AGENDA
Venom Week V Agenda
Wednesday, March 9

7:30 REGISTRATION/BREAKFAST Buffet

8:00 WELCOME/OVERVIEW:
    Sean P. Bush, MD

8:10 Key Note: The Dynamics and Kinetics of the Venom-Antivenom Dance
    Steven A. Seifert, MD

9:00 Recovery from Pit Viper Envenomation: Answers and Questions
    Eric Lavonas, MD

9:50 BREAK

10:10 Antivenom Use in Copperhead Envenomation
    Charles J. Gerardo, MD

11:00 Comparison of F(ab’), versus Fab Antivenom for Pit Viper Envenomation: A prospective, Blinded, Multicenter, Randomized Clinical Trial
    Sean P. Bush, MD

11:30 Continuous Intravenous Infusion
    Gus A Gross, MD

12:00 LUNCH

1:00 Neutralization of Crotamine Isoforms with a Chemically-Modified DNA Aptamer: Development of a Synthetic Antivenom
    Elda E Sanchez, PhD

1:50 Factors that Influence the Clinical Severity of Venomous Snakebites in Southern California
    Aaron Corbit, PhD

2:20 A Rare Chinese Pit Viper in Minnesota: Protobothrops mangshanensis Envenomation
    Daniel Keyler, PharmD

2:45 BREAK

3:00 Late Coagulopathy After F(ab’), Treatment of Rattlesnake Envenomations in Southern California
    Sean P. Bush, MD

3:20 Key Note: A Gila in the Heartlands
    Steven A. Seifert, MD

3:40 Coral Encounter
    Gus A. Gross, MD

4:00 Pain Control with Fentanyl Patch
    Gus A. Gross, MD

    Sean G Smith, BSN, RN, BBA

4:40 Key Note: Biodiscovery Potential of Understudied Venomous Reptile Lineages
    Bryan G. Fry, PhD

5:00 ADJOURN
Venom Week V Agenda  
Thursday, March 10

7:30 REGISTRATION/BREAKFAST BUFFET
8:00 WELCOME/OVERVIEW:  
Sean P. Bush, MD

8:10 Keynote: Surgical Management Considerations of Venomous Snakebite  
Eric Toschlog, MD

9:00 Keynote: “Do Antivenoms Work? Barriers to proving efficacy in antivenom trials”  
Richard C. Dart, MD, MD, PhD

9:50 BREAK
10:10 Apparent Efficacy of Low-Dose Constant-Infusion Crotalidae Antivenom for Control of Defibrinogenation Recurrence Syndrome Following Envenomation by the Eastern Diamondback Rattlesnake (Crotalus adamanteus)  
Craig Kitchens, MD

10:35 A Polyspecific Antivenom for Sri Lanka: First to Include Hypnale  
Daniel Keyler, PharmD

11:00 The efficacy of early Fab antivenom vs. placebo plus optional rescue therapy on recovery from copperhead snake envenomation  
Eric Lavonas, MD

12:00 LUNCH

Native Snake Display  
Sean P. Bush, MD and Dorcas O’Rourke, DVM

1:00 Keynote: Re-Testing the ‘Testing’ of the Toxicofera: The Importance of Proper Phylogenetic Methods in Toxinology  
Bryan Fry, PhD

1:50 The Antivenom Index: An Online, Systematic Response to Non-Native Envenomations in the US  
Steven A Seifert, MD

2:20 Paradoxal Exception to Island Tameness: Increased Defensiveness in Insular Population of Rattlesnakes  
William K Hayes, PhD

2:45 BREAK
3:00 Diet and Venom Ontogeny in Insular and High-Altitude Populations of the Southern Pacific Rattlesnake (Crotalus oreganus helleri)  
William K Hayes, PhD

3:15 1. Medically Relevant Venomous Snakes in Nepal  
2. Attitudes, Knowledge and Awareness of Snakes and Snakebite Care and Prevention Among Chitwan National Park Buffer Zone Inhabitants: Implications for Conservation and Public Health in Southern Nepal  
3. Eco-epidemiological Circumstances and Pre-admission Histories of Proven Krait and Russell’s Viper Bites Including Hospital-based Snakebite Incidence in Southern Nepal  
Deb Pandy, PhD

4:00 Snakebite Incidence in Western Development Region, Nepal  
Kamal Devkota

4:20 Bothropstoxin-I (BTHTX-I) And Polylsine Can Potentiate Bothropstoxin-ii (BTHTX ii) Activity and They are Antagonized by Fusosylated Chondroitin Sulfate  
Paulo Melo, MD, PhD

4:40 Northern Pacific Rattlesnake (Crotalus oreganus) Envenomation Leads to Ocular Destruction and Coagulopathy  
Mike Touger

5:00 ADJOURN
Venom Week V Agenda, Friday, March 11

7:30 REGISTRATION/BREAKFAST BUFFET

8:00 WELCOME/OVERVIEW
  Sean P. Bush, MD

8:10 Keynote: Keynote: Widows and recluses and hobos, oh my: a walk through the past and present of North American spider envenomation
  Richard S Vetter, MS

9:00 Ontogeny of Defensive Behaviors in the Western Black Widow Spider (Latrodectus hesperus)
  David Nelson, PhD

9:25 Characterization of the Proteome for the Wandering Spider, Ctenus hibernalis (Aranea:Ctenidae)
  Jeff Cole

9:50 BREAK

10:10 Sensory Shifts Following Autotomy in the Golden Orb Weaver (Nephila clavipes): Leg Arrangement and Vibratory Signals
  David Nelson, PhD

10:30 Venoms from Centruroides sp. Scorpions Cleave SNARE Proteins
  Paul L Fletcher, Jr., PhD

10:50 Metalloproteases in New World Scorpion Venoms Cleave Intracellular Membrane Fusion SNARE Proteins
  VAMP2 and VAMP8
  Paul L Fletcher, Jr., PhD

11:10 Phospholipase D Toxins from Spiders, Bacteria and Fungi Generate Cyclic Phosphate Products
  Daniel M Lajoie

11:40 Antagonism of In-Vitro and In-Vivo Activities of Apis mellifera Venom by Antiapilic Serum
  Paulo Melo, MD, PhD

12:00 LUNCH

1:00 Keynote: History, Controversies, and What is New in Treating Rattlesnake Envenomations in Animals
  Karen Seibold, DVM, DACVECC/ Reagan Wells, DVM, MS, DACVECC

1:50 Review: The Dog as a Translational Model for Envenomation
  Craig Woods, DVM

2:10 In Vitro Echinocytosis Development Secondary to Rattlesnake (Crotalus atrox) and Copperhead (Agkistrodon contortrix laticinctus) Venom in the Dog and the Horse
  Stasia Sullivan

2:30 Severe Pit Viper Envenomation with Extended Clinical Signs and Treatment Complications
  Michael Schaer, DVM, DACVIM, DACVECC

2:50 BREAK

3:00 Efficacy of an Equine Hyperimmune Plasma Product Against the Venom of Four North American Rattlesnakes
  Lyndi L Gilliam

3:30 Prospective Evaluation of the Incidence of Wound Infection in Rattlesnake Envenomation in Dogs
  Jennifer Schultz, DVM and Amy Carr, DAVECC

4:00 Rattlesnake Envenomation in Three Dairy Goats: Application of an Existing Equine Rattlesnake Bite Severity Scoring System
  Joe Smith, DVM, MPS

4:30 Coagulopathy in Prairie Rattlesnake (Crotalus viridis) envenomation: with carbon monoxide releasing molecule - 2 increases clot strength and attenuates fibrinolysis
  Tyler Johnson, DO

4:45 Q&A

5:00 ADJOURN
Venom Week V
Agenda
Saturday, March 12

7:30  REGISTRATION/BREAKFAST BUFFET

8:00  WELCOME/OVERVIEW
Sean P. Bush, MD

8:10  Humanized Cobra Venom Factor: Development of a Therapeutic Agent from a Venom Component
Carl-Wilhelm Vogel, MD, PhD

8:35  Detection of Venom-Antivenom Complex Formation using Size-Exclusion Chromatography: Factors Effecting Elution Profiles and Immune Complex Formation
Charles G. Sanny, PhD

9:00  Taking Up Serpents: Religious Snake Handling in the United States Conservation of a Venomous Island Endemic through Skillset Development
Kristen Wiley

9:50  BREAK

10:10  Community Engagement in a Snake Antivenom Development Project, Aligning past and Present, Putting Aside Ethnocentrism and Embracing Cultural Diversity for Success
Kimberly McWhorter, MPH, CPH

10:25  Rattlesnake Canyon, Building the World’s Largest Indoor Rattlesnake Exhibit
Jessi Krebs

10:40  Florida Antivenin Bank to Miami Dade Venom Response Bureau: The History of a Unique Anti-Venom Bank and Venom Response Team. First Reported Case of Deinagkistrodon acutus Envenomation in United States; A Case Report of Venom Unit Interstate Response and Care
Benjamin Abo, DO, EMT-P FAWM(c)

11:10  Sistrurus miliarius Envenomation Report
Ali Lyoob

Christie Wilcox

11:40  The Paracelsus Paradox: Therapeutic Toxinology..."Dosis Facit Venenum!"
Sean G Smith, BSN, RN, BBA

11:55  WRAP-UP

12:00  ADJOURN