



Program Sunday, Sep. 28

Satellite Workshops - 2:00 pm – 4:00 pm

Satellite Workshop 1 - Enteric viruses - Room Turquesa

1. Replication and virus-cell interaction of Norovirus - **Ian Goodfellow**, University of Cambridge, UK
2. Kobuvirus (Aichivirus B) infection in Brazilian cattle herds - **Amauri Alcindo Alfieri**, Londrina State University, Londrina, Paraná, PR, Brazil
3. Norovirus and sapovirus in day-care children – **Divina das Dores de Paula Cardoso**, Federal University of Goiás, Goiânia, GO, Brazil
4. Enteric viruses in drinking water, Southern Brazil – **Fernando Rosado Spilki**, Feevale University, Novo Hamburgo, RS, Brazil (Chair)

Satellite Workshop 2 - Next-generation sequencing of viral genomes - Room Ágata

1. Discovery of novel viruses from insects and plants - **Fernando Lucas de Melo**, University of Brasília, Brasília, DF, Brazil
2. Next generation sequencing as a tool for discovering and monitoring arboviruses – **Renata Dezengrini Shessarenko**, Federal University of Mato Grosso, Cuiabá, MT, Brazil
3. Next generation sequencing technologies for genome and transcriptome studies of Porcine Circovirus - **João Pessoa Araújo Junior**, São Paulo State University, Botucatu, SP, Brazil
4. Next generation sequencing and metagenomic virome analysis from environmental samples – **Tatsuya Nagata**, University of Brasília, Brasília, DF, Brazil (Chair)

Satellite Workshop 3 - Respiratory viruses: from bench to trench - Room Ônix

1. Update on newcastle disease virus – **Muhammad Munir** - The Pirbright Institute, UK
2. Coronaviruses in bats: what is new? - **Edison Luiz Durigon**, University of São Paulo, São Paulo, SP, Brazil (Chair)
3. Targeting cell division cycle 25 homolog B to regulate influenza virus replication - **Ana Claudia Trocoli Torrecilhas**, Federal University of São Paulo, São Paulo, SP, Brazil
4. Respiratory viral infections in immunosuppressed patients - **Meri Bordignon Nogueira**, Federal University of Paraná, Curitiba, PR, Brazil

Satellite Workshop 4 - Virology nucleus AUGM (Asociación de Universidades Grupo Montevideo) – Room Topázio

1. An overview of the mission and priorities of the Molecular Virology Nucleus (AUGM) - **Juan Daniel Claus**, Coordinator of AUGM, Universidad Nacional del Litoral, Santa Fé, Argentina
2. Molecular biology of baculovirus: basic and applied studies - **Víctor Romanowski**, Universidad Nacional de La Plata, La Plata, Argentina
3. State-of-art of viral vector-borne zoonoses in Argentina - **Marta Contigiani**, Universidad Nacional de Córdoba, Córdoba, Argentina
4. Mechanism of carcinogenesis associated with human papillomavirus infection: role of the domains of protein PDZ interaction - **Daniela Gardiol**, Universidad Nacional de Rosario, Rosario, Argentina



XXV Congresso Brasileiro
de **Virologia**

IX Encontro de Virologia do Mercosul

28 de setembro
a
01 de outubro | 2014

Ribeirão Preto | Centro
de Convenções
de Ribeirão Preto
São Paulo - Brasil

5. Detection of human papillomavirus and co-risk factors for the development of cervical cancer in Paraguay - **Laura Mendoza Torres**, Universidad Nacional de Asunción, Asunción, Paraguay
6. Development of molecular tools for identifying viral - **Adriana Giri**, Universidad Nacional de Rosario, Rosario, Argentina
7. Emerging viruses in Uruguay: some yes and others no - **Juan Arbiza**, Universidad de la República, Montevideo, Uruguay
8. Distribution of vaccinia virus in the South America - **Erna Geessien Kroon**, Federal University of Minas Gerais, Belo Horizonte, MG, Brazil
9. Recent developments in recombinant viral vaccines for veterinary use in Brazil - **Eduardo Furtado Flores**, Federal University of Santa Maria, Santa Maria, RS, Brazil
10. Coronavirus in wild birds in Brazil - **Clarice Arns**, Campinas State University, Campinas, SP, Brazil (Chair)

4:00 pm – 4:30 pm - Coffee break

7:00 pm – 9:00 pm - Opening Ceremony Keynote conference: Room Esmeralda
Infections of neurons by herpesviruses: How do they do that?
Lynn Enquist, Princeton University, Princeton, NJ, USA

9:00 pm – 11:00 pm - Cocktail reception and visit to exhibits

Monday, Sep. 29

8:00 am – 9:00 am - Mini Courses

Room Ágata

1. Introduction to viral replication - Luciana Jesus da Costa, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil

Room Turquesa

2. Proteomic applications in virology – Alessandra Vidotto, Medical School of São Jose do Rio Preto, São José do Rio Preto, SP, Brazil

Room Topázio

3. Molecular diagnosis in virology – Roberta Bronzoni, Federal University of Mato Grosso, Sinop, MT, Brazil, and **Luciano Kleber de Souza Luna**, University of São Paulo, Ribeirão Preto, SP, Brazil

Room Ônix

4. Viral phylogeny and sequence analysis – Camila Romano, University of São Paulo, São Paulo, SP, Brazil

9:00 am - 10:30 am - Oral presentations: session 1 to 4

SESSION 1 – Human Virology I – Room Topázio

SESSION 2 – Plant and Invertebrate I -Room Turquesa

SESSION 3 – Veterinary Virology I - Room Ônix

SESSION 4 – Environmental Virology - Room Ágata

10:30 am - 11:00 am - Coffee break and visit to exhibits



**XXV Congresso Brasileiro
de Virologia**

IX Encontro de Virologia do Mercosul

28 de setembro
a
01 de outubro | 2014

Ribeirão Preto | Centro
de Convenções
de Ribeirão Preto
São Paulo - Brasil

11:00 am - 12:00 noon - Conference 1 - Room Esmeralda

Host cell restriction factors for HIV-1 replication

Jeremy Luban, University of Massachusetts Medical School, Worcester, USA

Luciana Jesus da Costa, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil

(Chair)

12:00 pm – 2:00 pm - Lunch Break and Visit to the Exhibits

2:00 pm – 3:00 pm - Conference 2 - Room Esmeralda

Emerging and re-emerging virus infections in pigs

Tanja Opriessnig, University of Edinburgh, Scotland, UK and Iowa State University, USA

Paulo Eduardo Brandão, University of São Paulo, São Paulo, SP, Brazil (Chair)

3:00 pm – 4:30 pm - Oral presentations: session 5 to 8

SESSION 5 – Basic Virology I - Room Ágata

SESSION 6 – Human Virology II - Room Topázio

SESSION 7 – Plant and Invertebrate Virology II - Room Turquesa

SESSION 8 – Veterinary Virology II - Room Ônix

4:30 pm - 5:00 pm - Coffee break and visit to exhibits

5:00 pm – 6:30 pm - Oral presentations 9 to 12

SESSION 9 – Human Virology III - Room Topázio

SESSION 10 – Basic Virology II - Room Ágata

SESSION 11 – Veterinary Virology III - Room Ônix

SESSION 12 – Immunobiologicals in Virology - Room Turquesa

6:30 pm - 8:30 pm - Poster Session 1 and Visit to Exhibits

Social Mixer

Tuesday, Sep. 30

8:00 am – 9:00 am - Mini Courses

Room Ágata

1. Introduction to viral replication - Luciana Jesus da Costa, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil

Room Turquesa

2. Proteomic applications in virology – Alessandra Vidotto, Medical School of São Jose do Rio Preto, São José do Rio Preto, SP, Brazil

Room Topázio

3. Molecular diagnosis in virology – Roberta Bronzoni, Federal University of Mato Grosso, Sinop, MT, Brazil, and **Luciano Kleber de Souza Luna**, University of São Paulo, Ribeirão Preto, SP, Brazil

Room Ônix

4. Viral phylogeny and sequence analysis – Camila Romano, University of São Paulo, São Paulo, SP, Brazil



9:00 am - 10:30 am - Round Tables 1 to 4

Round Table 1 - Veterinary Virology - Room Topázio

Challenges and progress in disease control

1. Challenges in monitoring avian influenza virus - **Helena Lage Ferreira**, University of São Paulo, Pirassununga, SP, Brazil (Chair)
2. Viruses in wild birds with special reference to avian paramyxoviruses – **Muhammad Munir**, The Pirbright Institute, UK
3. Porcine epidemic diarrhea virus - **Tanja Opriessnig**, University of Edinburgh, Scotland, UK
4. Update on FMDV - **Rossana Allende**, Pan American Foot-and-Mouth Disease Center (Panaftosa), RJ, Brazil

Round Table 2 - Plant and Invertebrate Virology - Room Ônix

Viral metagenomics

1. Polydnavirus: diversity, genome organization, ecological implications and biotechnological potential: CfPDV as a case study - **Fernando Luis Cônsoli**, University of São Paulo, São Paulo, SP, Brazil
2. Genomic analysis of new baculoviruses isolated in Brazil - **Daniel Mendes Pereira Ardisson de Araújo**, University of Brasília, Brasília, DF, Brazil
3. Bean and associated weeds ssDNA virome – **Simone Ribeiro**, EMBRAPA CENARGEN, Brasília, DF, Brazil
4. Cell modulation factors are carried along structural proteins in the AgMNPV-2D budded and occluded virions - **Carla Torres Braconi**, University of São Paulo, São Paulo, SP, Brazil
Bergmann Morais Ribeiro, University of Brasília, Brasília, DF, Brazil (Chair)

Round Table 3 - Environmental Virology - Room Ágata

Advances in environmental virology

1. Standard Methods to concentrate viruses from freshwater samples - **Garland Shay Fout**, U. S. Environmental Protection Agency, Cincinnati, OH, USA
2. Avian parvoviruses as markers for environmental contamination – **Silvia Bofill-Mass**, University of Barcelona, Barcelona, Spain
3. Virus inactivation in sludge – **Maria Elisa Magri**, Federal University of Lavras, Lavras, MG, Brazil
4. Virus disinfection in drinking, reuse and sea waters - **Célia Regina Monte Barardi**, Federal University of Santa Catarina, Florianópolis, SC, Brazil
Fernando Rosado Spilki, University Feevale, Novo Hamburgo, RS, Brazil (Chair)

Round Table 4 - Basic Virology - Room Turquesa

HIV-host cell interaction

1. HIV replication mechanisms - **Jeremy Luban**, University of Massachusetts Medical School, USA
2. Diverse mechanisms involved in translation initiation of HIV-1 transcripts - **Luciana Jesus da Costa**, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil
3. Mechanisms by which the HIV-1 accessory protein Nef modifies protein trafficking in host cells – **Luis Lambert Pinto da Silva**, University of São Paulo, Ribeirão Preto, SP, Brazil (Chair)



10:30 am - 11:00 am - Coffee break and Visit to Exhibits

11:00 am - 12:00 noon - Conference 3 – Room Esmeralda

Polydnaviruses as symbionts and immunomodulatory gene delivery vehicles

Michael R. Strand, University of Georgia, Athens, GA, USA

12:00 pm – 2:00 pm - Lunch break and Visit to Exhibits

12:30 pm – 01:30pm – Room Topázio

Update on Chikungunya vírus

Pedro Fernando Vasconcelos, Evandro Chagas Institute, Belém, PA, Brazil

Chair: Eurico de Arruda Neto

2:00 pm – 3:00 pm - Conference 4 - Room Esmeralda

Early events in flavivirus infection

Jolanda Smit, The University Medical center Groningen, Groningen, The Netherlands

3:00 pm – 4:30 pm - Round Tables 5 to 8

Round Table 5 - Basic Virology - Room Turquesa

Interactions of flaviviruses with hosts

1. Effects of yellow fever virus infection on splicing – **Mauricio Lacerda Nogueira**, São José do Rio Preto Medical School, São José do Rio Preto, SP, Brazil
2. Structure of dengue virus proteins – **Ronaldo Mohana Borges**, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil
3. The influence of dengue vírus infection on *Aedes aegypti* feeding behaviour - **Rafael Maciel de Freitas**, Oswaldo Cruz Foundation, Rio de Janeiro, RJ, Brazil

Round Table 6 - Human Virology - Room Topázio

Human infections by emerging viruses

1. Central nervous system infections by arboviruses - **Maria Paula Mourão**, Heitor Vieira Dourado Foundation for Tropical Medicine, Manaus, AM, Brazil
2. Clinical pathogenesis of hantavírus pulmonar syndrome - **Luiz Tadeu Moraes Figueiredo**, University of São Paulo School of Medicine, Ribeirão Preto, SP, Brazil (Chair)
3. Chloroquine for dengue virus infections – **Benedito Antônio Lopes da Fonseca**, University of São Paulo School of Medicine, Ribeirão Preto, SP, Brazil

Round Table 7 – Veterinary Virology - Room Ônix

Molecular diversity of animal viruses

1. Reservoirs of vaccinia virus in Brazil – **Erna Geessien Kroon**, Federal University of Minas Gerais, Belo Horizonte, MG, Brazil
2. Molecular epidemiology and evolution of porcine parvoviruses – **André Felipe Streck**, Federal University of Rio Grande do Sul, Porto Alegre, RS, Brazil
3. Emergent viruses associated with gastroenteritis in dogs and cats - **Tatiana Xavier de Castro**, Fluminense Federal University, Niterói, RJ, Brazil
4. Molecular diversity of canine distemper virus – **Alice Fernandes Alfieri**, Londrina State University, Londrina, PR, Brazil

Chair: Rita de Cássia Nasser Cubel Garcia, Fluminense Federal University, Niterói, RJ, Brazil



XXV Congresso Brasileiro
de **Virologia**

IX Encontro de Virologia do Mercosul

28 de setembro
a
01 de outubro | 2014

Ribeirão Preto | Centro
de Convenções
São Paulo - Brasil | de Ribeirão Preto

Round Table 8 – Human virology/Immunobiologic products - Room Ágata

Computational virology applied to dengue virus studies

1. Genetic mosaicism in two strains of dengue type 3 - **Paolo Marinho de Andrade Zanotto**, University of São Paulo, São Paulo, SP, Brazil (Chair)
2. Molecular Dynamics of dengue NS3 protease conformations – **Jaime Martins de Santana**, University of Brasília, Brasília, DF, Brazil
3. Early budding stages of a Dengue Virus particle unveiled by Molecular Dynamics - **Ricardo Oliveira dos Santos Soares**, University of São Paulo, Ribeirão Preto, SP, Brazil

4:30 pm - 5:00 pm - Coffee break and visit to exhibits

5:00 pm – 6:30 pm - Round Tables 9 to 12

Round Table 9 – cancelada

Round Table 10 - Basic Virology - Room Ônix

Virus-host cell interactions and virus assembly

1. Assembly of icosahedral virus capsids - **Juliana Cortines**, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil
2. Innate immunity against poxviruses – **Daniel Mansur**, Federal University of Santa Catarina, Florianópolis, SC, Brazil (Chair)
3. Molecular mechanisms of human cytomegalovirus assembly – **Alberto Fraile Ramos**, INMETRO, Rio de Janeiro, RJ, Brazil
4. Cell interactions of human respiratory syncytial virus (HRSV) N, P and M proteins – **Armando Moraes Ventura**, University of São Paulo, São Paulo, SP, Brazil

Round Table 11 - Immunobiologicals - Room Ágata

Experimental animal models in virology

1. Experimental infection of *Callithrix penicillata* with dengue virus – **Pedro Fernando Vasconcelos**, Evandro Chagas Institute, Belém, PA, Brazil (Chair)
2. Experimental infection of *Mus musculus* with Rocio vírus – **Juliana Helena Chávez**, Federal University of Mato Grosso, Cuiabá, MT, Brazil
3. Experimental infection of *Macaca fascicularis* with human parvovirus B19 – **Marcelo Alves Pinto**, Oswaldo Cruz Foundation, Rio de Janeiro, RJ, Brazil

Round Table 12 – Helio Gelli Pereira Award Oral Presentations - Room Topázio

6:30 pm - 8:30 pm - Poster Session 2 and Visit to Exhibits

10:00 pm - Social mixer and dance

Wednesday, Oct. 01

8:00 am – 9:00 am - Mini Courses

Room Ágata

1. Introduction to viral replication - **Luciana Jesus da Costa**, Federal University of Rio de



XXV Congresso Brasileiro
de **Virologia**

IX Encontro de Virologia do Mercosul

28 de setembro
a
01 de outubro | 2014

Ribeirão Preto | Centro
de Convenções
São Paulo - Brasil | de Ribeirão Preto

Janeiro, Rio de Janeiro, RJ, Brazil

Room Turquesa

2. Proteomic applications in virology – Alessandra Vidotto, Medical School of São Jose do Rio Preto, São José do Rio Preto, SP, Brazil

Room Topázio

3. Molecular diagnosis in virology – Roberta Bronzoni, Federal University of Mato Grosso, Sinop, MT, Brazil, and Luciano Kleber de Souza Luna, University of São Paulo, Ribeirão Preto, SP, Brazil

Room Ônix

4. Viral phylogeny and sequence analysis – Camila Romano, University of São Paulo, São Paulo, SP, Brazil

9:00 am - 10:00 am - Conference 5 - Room Esmeralda

The cardiac innate response to viral infections

Barbara Sherry, North Carolina State University, Raleigh, NC, USA

10:00 am - 10:30 am - Coffee break and Visit to Exhibits

10:30 am – 12:30 pm - SBV Business meeting and election of new board of directors

12:30 pm - 2:00 pm - Lunch break and Visit to Exhibits

12:30 pm – 2:00 pm Talk show

This week in virology - Room Ônix

Vincent Racaniello, Columbia University, New York, NY, USA

2:00 pm – 3:00 pm – Conference 6 Room Esmeralda

Evolution of canine parvovirus - a need for new vaccines?

Dr. Uwe Truyen, Editor-in-chief of Veterinary Microbiology, Institute for Animal Hygiene, University of Leipzig, Leipzig, Germany

3:00 pm - 5:00 pm - Round Table 13 to 16

Round Table 13 - Veterinary Virology - Room Ônix

Antivirals for animal viruses

1. In vitro and in vivo inhibition of rabies virus by RNAi – **Paulo Eduardo Brandão**, University of São Paulo, São Paulo, SP, Brazil (Chair)

2. Control of ruminant morbillivirus replication by small interfering RNA – **Renata Servan de Almeida**, Agricultural Research for Development (CIRAD), Montpellier, France

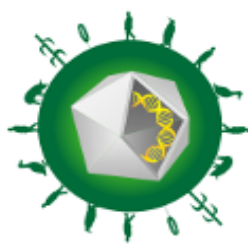
3. Antiherpes activity of Brazilian marine organisms - **Claudia Maria Oliveira Simões**, Federal University of Santa Catarina, Florianópolis, SC, Brazil

Round Table 14 - Plant and Invertebrate Virology - Room Ágata

Control of emerging plant viruses

1. Recent advances in the study of papaya sticky disease – **Patricia Fernandes**, Federal University of Espírito Santo, Vitória, ES, Brazil

2. Badnaviruses: Biology and management in tropical crops – **Andrew Geering**, University



XXV Congresso Brasileiro
de **Virologia**
IX Encontro de Virologia do Mercosul

28 de setembro
a
01 de outubro | 2014

Ribeirão Preto | Centro
de Convenções
São Paulo - Brasil | de Ribeirão Preto

of Queensland, Brisbane, Australia

3. Epidemiology and management of viruses transmitted by *Bemisia tabaci* in solanaceous crops – **Jorge Alberto Marques Rezende**, University of São Paulo, Piracicaba, SP, Brazil (Chair)

Round Table 15 – Immunobiologicals - Room Turquesa

Advances in biotechnology products with applications in virology

1. Parapoxviruses as vectors – **Diego Diel**, University of Illinois, Urbana-Champaign, USA
2. Expression of viral vaccines in plants – **Tatsuya Nagata**, National University of Brasília, Brasília, DF, Brazil (Chair)
3. Advances in biotechnology products with applications in virology - **Marcos Freire**, Bio-Manguinhos/Fiocruz, Rio de Janeiro, RJ, Brazil
4. Carbon nanotubes applied to point-of-care testing for immunoassay – **Rosa Amalia Fireman Dutra**, Federal University of Pernambuco, Recife, PE, Brazil

Round Table 16 – Human Virology - Room Topázio

Advances in HTLV research

1. Effects of HTLV-1 infection on human mesenchymal stromal cells - **Simone Kashima Haddad**, University of São Paulo, Ribeirão Preto, SP, Brazil (Chair)
2. Leukotrienes in HTLV-1-related neuroinflammatory diseases - **Lúcia Helena Faccioli**, University of São Paulo, Ribeirão Preto, SP, Brazil
3. HTLV-1 reverse genetics and search for an intracellular carrier of ORF-1 gene product – **Luiz Carlos Alcântara**, Gonçalo Moniz Research Center, Fiocruz, Salvador, BA, Brazil