



**XXVII** Congresso Brasileiro  
de Virologia  
XI Encontro de Virologia do Mercosul  
18 a 21 de setembro de 2016  
**PIRENÓPOLIS • GO**  
POUSADA DOS PIRENEUS RESORT  
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**EXECUTION**



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**GENERAL INFORMATION**

**REGISTRATION DESK**

September, 18<sup>th</sup> - 1:00 p.m. - 8:30 p.m.  
September, 19<sup>th</sup> - 8:30 a.m. - 8:00 p.m.  
September, 20<sup>th</sup> - 8:30 a.m. - 8:00 p.m.  
September, 21<sup>st</sup> - 7:30 a.m. - 1:00 p.m.

**NAME BADGE**

Name Badges will be required for access in all activities, including lunch.

**MEDIA DESK**

The media desk will be opened as scheduled for the secretary of the meeting. Data - files with presentations - must be delivered at the media desk at least 2 hours before the scheduled time for the presentation. Please note that personal computers will not be allowed in presentation room. Presentations will be copied and made available to members of SBV after the meeting at the institutional homepage unless not authorized by the speakers.

**CERTIFICATES**

Certificates of attendance will be available on line at <http://www.sbv.org.br/congresso/> 15 days after the end of the meeting.

**POSTER PRESENTATIONS**

The posters must be displayed from 10:00 a.m. until the end of the session, and then removed.

POSTER SESSION 1: MONDAY – 19 SEPTEMBER, 6:30 - 8:00 P.M.

- Human Virology
- Basic Virology
- Environmental Virology

POSTER SESSION 2: TUESDAY- 20 SEPTEMBER, 6:30 – 8:00 P.M.

- Immunobiologicals in Virology
- Plant and Invertebrate Virology
- Veterinary Virology

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## XXVII Brazilian Congress of Virology - Scientific Program

TIME	ACTIVITY
Sunday, September 18	<b>Round Table 1 - Enteric viruses / Ita e Alaor Room</b> <ul style="list-style-type: none"> <li>• <b>Adriana Luchs</b>, Instituto Adolfo Lutz, São Paulo, Brazil – “Epidemiology of noroviruses: challenges and developments”</li> <li>• <b>Alejandro Andrés Castello</b>, National University of Quilmes, Quilmes, Argentina – “Rotaviruses circulating in Argentina during the last years. Could massive vaccination in Brazil influence genotype frequencies and strain characteristics?”</li> <li>• <b>Mariela Martínez Gómez</b>, FIOCRUZ, Rio de Janeiro, Brazil – “Monitoring the genetic diversity of human Rotavirus A strains in Brazil after vaccine introduction”</li> <li>• <b>Fernando Rosado Spilki</b>, FEEVALE, Rio Grande do Sul, Brazil (Chair)</li> </ul>
	<b>Round Table 2 - Invertebrate virus diversity / Noemi Jaime Room</b> <ul style="list-style-type: none"> <li>• <b>Daniel Mendes Pereira Ardisson de Araújo</b>, UFSM, Rio Grande do Sul, Brazil – “Insect viruses in Brazil”</li> <li>• <b>Cintia Bittar Oliva</b>, UNESP, São Paulo, Brazil - “Culex flavivirus diversity”</li> <li>• <b>João Trindade Marques</b>, UFMG, Minas Gerais, Brazil - “Surveillance of insect viromes using virus-derived small RNAs”</li> <li>• <b>Bergmann Morais Ribeiro</b>, UnB, Distrito Federal, Brazil (Chair)</li> </ul>
	<b>Round Table 3 - RNA viruses cell biology / Principal Room</b> <ul style="list-style-type: none"> <li>• <b>Ronaldo da Silva Mohana Borges</b>, UFRJ, Rio de Janeiro, Brazil – “Unveiling the role of flavivirus NS1 protein on host cell regulation”</li> <li>• <b>Patricia Garcez</b>, UFRJ, Rio de Janeiro, Brazil – “Zika virus impairs brain development”</li> <li>• <b>Luis Lamberti Pinto da Silva</b>, USP, São Paulo, Brazil – “Mechanisms of Oropouche virus assembly in mammalian cells” (Chair)</li> </ul>
	<b>Round Table 4 - Emergent viruses in veterinary / Cavalhadas Room</b> <ul style="list-style-type: none"> <li>• <b>Leila Sabrina Ullmann</b>, UNESP, São Paulo, Brazil - “Exploring the virome of diseased horses”</li> <li>• <b>Eduardo Furtado Flores</b>, UFSM, Rio Grande do Sul, Brazil – “HoBi-like pestivirus infection”</li> <li>• <b>Ana Carolina Diniz Matos</b>, UFMG, Minas Gerais, Brazil – “Bluetongue: the emergence of clinical disease in Brazil”</li> <li>• <b>Zélia Inês Portela Lobato</b>, UFMG, Minas Gerais, Brazil (Chair)</li> </ul>
7:00 - 9:00 P.M.	<b>Opening Ceremony - CONFERENCE 1 / Principal Room</b> <ul style="list-style-type: none"> <li>• <b>Charles M. Rice</b>, The Rockefeller University, New York, United States – “Hepatitis C and beyond: Never a dull moment”</li> </ul>
9:00 - 11:00 P.M.	Cocktail reception and visit to exhibits / <b>Centro de Convenções Luciano Peixoto Hall</b>

TIME	ACTIVITY	
9:00 - 10:00 A.M.	<b>CONFERENCE 2 / Principal Room</b> <ul style="list-style-type: none"> <li>• <b>Pedro Fernando da Costa Vasconcelos</b>, Instituto Evandro Chagas, Pará, Brazil – “Zika virus in the Americas: Early epidemiological and genetic findings”</li> </ul>	
10:00 - 10:30 A.M.	Coffee break and visit to exhibits / <b>Centro de Convenções Luciano Peixoto Hall</b>	
Monday, September 19	<b>Round Table 5 - Viral diagnosis and treatment / Noemi Jaime Room</b> <ul style="list-style-type: none"> <li>• <b>Isabel Guedes Mello</b>, Butantan, São Paulo, Brazil – “Antivirals: mechanisms of action”</li> <li>• <b>Celso Francisco Hernandez Granato</b>, UNIFESP, São Paulo, Brazil – “The use of laboratory tests in diagnosis and monitoring of infected hepatitis virus types B and C patients”</li> <li>• <b>Menira Souza</b>, UFG, Goiás, Brazil – “Viral detection and molecular characterization”</li> <li>• <b>Paula Rahal</b>, UNESP, São Paulo, Brazil (Chair)</li> </ul>	
	10:30 - 12:00 A.M.	<b>Round Table 6 - Plant viruses vector interactions / Principal Room</b> <ul style="list-style-type: none"> <li>• <b>Renate Krause Sakate</b>, UNESP, São Paulo, Brazil - “Virus transmission by Brazilian native and invasive species of Bemisia tabaci”</li> <li>• <b>Jesús Navas-Castillo</b>, IHSM-UMA-CSIC, Algarrobo-Costa, Málaga, Spain – “Differential transmission of criniviruses and begomoviruses by whiteflies”</li> <li>• <b>William M. Wintermantel</b>, USDA, Salinas, United States - “Understanding the connection between gene expression in the whitefly and the biology of crinivirus transmission”</li> <li>• <b>Tatsuya Nagata</b>, UNB, Brasília, Brazil (Chair)</li> </ul>
		<b>Round Table 7 - Environmental virology / Ita e Alaor Room</b> <ul style="list-style-type: none"> <li>• <b>Ana Cláudia Franco</b>, UFRGS, Rio Grande do Sul, Brazil - “Giant viruses in environmental samples”</li> <li>• <b>Fernando R. Spilki</b>, FEEVALE, Rio Grande do Sul, Brazil – “In the name of Poseidon, what’s in Olympic waters?”</li> <li>• <b>Célia R. M. Barardi</b>, UFSC, Santa Catarina, Brazil – “New insights in Environmental Virology: approaches for infectivity and disinfection evaluation” (Chair)</li> </ul>

TIME	ACTIVITY
10:30 - 12:00 A.M.	<p><b>Round Table 8 - Virus cell interaction / Cavalhadas Room</b></p> <ul style="list-style-type: none"> <li>• <b>Daniele da Glória de Souza</b>, UFMG, Minas Gerais, Brazil – “Dengue virus requires the CC-chemokine receptor CCR5 for replication and infection development”</li> <li>• <b>Renato Santana de Aguiar</b>, UFRJ, Rio de Janeiro, Brazil – “Clinical Neuropathogenesis and Immuneactivation of arboviruses (Zika, Chikungunya and Dengue)”</li> <li>• <b>Luciana Jesus da Costa</b>, UFRJ, Rio de Janeiro, Brazil – “HIV-1 nef inhibits protease activity of viral particles” (Chair)</li> </ul>
12:00 - 1:00 P.M.	<p><b>Mini-course 1 / Noemi Jaime Room</b></p> <ul style="list-style-type: none"> <li>• <b>Fernando Melo</b>, UNB, Distrito Federal, Brazil - “Next generation sequencing technologies for viral metagenomic analyses”</li> </ul>
	<p><b>Mini-course 2 / Cavalhadas Room</b></p> <ul style="list-style-type: none"> <li>• <b>Antônio Augusto Fonseca Júnior</b>, LANAGRO, Minas Gerais, Brazil - “Viral phylogeny and sequence analysis”</li> </ul>
	<p><b>Mini-course 3 / Principal Room</b></p> <ul style="list-style-type: none"> <li>• <b>Vitor Bortolo de Rezende</b>, BD Biosciences - “Uses of flow cytometry in virology”</li> </ul>
	<p><b>Mini-course 4 / Ita e Alaor Room</b></p> <ul style="list-style-type: none"> <li>• <b>Luciana Jesus da Costa</b>, UFRJ, Rio de Janeiro, Brazil - “Viral replication mechanism”</li> </ul>
12:00 - 2:00 P.M.	Lunch break
2:00 - 3:30 P.M.	<p><b>Oral presentations:</b></p> <ul style="list-style-type: none"> <li>• Session 1 – <b>Human / Principal Room - Chair: Eurico de Arruda Neto</b></li> </ul> <p><b>30 - HEPATIC MIRNA PROFILE IN DENGUE HEMORRHAGIC FEVER AND ASSOCIATION WITH APOPTOSIS REGULATION, VASCULAR INJURY AND INFLAMATION</b> Oliveira, L.F.; Vianez, J.L.G.; Pagliari, C.; Carvalho, L.V.; Silveira, T.S.; Telles, A.L.; Cardoso, J.F.; Vasconcelos, J.M.; Moreira-Nunes, C.A.; Burbano, R.M.R.; Nunes, M.R.T.; Santos, E.J.M.</p> <p><b>179 - MUTATIONS PROFILE IN HIV TRANSCRIPTASE REVERSA AND PROTEASE GENES IN HIV/ HBV AND HIV/HCV COINFECTED PATIENTS</b> Grotto, R.M.T.; Cantão, N.M.; Fogaça, L.; Wolf, I.; Almeida, R.; Cruz, A. A.; Barbosa, A. N.; Silva, G. F.; Valente, G.T.; Pardini, M. I.M. C.; Grotto, R. M. T.</p> <p><b>207 - EFFICIENT PRODUCTION OF GP64 FREE HIV-1 VIRUS-LIKE PARTICLES (VLPS) USING BACULOVIRUS EXPRESSION SYSTEM</b> Chaves, L.C.S.; Ribeiro, B.M.; Blissard, G.W.</p> <p><b>234 - IN SITU EVIDENCE ON INFLUENZA VIRUS INFECTION OF LYMPHOID CELLS IN HUMAN TONSILLAR TISSUES</b> Castro, I.A.; Castro, I.A.; Martins Junior, R.B.; Jesus, B.L.S.; Pontelli, M.C.; Prates, M.C.; Silva, M.L.; Carenzi, L.R.; Tamashiro, E.; Anselmo-Lima, W.T.; Arruda, E.</p>
	<ul style="list-style-type: none"> <li>• Session 2 – <b>Veterinary / Noemi Jaime Room - CHAIRS: Marcos Bryan Heinemann and João Pessoa Araújo Junior</b></li> </ul> <p><b>9 - RECONSTRUCTION OF THE SPATIAL DISPERSION OF INFECTIOUS BRONCHITIS VIRUS: IBV FINDS ITS ROOTS</b> Saraiva, G L; Vidigal, P M P; Pereira, C G; Figueiredo, J F; Campo, A J; Fietto, J L R; Bressan, G C; Silva Júnior, A.; Almeida, M R.</p> <p><b>62 - SYSTEMIC AND MUCOSAL ANTIBODY RESPONSES INDUCED BY A VACCINE OF INACTIVATE AVIAN INFECTIOUS BRONCHITIS VIRUS (IBV) ENCAPSULATED IN CHITOSAN NANOPARTICLES</b> Lopes, P.D.; Okino, C.H.; Casagrande, V.M.; Pavani, C.; Fernando, F.S.; Tamanini, M.L.F.; Montassier, M.F.S.; Lopez, R.F.V.; Montassier, H.J.</p> <p><b>74 - GENOMIC CHARACTERIZATION OF A NOVEL HUMAN INFLUENZA A(H1N2) VARIANT DETECTED IN BRAZIL</b> RESENDE, P.C.; Born, P.S.; Matos, A.R.; Motta, F.C.; Caetano, B.C.; Debur, M.C.; Riediger, I.; Brown, D.; Siqueira, M.M.</p> <p><b>80 - GENETIC CHARACTERIZATION OF INFLUENZA VIRUSES CIRCULATING WITHIN BRAZILIAN SWINE BETWEEN 2009 AND 2016</b> Schaefer, R.; Gava, D.; Nelson, M.I.; Haach, V.; Ciacci-Zanella, J.R.; Cantão, M.E.</p> <p><b>85 - NEONATAL PIG MORTALITY ASSOCIATED WITH SENECAVIRUS A</b> Gava, D.; Lorenzetti, M.P.; Haach, V. Driemeier, D.; Joshi, L.R.; Mohr, K.A.; Diel, D.G.; Caron, L.; Morés, N.; Morés, M. A. Z.; Schaefer, R.</p> <p><b>143 - BRAZILIAN BATS AS CARRIERS OF VIRUSES WITH ZONOTIC POTENTIAL</b> Simas, P.V.M.; Barnabé, A.C.S.; Caserta, L.C.; Martini, M.C.; Dur&amp;Atilde;Es-Carvalho, R.; Fellippe, P.A.N.; Ferreira-Neto, D.L.; Beck, R.M.; Nascimento, G.M.; Jacomassa, F.A.F.; Moraes, A. P.; Miller, M.E.; Arns, C.W.</p>

TIME	ACTIVITY
Monday, September 19	<p><b>166 - EVALUATION OF SEROLOGICAL AND VIREMIC PROFILE FOR PORCINE CIRCOVIRUS TYPE 2 IN NATURALLY INFECTED PIGS FROM FARROW-TO-FINISH FARMS IN MINAS GERAIS STATE, BRAZIL</b> Dias, A.S.; Rehfeld, I.S.; Gallinari, G. C. F; Costa, A.G.; Guedes, M.I.M.C.; Lobato, Z.I.P</p> <ul style="list-style-type: none"> <li>• Session 3 – Basic / Ita e Alaor Room - Chair: Luis Lamberti Pinto da Silva</li> </ul>
	<p><b>75 - IDENTIFICATION OF CELL PROTEINS THAT INTERACT WITH HUMAN RESPIRATORY SYNCYTIAL VIRUS M2-1 PROTEIN</b> Araujo, CL; Eléouët, JF; Ventura, AM</p>
	<p><b>79 - TROPOMIOSIN INTERACTION WITH HUMAN RESPIRATORY SYNCYTIAL VIRUS MATRIX PROTEIN</b> Dias, TD; Oliveira, AP; Ogawa, JK; Eléouët, JF; Ventura, AM</p>
	<p><b>168 - EVALUATION OF APOPTOTIC MECHANISMS MEDIATED BY UNFOLDED PROTEIN RESPONSE PATHWAY IN JURKAT CELLS STIMULATED WITH HIV-1 TAT PROTEIN</b> Campestrini, J.; Costa-Junior, A. O.; Pinto, A. R.</p>
	<p><b>214 - RESPIRATORY SYNCYTIAL VIRUS MRNA TRANSCRIPTOME REVEALS SURPRISING PROFILES DURING ONE-STEP REPLICATION CYCLE</b> Jesus, B.L.S.; Cardoso, R.S.; Criado, M.F.; Souza, M.M.; Oliveira, A.S.; Prates, M.C.M.; Ventura, A.M.; Arruda, E.</p>
	<p><b>215 - OROPOUCHE VIRUS ASSEMBLY IN MAMMALIAN CELLS REQUIRES THE ACTIVITY OF HOST ESCRT PROTEINS</b> Barbosa, N. S.; Mendonca, L. L. R.; Criado, M.; Arruda, E.; Dasilva, L. L. P.</p>
	<ul style="list-style-type: none"> <li>• Session 4 – Plant and Invertebrates / Cavalhadas Room - Chairs: Alice Nagata and Tatsuya Nagata</li> </ul>
	<p><b>102 - MOLECULAR CHARACTERIZATION OF GRAPEVINE ENAMO-LIKE VIRUS, A NOVEL PUTATIVE MEMBER OF THE GENUS ENAMOVIRUS</b> Silva, J.M.F.; Fajardo, T.V.M.; Al Rwahnih, M.; Blawid, R.; Nagata, T.</p>
	<p><b>117 - IDENTIFICATION AND FUNCTIONAL ANALYSES OF THE COTTON BLUE DISEASE RESISTANCE LOCUS</b> Fausto, A.K.S.; Moura, M.O.; da Franca, T.S.. Romanel, E.; Vaslin, M.F.S.</p>
	<p><b>118 - DICER-LIKE PROFILE EXPRESSION DURING VIRAL INFECTION IN SUSCEPTIBLE AND RESISTANT COTTON</b> Moura, M.O.; Fausto, A.K.S.; da Franca, T.S.; Romanel, E.; Vaslin, M.F.S.</p>
<p><b>175 - ARRACACIA XANTHORRIZA (MANDIOQUINHA-SALSA): A RESERVOIR OF PLANT VIRUS</b> Orlíio, A. F.; Inoue-Nagata, A.K.; Nagata, T.; Madeira, N.R.; Resende, R.O.; Blawid, R.</p>	
<p><b>209 - THE COMPLETE GENOME SEQUENCE OF A NOVEL BETABACULOVIRUS ISOLATED FROM MOCIS SP. REVEALS AN ANCIENT GENOME EXPANSION AND A TENDENCY IN NOCTUID-INFECTING BETABACULOVIRUS</b> Ardisson-Araújo, D.M.P.; Melo, F.L.; Sosa-Gómez, D.R.; Ribeiro, B.M.</p>	
<p><b>244 - STUDY OF BEGOMOVIRUS DIVERSITY IN TOMATO PLANTS USING NEXT-GENERATION SEQUENCING</b> Rêgo, C.M.; Nakasu, E.Y.T.; Blawid, R.; Nagata, T.; Inoue-Nagata, A.K.</p>	
<p><b>3:30 - 4:00 P.M.</b> Coffee break and visit to exhibits / <b>Centro de Convenções Luciano Peixoto Hall</b></p>	
<p><b>4:00 - 5:00 P.M.</b> <b>CONFERENCE 3 / Principal Room</b></p>	
<p><b>5:00 – 6:30 P.M.</b></p> <ul style="list-style-type: none"> <li>• <b>Santiago F. Elena</b>, Instituto de Biología Molecular y Celular de Plantas, València, Spain - “Evolutionary and systems biology of RNA virus emergence”</li> </ul> <p><b>Round Table 9 - Update to arboviral diseases / Principal Room</b></p> <ul style="list-style-type: none"> <li>• <b>Mauricio Lacerda Nogueira</b>, FAMERP São Paulo, Brazil – “Lessons from zika virus infection in São Paulo state” (Chair)</li> <li>• <b>Paolo Marinho de Andrade Zanotto</b>, USP, São Paulo, Brazil – “A Zika virus-associated microcephaly case with background exposure to STORCH agents”</li> <li>• <b>Renato Santana de Aguiar</b>, UFRJ, Rio de Janeiro, Brazil – “Zika outbreak: more questions than answers”</li> </ul>	
<p><b>6:30 – 8:00 P.M.</b> <b>Poster Session 1 and Visit to Exhibits / Centro de Convenções Luciano Peixoto Hall</b></p> <ul style="list-style-type: none"> <li>• Human Virology;</li> <li>• Basic Virology;</li> <li>• Environmental Virology</li> </ul>	

TIME	ACTIVITY
9:00 – 10:30 A.M.	<b>Round Table 10 – Animal coronaviruses / Ita e Alaor Room</b> <ul style="list-style-type: none"> <li>• <b>Paulo Eduardo Brandão</b>, USP, São Paulo, Brazil – “Mutant spectrum and molecular markers in Feline Coronavirus”</li> <li>• <b>Luiz Gustavo Bentim Góes</b>, USP, São Paulo, Brazil – “Coronavirus in bats”</li> <li>• <b>Hélio Montassier</b>, UNESP, São Paulo, Brazil – “Molecular epidemiology and evolution of avian infectious bronchitis virus”</li> <li>• <b>Marcos Bryan</b>, USP, São Paulo, Brazil (Chair)</li> </ul>
	<b>Round Table 11 – Respiratory viruses - Noemi Jaime Room</b> <ul style="list-style-type: none"> <li>• <b>Edison Durigon</b>, USP, São Paulo, Brazil – “RSV mutations: implications for molecular diagnosis and resistance to neutralization”</li> <li>• <b>Nancy Bellei</b>, UNIFESP, São Paulo, Brazil – “Role of polyomavirus in severe respiratory disease in hospitalized patients”</li> <li>• <b>Eurico de Arruda Neto</b>, USP, São Paulo, Brazil – “Respiratory virus infection of lymphoid tissues”. (Chair)</li> </ul>
	<b>Round Table 12 – Dengue virus vaccine development - Principal Room</b> <ul style="list-style-type: none"> <li>• <b>Eric Plennevaux</b>, Sanofi-Pauster, Paris, France – “Global strategic program management head for Dengue virus”</li> <li>• <b>David McIntosh</b>, Takeda Vaccines Inc. – “Takeda’s Dengue Vaccine Candidate: Program Update”</li> <li>• <b>Flavio Guimarães Fonseca</b>, UFMG, Minas Gerais, Brazil (Chair)</li> </ul>
	<b>Round Table 13 – Plant virology and phytopathology / Cavalhadas Room</b> <ul style="list-style-type: none"> <li>• <b>Santiago F. Elena</b>, Instituto de Biología Molecular y Celular de Plantas, València, Spain - “Resistance to RNA virus based on the expression of amiRNAs: promises and disappointments”</li> <li>• <b>Maité Vaslin de Freitas Silva</b>, UFRJ, Rio de Janeiro, Brazil - “Identification and molecular characterization of the locus cbd associate to Cotton blue disease resistance”</li> <li>• <b>Francisco Murilo Zerbini</b>, UFV, Minas Gerais, Brazil – “Finding the needle(s) in the haystack: investigating within-host begomovirus populations with NGS”</li> <li>• <b>Renato de Oliveira Resende</b>, UNB, Distrito Federal, Brazil (Chair)</li> </ul>
10:30 - 11:00 A.M.	Coffee break and visit to exhibits / <b>Centro de Convenções Luciano Peixoto Hall</b>
11:00 - 12:00 A.M.	<b>CONFERENCE 4 / Principal Room</b> <ul style="list-style-type: none"> <li>• <b>Concepta Margaret McManus Pimentel</b>, Diretora de Relações Internacionais da CAPES - “The role of Capes for internacionalization of Brazilian Universities”</li> </ul>
12:00 - 1:00 P.M.	<b>Mini-course 1 / Noemi Jaime Room</b> <ul style="list-style-type: none"> <li>• <b>Fernando Melo</b>, UNB, Distrito Federal, Brazil - “Next generation sequencing technologies for viral metagenomic analyses”</li> </ul>
	<b>Mini-course 2 / Cavalhadas Room</b> <ul style="list-style-type: none"> <li>• <b>Antônio Augusto Fonseca Júnior</b>, LANAGRO, Minas Gerais, Brazil - “Viral phylogeny and sequence analysis”</li> </ul>
	<b>Mini-course 3 / Principal Room</b> <ul style="list-style-type: none"> <li>• <b>Vitor Bortolo de Rezende</b>, BD Biosciences - “Uses of flow cytometry in virology”</li> </ul>
	<b>Mini-course 4 / Ita e Alaor Room</b> <ul style="list-style-type: none"> <li>• <b>Luciana Jesus da Costa</b>, UFRJ, Rio de Janeiro, Brazil - “Viral replication mechanism”</li> </ul>
12:00 - 2:00 P.M.	Lunch break
2:00 - 3:30 P.M.	<b>Oral presentations:</b> <ul style="list-style-type: none"> <li>• Session 5 – Human / Principal Room - Chair: Eurico de Arruda Neto</li> </ul> <b>11 - INCREASED PRO-INFLAMMATORY CYTOKINES IN AMNIOTIC FLUID FROM ZIKA VIRUS ASSOCIATED MICROCEPHALY</b> Ornelas, A.M.M.; Pezzuto, P.; Silveira, P.P.; Melo, F.O.; Ferreira, T.A.; Oliveira-Szejnfeld, P.S.; Leal, J.I.; Amorim, M.M.R.; Cardoso, C.C.; Nixon, D.F.; Tanuri, A.; Melo, A.S.; Aguiar, R.S. <b>156 - ACTIVATION OF INTRINSIC COAGULATION PATHWAY AND LIPID METABOLISM IN DENGUE VIRUS PATHOGENESIS</b> Coelho, S.V.A.; Vellasco, L.; Marques J.R.E.T.A.; Scharfstein, J.; Arruda, L.B. <b>206 - IDENTIFICATION AND SELECTION OF DENGUE VIRUS SPECIFIC PEPTIDES FOR DIFFERENTIAL DIAGNOSTIC TESTS</b> Versiani, A.F.; Mendes, T.A.O.; Bartholomeu, D.C.; Nogueira, M.L.; Da Fonseca, F.G. <b>254 - SALIVA AS THE BIOLOGICAL SAMPLE OF CHOICE FOR THE MOLECULAR DIAGNOSIS OF ZIKA</b> Monteiro, D.C.S.; Mejía, M.C.C.; Abdalla, L.F.; Santos, J.H.A.; Almeida, T.P.A.; Corado, A.L.G.; Souza, V.C.; Nascimento, V.A.; Naveca, F.G. <b>256 - ETIOLOGY OF THE ACUTE FEBRILE ILLNESS IN THE AMAZON STATE BRAZIL, DURING THE EMERGENCE OF ZIKA VIRUS</b> Nascimento, V.A.; Monteiro, D.C.S.; Silva, M.S.; Souza, V.C.; Corado, A.L.G.; Naveca, F.G.

TIME	ACTIVITY	
2:00 - 3:30 P.M.	<p><b>258 - SOROPREVALENCE DENGUE IGG IN PATIENTS IN A PROSPECTIVE COHORT STUDY OF SÃO JOSÉ DO RIO PRETO</b> Silva, R.A.; Silva, G.C.D.; Zini, N.; Kanazawa, T.; Estofolete, C.F.; Watanabe, A.S.A.; Terzian, A.C.B.; Nogueira, M.L.</p> <ul style="list-style-type: none"> <li>• Session 6 – <b>Environmental / Ita e Alaor Room - Chair: Célia R. M. Barardi</b></li> </ul> <p><b>14 CORROSION AND BIOFILM REDUCED BY ECOPHAGES IN A PILOT ANAEROBIC SYSTEM</b> Dias, R.S.; Oliveira, M.D.; Silva, J.D.; Bicalho, K.M.; Sousa, M.P.; Santos, V.V.C.M.; Silva, E.D.; Akamine, R.N.; Silva, C.C.; de Paula, S.O.</p> <p><b>49 - ENTERIC PATHOGENS SURVIVAL, PERCOLATION AND LEACHING IN BIOFERTILIZED SOILS USING SWINE DIGESTATE</b> Fongaro, G.; García-González, M. C.; Hernández, M.; Kunz, A.; Barardi, C. R. M.; Rodríguez-Lázaro, D.</p> <p><b>54 - ROTAVIRUS AND OTHER HUMAN ENTERIC VIRUSES IN GASTROPODS</b> Gularte, J.S. Staggemeier, R. Demoliner, M. Heck, T.M.S Heldt, F.H. Ritzel, R.G.F. Henzel, A. Spilki, F.R.</p> <p><b>88 - DETECTION AND MOLECULAR CHARACTERIZATION OF GEMCIRCULARVIRUS FROM ENVIRONMENTAL SAMPLES IN BRAZIL</b> Assis, M.R.S.; Vieira, C.B.; Fioretti, J.M.; Rocha, M.S.; Almeida, P.N.; Miagostovich, M. P.; Fumian, T. M.</p> <p><b>177 - ADENOVIRUS INVESTIGATION BY MOLECULAR ANALISYS IN PUBLIC WATER SUPPLY NETWORK</b> Ferreira, C.S.; Sa-Oliveira, J.C; Resque, R.L; Ferreira, C.L.; Silva, E.S.; Muller, E.C.A.</p> <p><b>229 - CONSTRUCTED WETLANDS AS AN ALTERNATIVE SYSTEM TO REMOVE ENTERIC VIRUSES FROM WASTEWATER</b> Moresco, V. ; Magri, M.E.; Sezerino, P.H.; Barardi, C.R.M.</p> <p><b>265 - VIRAL STUDY IN UNTREATED AND TREATED SEWAGE WATER</b> Moriya, N.M.N.; Blawid, R.; Silva, J.M.F.; Batista, L.F.; Nagata, T.</p> <ul style="list-style-type: none"> <li>• Session 7 – <b>Basic / Noemi Jaime Room - Chair: Luciana Jesus da Costa</b></li> </ul> <p><b>26 - THE ASIAN-AMERICAN VARIANT OF HUMAN PAPILLOMAVIRUS TYPE 16 EXHIBITS HIGHER ACTIVATION OF MAPK AND PI3K/AKT SIGNALING PATHWAYS, TRANSFORMATION, MIGRATION AND INVASION OF PRIMARY HUMAN KERATINOCYTES</b> Hochmann, J.; Sobrinho, J.S.; Villa, L.L.; Sichero, L.</p> <p><b>174 - ACTIVATION AND DEATH PATHWAYS INDUCED BY DENGUE VIRUS IN INFECTED AND BYSTANDER ENDOTHELIAL CELLS</b> Papa, M.P.; Slongo, J.; Arruda, L.B.</p> <p><b>192 - SCREENING TESTS TO EVALUATE THE EFFECTIVENESS AND TOXICITY OF TEN ANTIVIRAL DRUG CANDIDATES DEVELOPED BY BIOISOTERISM</b> Fonseca, V.W.P.; Menegatti, R.; Costa, L.J.</p> <p><b>205 - THE NON-GLYCOSILATED HRSV PROTEINS M AND N ARE ADDRESSED TO THE VIRAL ASSEMBLY SITE THROUGH THE SECRETORY PATHWAY</b> Cardoso, R.S.; Jesus, B.L.S.; Carvalho, A.N.; Criado, M.; Viana, R.M.M.; Milani, E.R.; Viana, R.M.M.; Prates, M.; Rosales, R.; Ventura, A.M.; Silva, L.L.P.; Arruda, E.</p> <p><b>213 - HUMAN TONSIL EXPLANTS SUPPORT RHINOVIRUS INFECTION EX VIVO</b> Martins Junior, R.B; Gagliardi, T.B; Criado, M.F; Cardoso, R.S; Jesus, B.L; Silva, M.L.; Carezzi, L.R; Tamashiro, E.; Valera, F; Lima, W; Arruda, E.</p> <p><b>243 - DELETION OF THE M SEGMENT NON STRUCTURAL PROTEIN (NSm) OF OROPOUCHE VIRUS AFFECTS VIRUS ASSEMBLY AND THE ARCHITECTURE OF VIRAL FACTORIES</b> Cardoso, R.S.; Barbosa, N.S.; Acrani, G.O.; Da Silva, L.L.P.; Arruda, E.</p> <ul style="list-style-type: none"> <li>• Session 8 – <b>Plant and invertebrates / Cavalhadas Room - Chair: Bergmann Ribeiro</b></li> </ul> <p><b>6 - TRANSLATIONALLY CONTROLLED TUMOR PROTEIN IS NECESSARY FOR AN EFFICIENT POTYVIRUS REPLICATION</b> Bruckner, F. P; Laliberté, J. F; Alfenas-Zerbini, P.</p> <p><b>28 - VIROME IN ORNAMENTAL PLANTS FROM DISTRITO FEDERAL, BRAZIL</b> Brant, P.M.; Nagata, T.; Pereira-Carvalho, R.C.</p> <p><b>72 - SEQUENCING OF THE COTTON ANTHOCYANOSIS VIRUS BY SMALL RNA DEEP SEQUENCING AND ITS SIVRNAS PROFILE IN COTTON</b> Santos, R.O.; Fausto, A.K.S.; Andrade, R.; da Franca, T.S.; Giband, M.; Vaslin, M.F.S.</p> <p><b>99 - dsRNA DEEP SEQUENCING REVEALS FIVE VIRAL SPECIES IN COMMON BEANS</b> Alves-Freitas, D.M.T.; Melo, F.L.; Faria, J.C.; Ribeiro, S.G.</p>	
	3:30 - 4:00 P.M.	Coffee break and visit to exhibits / <b>Centro de Convenções Luciano Peixoto Hall</b>
	3:30 - 5:00 P.M.	<p><b>CONFERENCE 5 - Microcephaly and Zika Virus / Principal Room</b></p> <ul style="list-style-type: none"> <li>• <b>Paulo Zanutto</b>, USP, São Paulo, Brazil – “Sequencing of Zikavirus from fetuses with microcephaly in Brazil</li> </ul>

	TIME	ACTIVITY
Tuesday, September 20	5:00 - 6:30 P.M.	<b>Helio Gelli Pereira Award Oral Presentations / Principal Room</b> <ul style="list-style-type: none"> <li>Chair: <b>Maurício Lacerda Nogueira</b> <ul style="list-style-type: none"> <li>Session 9 – <b>Human Virology / Noemi Jaime Room - Chair: Paula Rahal</b></li> </ul> </li> </ul>
		<b>2 - DETECTION OF THE EMERGING ROTAVIRUS G12P[8] GENOTYPE AT HIGH FREQUENCY IN BRAZIL IN 2014: SUCCESSIVE REPLACEMENT OF PREDOMINANT STRAINS</b> Luchs, A.; Cilli, A.; Morillo, S.G.; Gregorio, D.S.; Souza, K.A.F.; Vieira, H.R.; Fernandes, A.M.; Carmona, R.C.C.; Timenetsky, M.C.S.T. <b>35 - PREVALENCE AND VIROLOGICAL CHARACTERISTICS OF HEPATITIS B VIRUS INFECTION AMONG MEN WHO HAVE SEX WITH MEN IN CENTRAL BRAZIL: A RESPONDENT-DRIVEN SAMPLING</b> Oliveira, M.P.; Silva, A.M.C.; Andrade, A.A.; Santana, E.B.R.; Freitas, N.R.; Matos, M.A.D.; Lopes, C.L.R.; Spitz, N.; Araujo, N.M.; Martins, R.M.B. <b>41 - SAPOVIRUS IN CHILDREN WITH ACUTE GASTROENTERITIS ATTENDED AT HOSPITAL IN GOIÂNIA, GOIÁS</b> Silva, T.N.; Dábilla, N.A.S.; Fiaccadori, F.S.; Cardoso, D.D.P.; Sousa, T.T.; Almeida, T.N.V.; Leite, R.A.; Souza, M. <b>157 - SEROLOGICAL EVIDENCE OF CIRCULATION OF ALPHAVIRUS (VENEZUELAN EQUINE ENCEPHALITIS VIRUS AND UNA VIRUS) IN PARAGUAYAN POPULATION (2012-2013)</b> Cardozo, F.M.; Konigheim, B.; Albrieu-Llinás, G.; Rivarola, M.E.; Aguilar, J.; Rojas, A.; Páez, M.; Guillén, Y.; Diaz, L.A.; Vallejos, M.A.; Herebia, L.; Recalde, M.L.; Contigiani, M.S.; Mendoza, L.P. <b>212 - HIGH RATES OF DETECTION OF HUMAN RHINOVIRUS AND LACK OF ADENOVIRUS AND BOCAVIRUS SHEDDING IN ASYMPTOMATIC PATIENTS POST TONSILLECTOMY</b> Martins Junior, R.B.; Prates, M.C.M.; Biasoli, B.; Rocha, L.P.; ARAGON, D.C.; Silva, M.L.; Tamashiro, E.; Valera, F.; Lima, W.; Arruda, E.
	6:30 - 8:00 P.M.	<b>Technical lecture / Cavalhadas Room</b> <ul style="list-style-type: none"> <li><b>André Cardoso</b>, BD Biosciences – “Flow cytometry innovation in the service of virology”</li> </ul>
		<b>Poster Session 2 and Visit to Exhibits / Centro de Convenções Luciano Peixoto Hall</b> <ul style="list-style-type: none"> <li>Immunobiologicals Virology;</li> <li>Plant and Invertebrate Virology;</li> <li>Veterinary Virology</li> </ul>

	TIME	ACTIVITY
Wednesday, September 21	8:00 - 9:00 A.M.	<b>CONFERENCE 6 / Principal Room</b> <ul style="list-style-type: none"> <li><b>Claudio L. Afonso</b>, USDA, Georgia, United States – “Exotic and emerging avian viral diseases”</li> </ul>
	9:00 - 9:30 A.M.	Coffee break and visit to exhibits / <b>Centro de Convenções Luciano Peixoto Hall</b>
	9:30 - 12:00 A.M.	SBV Business Meeting / <b>Principal Room</b>
	12:00 - 1:00 P.M.	<b>Mini-course 1 / Noemi Jaime Room</b> <ul style="list-style-type: none"> <li><b>Fernando Melo</b>, UNB, Distrito Federal, Brazil - “Next generation sequencing technologies for viral metagenomic analyses”</li> </ul>
		<b>Mini-course 2 / Cavalhadas Room</b> <ul style="list-style-type: none"> <li><b>Antônio Augusto Fonseca Júnior</b>, LANAGRO, Minas Gerais, Brazil - “Viral phylogeny and sequence analysis”</li> </ul>
<b>Mini-course 3 / Principal Room</b> <ul style="list-style-type: none"> <li><b>Vitor Bortolo de Rezende</b>, BD Biosciences - “Uses of flow cytometry in virology”</li> </ul>		
<b>Mini-course 4 / Ita e Alaor Room</b> <ul style="list-style-type: none"> <li><b>Luciana Jesus da Costa</b>, UFRJ, Rio de Janeiro, Brazil - “Viral replication mechanism”</li> </ul>		

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