



## SCIENTIFIC PROGRAMME

**II International and Latin American *Clostridium difficile* Symposium: epidemiology, pathogenesis, prevention and treatment**

**LOCAL: NPDM Auditorium - UFC**

**June 6, 2019**

### **8:30 - 9:00 am - Welcome**

- Symposium Coordinator: Prof. Dr. Gerly A. Castro Brito (UFC).
- Representatives of the Faculty of Medicine, UFC.
- Representatives of the Dean of Research and Graduate Programs UFC

### **Module 1: Epidemiological situation of *Clostridium difficile* in Latin America and the World**

**Chairperson:** Prof. Dr. Eliane Oliveira. UFRJ, Brazil

**9:00 - 9:40 am - “Epidemiology of *Clostridium difficile* in animals in Brazil”**  
Prof. Dr. Rodrigo Otávio Silva, UFMG, Brazil.

**9:40 – 10:20 am – “*Clostridium difficile* infection in Central America: epidemiology, new strains and antibiotic resistance”.**  
Prof. Carlos Quesada-Gómez. PhD.  
Universidad de Costa Rica, San José, Costa Rica.

**10:20 – 10:50 am - Coffee break**

**10:50 - 11:30 am – “Prevalence of diarrhea by *Clostridium difficile* in hospitalized patients in Brazilian centers: a multicenter, prospective study”**  
Prof. Dr. Silvia Costa USP, Brazil (Dra. Evelyne Girão. PhD Student, USP, Brazil).

**11:30 – 11:50 am - “Molecular epidemiology of *Clostridium difficile* infection in a Brazilian cancer hospital”**  
Dr. Cecília Leite Costa. Post doc, UFC, Brazil.

**11:50 – 12:10 am - “Molecular characterization of *Clostridium difficile* strains isolated from patients at a children's hospital in Fortaleza, Ceará”**  
Dr. Hildenia Baltazar. PhD Student, UFC, Brazil.

**12:10 – 1:00 pm – Lunch**

**1:00 - 2:00 pm – Poster Session**

**Module 2: Pathogenesis of *Clostridium difficile*-associated disease**

**Chairperson:** Prof. Dr Vivaldo Moura Neto, UFRJ, Brazil

**2:00 – 2:40 pm - "Updates on the pathogenesis of *Clostridium difficile* infections: does in vivo biofilm formation play a role?"**

Prof. Claire Janoir, PhD, France

**2:40 – 3:20 pm – “Updates on *Clostridium difficile* spore biology: a major threat to the hospital environment.”**

Prof Daniel Paredes-Sabja, PhD, Chile

**3:20 – 3:50 pm - *Coffee break***

**3:50 - 4:30 pm - “Effect of *Clostridium difficile* toxins on the enteric nervous system”**

Dr Gerly Anne de Castro Brito, UFC, Brazil (Deiziane Viana da S. Costa, PhD Student. UFC, Brazil).

**4:30 – 4:50 pm – “Characterization of the role of the collagen-like exosporium, BclA, proteins in the *Clostridium difficile* spore biology and pathogenesis of the disease.”**

Dr. Marjorie Pizarro-Guajardo, PhD, Chile

**4:50 – 5:10 pm – “Participation of Rac-1 in *C. difficile* toxin A-induced inhibition of wnt/ $\beta$ -catenin signaling”.**

Conceição Martins, PhD. Post doc, UFC, Brazil

**June 7, 2019**

**Module 3: Genomics and proteomics of *Clostridium difficile***

**Chairperson:** Prof. Dr. Rodrigo Otávio Silva, UFMG, Brazil.

**9:00 – 9:40 am – “Understanding the epidemiology of *Clostridium difficile* through the use of Whole Genome Sequencing”.**

Dr Bradley T. Endres, University of Texas School of Public Health, Houston, USA

**9:40 – 10:20 am – “Mobile genetic elements with the Cfr dimethylase in epidemic *C. difficile* isolates from Latin America”.**

Prof. César Rodríguez. PhD. Universidad de Costa Rica, San José, Costa Rica.

**10:20 - 10:50 am - *Coffee break***

**10:50 – 11:30 am - “Proteomics as a tool for the study of virulence of *C. difficile*”**

Prof. Dr Eliane Oliveira. UFRJ, Brazil

**11:30 – 12:00 am - “Comparative exoproteomic analysis between supernatants of *Clostridium difficile* strains isolated in Latin America”**

Dvison Pacifico. PhD Student, UFC, Brazil.

**12:00 –1:00 pm - Lunch**

**1:00 – 2:00 - Poster session**

**Module 4: New perspectives on the diagnosis, treatment and prevention of *Clostridium difficile***

**Chairperson:** Prof. Dr. Gerly A. Brito (Symposium Coordinator)

**2:00 – 2:40 pm – “Hospital clinic for infections complicated by *Clostridium difficile* and fecal transplantation for treatment”.**

Prof. Dr. Cirle Alcântara. University of Virginia, Virginia, EUA .

**2:40 – 3:10 pm – “Implantation of Fecal Microbiota Transplant Center in University Hospital of Brazil: inicial experience”.**

Daniel Antônio de Albuquerque Terra, Master Student, UFMG, Brazil.

**3:10 – 3:40 pm – “Non-toxigenic *C. difficile* strain protects piglets against CDI”.**

Dr. Carlos Augusto de Oliveira Júnior, Post doc, UFMG, Brazil

**3:40 - 4:10 - Coffee break**

**4:10–5:00 - Concluding Remarks / meeting with experts: "Network of scientific collaboration in epidemiology, pathogenesis and virulence of *Clostridium difficile*"**

**Mediador: Gerly A.Brito**

Bradley Endres, Carlos Quesada-Gómez, César Rodríguez, Cirle Alcântara, Claire Janoir, Daniel Paredes-Sabja, Eliane Oliveira, Rodrigo Silva, Silvia Costa, Vivaldo Moura Neto