

V International Symposium in Biomedicine

Armênio A. Santos & Aldo A.M. Lima,
INCT_Biomedicine / UPC & IBIMED,

IBISAB Session 1: Advance Topics in Biomedicine

Chair: Aldo A.M. Lima and

Manassés C. Fonteles

MARCH 4TH: THURSDAY

14:10 Opening Remarks and Welcome
Aldo A.M. Lima, Universidade Federal do Ceará

14:20 The Untold Story of Endogenous Mammalian & Bacterial Peptides Ligands of Guanylyl Cyclase C
Manassés C. Fonteles, Universidade Makenzie, S. Paulo, SP

14:40 Perfused Kidney as a Pharmacological Tools for Toxicology Studies of Small Peptides
Helena S. A. Monteiro, M.D., Ph.D. and Janaina S.A.M. Evangelista, Ph.D., Universidade Federal do Ceará

15:00 Adenosine Deaminase Inhibition Prevents *Clostridium difficile* ToxinA-Induced Enteritis in Mice
Gerly Anne C. Brito, M.D., Universidade Federal do Ceará

15:30 Coffee Break

15:50 Re-assessing Intestinal Absorptive and Barrier Function: Molecular Biology, Genetic and Pharmacological Tools for Gut Research
Aldo A. M. Lima, M.D., Ph.D., Universidade Federal do Ceará

16:10 ApoE Polymorphisms and Diarrheal Outcomes in Brazilian Shanty Town Children
Reinaldo B. Oriá, Ph.D., Universidade Federal do Ceará

16:30 Malnutrition as an Enteric Infectious Disease with Long-Term Impact on Child Development
Richard L. Guerrant, M.D. University of Virginia

17:00 Closing

14th Tropical and Medicine Research Center (TMRC) and Internacional Collaborative Infectious Diseases Research (ICIDR) in the Northeast of Brazil

Chairs: Richard L. Guerrant / Aldo A.M. Lima

March 5th: Friday Morning

14th TMRC Session 1: Malnutrition, Diarrheal Diseases and Enteric Infections

09:00 Opening Remarks and Welcome
Aldo A.M. Lima, Universidade Federal do Ceará

09:10 Escherichia coli pathotypes etiologies of enteric infections in Northeast of Brazil: high prevalence and genetic heterogeneity
Alexandre H. Bindá, Ph.D., And Ila Fernanda Nunes Lima, Ph.D., Universidade Federal do Ceará

09:30 Diarrheal diseases and malnutrition: impact on gut function, nutrients interventions, growth, and genetic determinants on intestinal inflammation and nutrients outcomes
Aldo A. M. Lima, M.D., Ph.D., Universidade Federal do Ceará

09:50 Effects of prolonged episodes of acute diarrhea on childhood growth and risk of persistent diarrhea in northeast Brazil: a community birth cohort study
Sean R. Moore, M.D., Cincinnati Children's Hospital Medical Center

10:10 Coffee Break

10:30 Zinc and glutamine protects brain development in Swiss mice challenged by maternal separation and early weaning
Reinaldo B. Oriá, Ph.D., Universidade Federal do Ceará

10:50 Malnutrition as an enteric infectious disease
Richard L. Guerrant, M.D. University of Virginia

12:00 Lunch

Chairs: Warren D. Johnson, Jr/ Edgar M. Carvalho

March 5th: Friday Afternoon

14th TMRC Session 2: Host Immunological and Parasite Factors in the Pathogenesis of Tegumentar Leishmaniasis

14:00 The role of *Leishmania braziliensis* polymorphism on disease outcome and distribution - Albert Schriefer, Universidade Federal da Bahia

14:20 Protective and pathogenic immune response in tegumentary leishmaniasis
Edgar M. Carvalho

14:40 The role of monocytes in the pathogenesis of cutaneous leishmaniasis - Lucas P. Carvalho, Universidade Federal da Bahia

15:00 Lymphonode hypertrophy: how the immune system maximizes the response to leishmania
Phillip Scott, University of Pennsylvania
Free time for group discussions and/or Outdoor activities

Chairs: Selma M. B. Jerônimo / Mary E. Wilson

March 6th: Saturday Morning

14th TMRC Session 3: Leishmaniasis: genetic determinants and diagnostic

09:00 A species-discriminating diagnostic quantitative PCR for leishmaniasis: enumeration of kDNA copies in *Leishmania* species, strains and life stages
Mary E. Wilson, M.D., University of Iowa

09:20 *Leishmania chagasi* infection in northeastern Brazil; observations from the urban fringe: Is the infected sand fly vector *Lutzomyia longipalpis* becoming more anthropophilic?
Selma M. B. Jerônimo, Universidade Federal do Rio Grande do Norte

09:40 Ethnic structure of populations living in endemic areas of *Leishmania* and *Mycobacterium* on North and Northeast Brazil
Carlos E.M. Gomes, Universidade Federal do Rio Grande do Norte

10:00 Impact of *Leishmania chagasi* infection on nutritional status and development
Bruna L. L. Maciel, M.Sc. Universidade Federal do Rio Grande do Norte

10:20 Coffee Break

14th TMRC Session 4: Tuberculosis and HTLV-1

10:40 Post-exposure vaccine for tuberculosis-towards eradication of tuberculosis
Lee W. Riley, University of California

11:00 Viral and immunological factors in clinical manifestations associated to HTLV-1 infection
Edgar M. Carvalho, Universidade Federal da Bahia

11:20 TMRC Closing Remarks
Richard L. Guerrant, M.D. University of Virginia

Outdoor activities / TMRC departure

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IBISAB Session 2: Gastro-esophageal and intestinal function, motility and diseases

Chair: Ricardo B. Oliveira, Ribeirão Preto, Universidade de S. Paulo

March 6th: Saturday Morning

V Symposium IBISAB Session 2

09:00 Pharmacological modulation of intestinal inflammation by dexamethasone reversed the gastrointestinal dysmotility associated with cancer chemotherapy-induced intestinal mucositis in rodents
Marcellus H. L. P. Souza, Universidade Federal do Ceará

09:20 Acute blood donation decreases the gastric tonus and satiety in human volunteers
Geraldo Macedo, M.D., Universidade Federal do Ceará

09:40 Diaphragmatic training enhances the anti-reflux barrier in humans
Josire Vitorino Lima, MD., Universidade Federal do Ceará

10:00 Anti-reflux barrier in gastro-esophageal reflux disease: pressure evaluation of diaphragmatic component
Giovanni Martins, M.D., Universidade Federal do Ceará

10:20 Coffee Break

10:40 Esophageal and cardiovascular function in Chagas Disease
Daniella Leopoldino, M.D., Universidade Federal do Ceará

12:00 Lunch

IBISAB Session 3: Gastro-esophageal and intestinal function, motility and diseases (Room A)

Chairs: Armênio A. Santos, Universidade Federal do Ceará

March 6th: Saturday Afternoon

V Symposium IBISAB Session 3

14:00 Effects of intestinal inflammation on the enteric nervous system
Patrícia Castelucci, Ph.D., Universidade de S. Paulo

14:20 Does the acute exercise alters the gastric emptying in healthy volunteers?
Moisés Tolentino, Universidade Federal do Ceará



March 6th: Saturday Afternoon

IBISAB Session 3: Gastro-esophageal and intestinal function, motility and diseases (Room A)

Chairs: Armênio A. Santos, Universidade Federal do Ceará

V Symposium IBISAB Session 3

14:40 The atrial stretch decreases the gastric emptying of liquids in awake rats
Raimundo Palheta, Universidade Federal Vale do S. Francisco

15:00 Rectal distension increases the esophageal reflux in sedated dogs: investigation of mechanisms of a putative rectoesophageal reflex
Ronaldo Graça, M.D., Ph.D., Universidade Federal do Ceará, Sobral Invited Speaker

15:20 Free time for group discussions and/or Outdoor activities

IBISAB Session 4: Neuroscience (Room B)

Chairs: Otoni C. Vale

V Symposium IBISAB Session 4

14:00 Neurodevelopmental impact of early childhood diarrhea and malnutrition
Peter D. Patrick, University of Virginia

14:30 Cross-modal processing in the primary visual cortex
Sidarta Ribeiro, Ph.D., Universidade Federal do Rio Grande do Norte

14:50 Quantitative magnetic resonance imaging and its applications to patients with cerebrovascular diseases
Dráulio Araújo, Ph.D., Universidade Federal do Rio Grande do Norte

15:10 Coffee Break

15:30 Visual evoked potentials in diabetes mellitus
Otoni C. Vale, M.D., Ph.D., Universidade Federal do Ceará

16:00 Fitagliptin in diabetes mellitus: correlations between evoked potentials and biochemical marker values
Joelma I. Tagliapictra, M.D., Universidade Federal do Ceará

16:20 Neurological and histopathological changes induced by HTLV-1 infection in Wistar rats
Carlos Campos Câmara / Carlos M. C. Costa

16:40 Free time for group discussions and/or Outdoor activities

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Photo:

Fortaleza City Beach by Leah Barret

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14th Tropical Medicine Research Center Meeting

V International Symposium in Biomedicine

ADVANCED TOPICS IN BIOMEDICINE

March, 4-6th, 2010
Fortaleza, Ceará - Brasil

Local:

Hotel Plaza Praia Suites

Rua Barão de Aracati, 94 Praia de Iracema
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Realização:



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do Ceará - UFC

Apoio:



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