingam, Lara Herrero and Belinda Herring

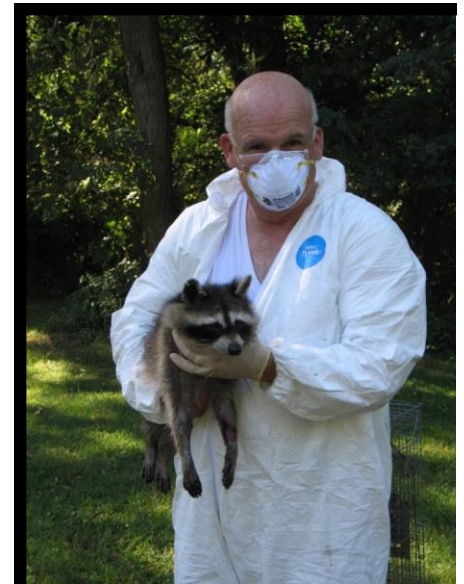
Caister Academic Press

"up-to-date review of the field" (Aus. Vet. J.)

Chikungunya Virus Advances in Biology, Pathogenesis, and Treatment

Edited by: Chioma M. Okeoma

Details the epidemiological outlook and clinical syndrome of CHIKV



Ken Platt trapping raccoons in Iowa



Charlie Calisher picking up a rodent trap in southeastern Colorado, 2007; hantavirus surveillance

ASTMH Annual Meeting sessions of interest to ACAV members

Symposium Session

Session 32 American Committee on Arthropod-Borne Viruses (ACAV) Symposium I: Annual Business Meeting, Awards and Research Presentations by Previous Awardees

Monday, November 6, 1:45 - 3:30 PM Convention Center - Ballroom I

Symposium Session

Session 45 American Committee on Arthropod-Borne Viruses (ACAV) Symposium II: Tick-Borne Viruses

Monday, November 6, 4:00 - 5:45 PM Convention Center - Ballroom I (Level 400)

Sunday 11/5	5:30 PM	Plenary Session I: Keynote Address	Convention Center - Ballroom
Monday 11/6	8:00 AM	Session 4 Chikungunya and Other Alphaviruses	Convention Center - Ballroom III
Monday 11/6	10:15 AM	Session 21 Mosquitoes - Vector Biology - Epidemiology I	Convention Center - Room 324/325/326
Mon 11/6	10:15 AM	Session 22 Dengue: Pathogenesis/Immunology	Convention Center - Room 327/328/329
Mon 11/6	10:15 AM	Session 18 Clinical Update: What's New in Literature?	Convention Center - Ballroom IV
Mon 11/6	12:00 PM	Session American Committee on Arthropod-Borne Viruses (ACAV) Faculty-Trainee Roundtable Discussions	Hilton - Johnson A, Beale B, Johnson B, Peale C, Latrobe
Mon 11/6	1:45 PM	<u>Session 32 American Committee on Arthropod-Borne Viruses (ACAV) Symposium I: Annual Business Meeting, Awards and Research Presentations by Previous Awardees</u>	Convention Center - Ballroom I
Mon 11/6	1:45 PM	Session 38 Mosquitoes - Vector Biology - Epidemiology II	Convention Center - Room 324/325/326
Mon 11/6	1:45 PM	Session 39 Dengue: Vaccines/Epidemiology	Convention Center - Room 327/328/329
Mon 11/6	4:00 PM	<u>Session 45 American Committee on Arthropod-Borne Viruses (ACAV) Symposium II: Tick-Borne Viruses</u>	Convention Center - Ballroom I (Level 400)
Mon 11/6	4:00 PM	Session 48 Clinical Tropical Medicine I	Convention Center - Ballroom IV
Mon 11/6	4:00 PM	Session 51 Mosquitoes: Biochemistry and Molecular Biology	Convention Center - Room 324/325/326

Mon 11/6	6:15 PM	Session 59 Plenary Session II: Fred L. Soper Lecture	Convention Center - Ballroom III
Tue, 11/7	8:00 AM	Session 65 Mosquitoes: Insecticide Resistance and Control	Convention Center - Room 321/322/323
Tue, 11/7	10:15 AM	Session 77 Vector-Borne Diseases and the WHO Global Vector Control Response	Convention Center - Room 318/319/320
Tue, 11/7	10:15 AM	Session 80 Fogarty International Center: Advancing Multidisciplinary Research to Understand the Ecology and Evolution of Infectious Diseases	Convention Center - Room 327/328/329
Tue, 11/7	10:15 AM	Session 82 Mosquitoes: Molecular Genetics and Genomics	Convention Center - Room 337/338
Tue, 11/7	12:15 PM	Session 88 Career Trajectories and Work-Life Balance in Academia, Government and the Private Sector of the Infectious Disease Arena	Convention Center - Room 339/340
Tue, 11/7	1:45 PM	Session 90 Transmission-Blocking Vaccines: What We Have Achieved So Far	Convention Center - Ballroom I
Tue, 11/7	1:45 PM	Session 94 West Nile and Other Viruses	Convention Center - Room 318/319/320
Tue, 11/7	1:45 PM	Session 97 American Committee of Medical Entomology (ACME) Symposium I: Annual Business Meeting, Awards and Hoogstraal Medal Presentations and Networking Reception	Convention Center - Room 327/328/329
Tue, 11/7	4:00 PM	Session 106 Science Is Real: Climate Change Impacts on Vector Borne-Diseases	Convention Center - Ballroom IV
Tue, 11/7	4:00 PM	Session 107 Zika I	Convention Center - Room 318/319/320
Tue, 11/7	4:00 PM	Session 110 American Committee of Medical Entomology (ACME) Symposium II: New and Young Investigators in Medical Entomology	Convention Center - Room 327/328/329
Tue, 11/7	5:00 PM	Session 116 Speed-Networking with the Experts	Hilton - Holiday Ballroom 1
Tue, 11/7	6:15 PM	Session 117 Plenary Session III: Commemorative Fund Lecture	Convention Center - Ballroom III
Wed, 11/8	8:00 AM	Session 123 Zika II	Convention Center - Room 318/319/320
Wed, 11/8	8:00 AM	Session 125 Wolbachia for Biocontrol of Arboviruses	Convention Center - Room 324/325/326

Wed, 11/8	8:00 AM	Session 131 Acute Febrile Illness and Acute Encephalitis Surveillance in India in the Context of the Global Health Security Agenda: Unveiling Emerging Pathogens and Informing Disease Prioritization	Convention Center - Room 343/344
Wed, 11/8	1:45 PM	Session 154 Emerging Tick-Borne Infections: Entomological and Clinical Aspects	Convention Center - Room 324/325/326
Wed, 11/8	1:45 PM	Session 155 The Dengue Controlled Human Infection Model (CHIM) - A Tool to Deconstruct the Immune Response Toward the Identification of Immune Correlates of Protection	Convention Center - Room 327/328/329
Wed, 11/8	1:45 PM	Session 160 Innovative Approaches to Encourage Broader Public Engagement with Tropical Medicine	Convention Center - Room 343/344
Wed, 11/8	6:15 PM	Session 174 Plenary Session IV: President's Address and Annual Business Meeting	Convention Center - Ballroom III
Thurs, 11/9	8:00 AM	Session 177 Clinical Tropical Medicine II	Convention Center - Ballroom IV
Thurs, 11/9	8:00 AM	Session 180 Mosquitoes: Operational Control	Convention Center - Room 324/325/326
Thurs, 11/9	10:15 AM	Session 187 Plenary Session V	Convention Center - Ballroom III
Thurs, 11/9	11:15 AM	Session 189 Taking Innovations to Market: Ideas and Products from the Ebola and Zika and Future Threats Grand Challenges for Development	Convention Center - Ballroom III
Thurs, 11/9	11:15 AM	Session 191 Clinico-Epidemiologic Studies and Laboratory Diagnostic Approaches during the 2016 Zika Outbreak in Puerto Rico	Convention Center - Room 318/319/320

Position Available:



Position: Laboratory and insectary technician

POSITION SUMMARY:

Performs laboratory experiments in support of research projects investigating arboviral pathogenesis in mosquitoes, cells and small animal models. Works both as part of the lab team and independently to advance our project goals. Keeps accurate records of procedures. Manages the lab with respect to ordering, inventory, budgeting, organization and cleanliness. The selected individual will have the opportunity to be involved in all stages of research in the lab, and included in publications and presentations. A three-year commitment is expected.

REQUIRED EDUCATION AND EXPERIENCE:

- Masters degree in microbiology, molecular biology, cell biology, tropical medicine, or related discipline
- Molecular biology and infectious disease laboratory experience
- Experience with mosquito rearing and dissection
- Experience with cell culture and cell-based assays
- Attention to detail and careful record-keeping
- Excellent organizational and communication skills
- Analytical skills to resolve problems using scientific and technical principles

REQUIRED KNOWLEDGE, SKILLS, ABILITIES/COMPETENCIES TYPICALLY NEEDED TO PERFORM THIS JOB SUCCESSFULLY:

1. Mosquito breeding, manipulation and dissection
2. Cell culture techniques
3. Mosquito and cell virus infections
4. Molecular biology techniques (PCR, qPCR, cloning)
5. Protein production
6. Western blotting and ELISAs
7. Small animal infections and dissection
8. Record keeping/laboratory notebook documentation skills

If interested, please contact: Dr. Tonya Colpitts, Boston University School of Medicine, National Emerging Infectious Diseases Laboratories – NEIDL

617-414-8993 tncol@bu.edu

ACAV members in action



Lark Coffey

Brad Blitvich and colleagues collecting mosquito larvae, Chiapas, Mexico



ACAV needs you...

ACAV needs your help to provide information of importance to the membership. This newsletter will have sections for positions available (faculty, post-doctoral fellows, training opportunities, etc.), books of interest, updates on meetings, and anything relevant to the modern arbovirologist. We need you to send items (and really need pictures!) that should be shared. If you are creative and want to put your artistic talent to use for ACAV, we are looking for a new logo. The design will be part of our website, newsletter, and any future items ACAV may generate. If you have material you'd like included in the next edition of the newsletter, please send it to SIE (apowers@cdc.gov) or any ACAV council member.



Lao Medical Laboratory Scientists learning to diagnose dengue and NTDs, Vietnam

Rebecca Kading aspirating mosquitoes



We're on the Web!

See us at:

<http://www.astmh.org/subgroups/acav>