

**2 a 5 out 2024**

**35° Congresso Brasileiro  
de Virologia**

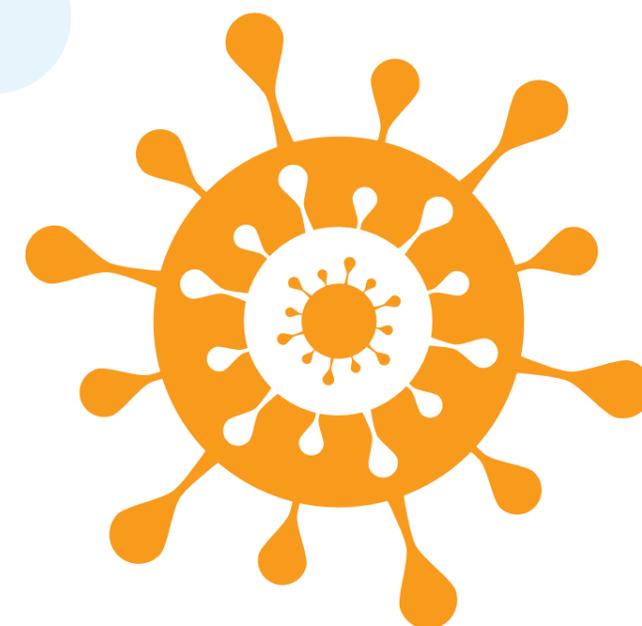
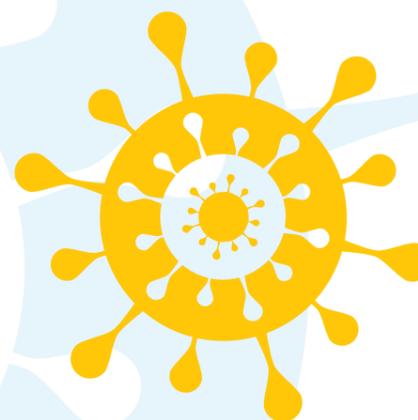
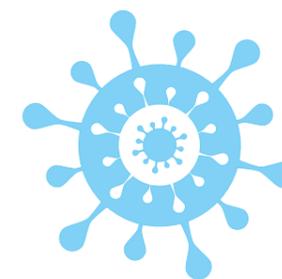
**19° Encontro de Virologia  
do Mercosul**

Rafain Palace Hotel and Convention  
Foz do Iguaçu - PR





Welcome!



## Brazil room

**14h00 - 14h30**  
**Opening Session**

**14h30 - 15h30**  
**Oral presentation 1**  
**CLINICAL VIROLOGY**  
**AND VIRAL PATHOGENESIS**  
Chair: Maitê Vaslin de Freitas Silva - UFRJ, RJ

**14h30 - 14h40**  
**CO.01**  
**UNRAVELING THE NEUROTROPIC**  
**POTENTIAL OF OROPOUCHE VIRUS**  
**IN THE ADULT HUMAN BRAIN**  
Presenter: Glaucia Maria de Almeida - FMRP/USP

**14h40 - 14h50**  
**CO.02**  
**MEASLES VIRUS MUTATES**  
**DURING IN VITRO INFECTION**  
**OF HUMAN NEURONS**  
Presenter: Debora Santos - USP

**14h50 - 15h00**  
**CO.03**  
**SARS-COV-2 GENOMIC VARIANTS**  
**AND THEIR RELATIONSHIP WITH**  
**THE EXPRESSIONAL AND GENOMIC**  
**PROFILE OF ANGIOTENSIN**  
**CONVERTING ENZYME 2 (ACE2)**  
**AND TRANSMEMBRANE SERINE**  
**PROTEASE 2 (TMPRSS2)**

Presenter: Henrique Borges da Silva Grisard - UFSC

**15h00 - 15h10**  
**CO.04**  
**DIFFERENTIAL BST2/THETERIN**  
**DOWNMODULATION BY SARS-**  
**CoV/2 SPIKE AND ORF7a PROTEINS**  
Presenter: Julys da Fonseca Palmeira - UNB

**15h10 - 15h20**  
**CO.05**  
**DNA METHYLATION ANALYSIS IN**  
**BRAINS AFFECTED BY CONGENITAL**  
**ZIKA VIRUS INFECTION**  
Presenter: Rafael Ferreira Lima - UFRJ

**15h30 - 16h00** Coffee Break

**16h00 - 17h30**  
**Round table 1**  
**HOST-VIRUS INTERACTION**  
**AND IMMUNOLOGY**  
Chair: Rafael Elias Marques Pereira Silva - CNPEM, SP  
Chair: Paulo Boratto - CNPEM, SP

**16h00 - 16h25**  
**One Capsid, Two Viruses and**  
**a Very Unusual Tale**  
Patrícia Machado Bueno Fernandes - UFES, ES

**16h25 - 16h50**  
**Viral infections and antiviral**  
**defenses in the Chagas disease**  
**insect vector Rhodnius prolixus**  
Attilio Pane - UFRJ, RJ

**16h50 - 17h15**  
**Unraveling plant-multitrophic**  
**interactions in nature**  
Márcio de Castro Silva Filho - ESALQ-USP, SP

**17h15 - 17h30**  
**Q&A**

**17h30 - 18h30**  
**Conference 1**  
**PUBLIC HEALTH IMPACT**  
**OF INFECTIONS AND TUMORS**  
**CAUSED BY HPV**

Chair: Maurício Lacerda Nogueira - FAMERP, SP

Chair: Luisa Lina Villa - Faculdade de Medicina da USP, SP

**19h00 - 20h30**  
**Opening Cocktail**

## Argentina room

**14h30 - 15h30**  
**Oral presentation 2**  
**HOST VIRAL INTERACTIONS**  
**AND IMMUNOLOGY**  
**(MIXED VIRUSES AND THEMES)**  
Chair: Eric Roberto Guimarães Rocha Aguiar - UESC, BA  
Chair: Sabrina Ferreira de Santana - UESC, BA

**14h30 - 14h40**  
**CO.06**  
**ANTIOXIDANT DEFENSE**  
**MECHANISMS MODULATION IN**  
**THE SOYBEAN CATERPILLAR,**  
**ANTICARSIA GEMMATALIS DURING**  
**BACULOVIRUS INFECTION**  
Presenter: Beatriz Campos Araújo - UnB

**14h40 - 14h50**  
**CO.07**  
**SPIROPLASMA SHOWS A**  
**WOLBACHIA-LIKE EFFECT IN**  
**HAMPERING VIRUS REPLICATION**  
**IN SPIDER MITE**

Presenter: Sabrina Ferreira de Santana - Uesc

**14h50 - 15h00**  
**CO.08**  
**MYCOVIRUSES INHABITING THE**  
**FUNGAL CULTIVAR OF LEAF-CUTTER**  
**ANTS ELICIT DEFENSIVE RNAI**  
**IMMUNE RESPONSES IN THEIR**  
**FUNGAL HOST**

Presenter: Sabrina Ferreira de Santana - Uesc

**15h00 - 15h10**  
**CO.09**  
**INOVIRUS ALTERS**  
**THE EXTRACELLULAR**  
**VESICLE PRODUCTION**  
**PROFILE OF RALSTONIA**  
**PSEUDOSOLANACEARUM,**  
**AFFECTING THE PLANT**  
**IMMUNE RESPONSE**

Presenter: Rafael Reis de Rezende - UFV

**15h10 - 15h20**  
**CO.10**  
**CHARACTERIZATION OF A CELLULAR**  
**COMMUNICATION MECHANISM**  
**IN ACANTHAMOEBA SPECIES IN**  
**RESPONSE TO INFECTION BY THE**  
**GIANT TUPANVIRUS**  
Presenter: Paulo Victor de Miranda Boratto - CNPEM

**15h30 - 16h00** Coffee Break

**16h00 - 17h30**  
**Round table 2**  
**ECOLOGY, EVOLUTION,**  
**AND BIODIVERSITY**  
Chair: Caroline Rigotto - Universidade Feevale, RS  
Chair: Livia Sacchetto - FAMERP, SP

**16h00 - 16h25**  
**Arbovirus in Paraguay. Research**  
**and contributions from academia**  
Alejandra María Rojas Segovia - Instituto de Investigaciones en Ciencias de la Salud, Universidad Nacional de Asunción (IICS-UNA), PAR 

**16h25 - 16h50**  
**The diversity of giant viruses**  
**in Brazilian biomes**  
Jonatas Abrahão - UFMG, MG

**16h50 - 17h15**  
**Zoonotic transmission of novel**  
**Influenza A variant (H1N1, H1N2**  
**and H3N2) viruses detected in**  
**Brazil during 2020 to 202**  
Paola Resende - Fiocruz- RJ, RJ

**17h15 - 17h30**  
**Q&A**

**19h00 - 20h30**  
**Opening Cocktail**

## Paraguay room

**14h30 - 15h30**  
**Oral presentation 3**  
**HOST VIRAL INTERACTIONS AND**  
**IMMUNOLOGY (ARBOVIROSES)**  
Chair: Betânia Paiva Drumond - UFMG, MG

**14h30 - 14h40**  
**CO.11**  
**BOTH AGONIST AND**  
**ANTAGONIST OF DOPAMINE**  
**D2-LIKE RECEPTORS INHIBIT**  
**CHIKUNGUNYA VIRUS INFECTION**  
**IN NEUROBLASTOMA CELLS**  
Presenter: Livia Graça Pozzi - UFRJ

**14h40 - 14h50**  
**CO.12**  
**IMPACTS OF OROPOUCHE VIRUS**  
**INFECTION OF TROPHOBLAST**  
**CELLS ON HOST AND VIRAL**  
**MICRORNA REGULATION**  
Presenter: Juliano De Paula Souza - FMRP/USP

**14h50 - 15h00**  
**CO.13**  
**KEY MECHANISMS OF**  
**DENGUE VIRUS-INDUCED**  
**THROMBOCYTOPENIA:**  
**MEGAKARYOCYTE CELL DEATH**  
**AND LEUKOCYTE-PLATELET**  
**INTERACTIONS**

Presenter: Viviane Lima Batista - UFMG

**15h00 - 15h10**  
**CO.14**  
**AUTOPHAGIC PATHWAY IS**  
**TRIGGERED BY OROPOUCHE VIRUS**  
**INFECTION AND NECESSARY FOR**  
**EFFICIENT VIRUS PRODUCTION**  
Presenter: Kristel Irma Gutierrez Manchay - USP

**15h10 - 15h20**  
**CO.15**  
**PROSPECTION AND IDENTIFICATION**  
**OF NEW ARBOVIRUSES:**  
**THE CHARACTERIZATION OF**  
**PIRAHY VIRUS (PIRAV), A NEW**  
**AND POTENTIALLY EMERGENT**  
**ALPHAVIRUS**  
Presenter: Claudia Nunes Duarte dos Santos - ICC/Fiocruz PR



## Brazil room

09h00 - 10h30

### Poster Session 1

PT.001 - PT.022  
PT.024 - PT.053  
PT.107 - PT.206

10h30 - 11h00 Coffee Break

11h00 - 12h00

### Round table 3

VIRUS BASED TECHNOLOGY,  
ANTIVIRAL THERAPY, VACCINE

Chair: Danielle Bruna Leal Durigon -  
IIEP-HIAE, SP

11h00 - 11h25

### The development of new vaccines against poliomyelitis

Nicola Stonehouse - University  
of Leeds, GBR 

11h25 - 11h50

### COVID-19 vaccines: past, present and future

Jaime Henrique Amorim - UFOB, BA

11h50 - 12h00

### Q&A

12h00 - 13h00

### Technical Conference 1 - Illumina INOVAÇÕES ILLUMINA PARA GENÔMICA VIRAL

Leandro Alves, SP

13h00 - 14h00 Lunch

14h00 - 15h30

### Round table 4

CLINICAL VIROLOGY AND VIRAL  
PATHOGENESIS

Chair: Helena Beatriz De Carvalho

Chair: Ruthner Batista - Instituto  
Pasteur, SP

14h00 - 14h25

### The Ethnographic Epidemiology of HTLV among the Original Populations of the Amazon Region of Brazil.

Ricardo Ishak - Universidade Federal

do Pará, UFPA, PA

14h25 - 14h50

### Impact, Epidemiology, and Genetic Diversity of Rotavirus and Norovirus in Brazil Pre- and Post-COVID-19 Pandemic

Túlio Machado Fumian - Fiocruz- RJ, RJ

14h50 - 15h15

### Oropouche fever in the Amazon Region - Clinical and epidemiological aspects

Maria Paula Gomes Mourão - FMT-  
HVD, AM

15h15 - 15h30

### Q&A

15h30 - 16h30

### Conference 2

#### A Tale of Two Proteins: Hepatitis C virus NS5A and Chikungunya virus NSP3

Chair: Renato Santana Aguiar -  
UFMG, MG

Mark Harris - University of Leeds,  
GBR 

16h30 - 16h50 Coffee Break

16h50 - 18h20

### Hélio Gelli Pereira

#### AWARD SESSION

Chair: Jan Felix Drexler, GER 

Chair: Tatiana Domitrovic - UFRJ, RJ

### HGP.1

RESISTANCE IN RICE  
GENOTYPES AGAINST RICE STRIPE  
NECROSIS VIRUS AND ITS VECTOR:  
DEVELOPMENT OF A SEVERITY  
SCALE AND RT-QPCR ASSAY  
FOR SCREENING

Presenter: Samara Campos do  
Nascimento - UDESC

### HGP.2

REEMERGENCE OF OROPOUCHE  
VIRUS BETWEEN 2023 AND 2024  
IN BRAZIL: A VIROLOGICAL STUDY

Presenter: Gabriel Caetano  
Scachetti - UNICAMP

### HGP.3

RAB27A GTPase AND ITS EFFECTOR  
MYOSIN VA ARE HOST FACTORS  
REQUIRED FOR EFFICIENT  
OROPOUCHE VIRUS CELL EGRESS

Presenter: Juan Oswaldo Concha  
Casaverde - USP

### HGP.4

EVALUATING NEUTRALIZING  
ANTIBODY RESPONSES POST-  
IMMUNIZATION WITH A COVID-19  
BIVALENT VACCINE: IMPLICATIONS  
FOR FUTURE VACCINE DESIGN

Presenter: Milena Silva  
Souza, Uesc

### HGP.5

MOLECULAR SCREENING  
OF SELECTED VIRUSES IN  
VULNERABLE CARNIVORANS  
IN MATO GROSSO  
DO SUL, BRAZIL

Presenter: Nathana Beatriz  
Martins - UFU

### HGP.6

MORTALITY IN SEA LIONS  
IS ASSOCIATED WITH THE  
INTRODUCTION OF THE H5N1  
CLADE 4B VIRUS IN BRAZIL,  
OCTOBER 2023: WHOLE  
GENOME SEQUENCING AND  
PHYLOGENETIC ANALYSIS

Presenter: Laura Morais Nascimento  
Silva - USP

18h30 -20h00

### Poster Session 2

PT.054 - PT.106

PT.207 - PT.305

PT.373

PT.381

PT.420

## Argentina room

09h00 - 10h30

### Poster Session 1

10h30 - 11h00 Coffee Break

12h00 - 13h00

### Technical Conference 2 - IBMP

Chair: Amanda Haisi - Unesp, SP

13h00 - 14h00 Lunch

14h00 - 15h30

### Round table 5

HOST-VIRUS INTERACTION  
AND IMMUNOLOGY

Chair: Shannan Rossi, USA 

14h00 - 14h25

### Soil-borne wheat mosaic disease in Brazil: characterization, diagnostic tools, plant-virus interaction and management

Fabio Nascimento da Silva -  
UDESC, SC

14h25 - 14h50

### Insights into the 2018 Yellow Fever Outbreak in Brazil: Virus Characterization and Comparative Analysis of Neutralization Assays with Wild-Type and Vaccine 17DD Strains

Pedro Augusto Alves -  
Fiocruz-BH, MG

14h50 - 15h15

### Inflammasome activation in response to pulmonary viral infections: to the good or to the devil

Dario Simões Zamboni -  
FMRP-USP, SP

15h15 - 15h30

### Q&A

16h30 - 16h50 Coffee Break

16h50 - 18h20

### Round table 6

VIRAL EPIDEMIOLOGY  
AND ONE HEALTH

Chair: Anderson Brito -

Instituto Todos pela Saúde

Chair: Ana Gabriela Stofella -

UFMG, MG

16h50 - 17h15

### What do we learn with the COVID-19 pandemic?

Amílcar Tanuri - UFRJ, RJ

17h15 - 17h40

### Challenges and global trends in combating of enteric hepatitis viruses

Gislaine Fongaro - UFSC, SC

17h40 - 18h05

### The Syrian hamster Mesocricetus auratus works as an animal model for preclinical efficacy testing of antiviral drugs, immunobiological and surveillance of new variants of SARS-CoV-2

Marcelo Alves Pinto - Fiocruz- RJ, RJ

18h05 - 18h20

### Q&A

18h30 - 20h00

### Poster Session 2

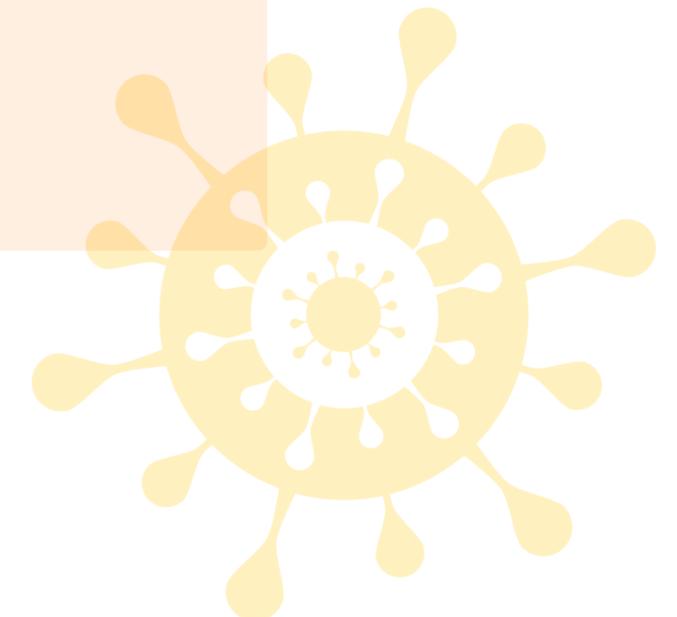
PT.054 - PT.106

PT.207 - PT.305

PT.373

PT.381

PT.420



## Brazil room

09h00 - 12h00

**Group Discussion 1**  
Open to CBV attendees  
REUNIÃO INCT-POX

Chair: Erna Geessien Kroon -  
Universidade Federal de  
Minas Gerais, MG

12h00 - 13h00

**Technical Conference 3**  
PROMEGA SOLUTIONS:  
ESSENTIAL TOOLS FOR  
VIROLOGY RESEARCH

Patricia Alves Morking, PR

13h00 - 14h00

**Group Discussion 2**  
Open to CBV attendees  
COLEÇÃO DE VÍRUS DO  
BIOBANCO DA BIODIVERSIDADE  
E SAÚDE DA FIOCRUZ

Chair: José Luiz Proença Modena -  
UNICAMP, SP  
Manuela da Silva  
Carlos Roberto Sobrinho  
do Nascimento

14h00 - 15h00

**Conference 3**  
RABIES: FROM BASIC RESEARCH  
IN PARIS TO FIELD REALITY  
IN CONAKRY

Chair: Marcelo de Lima - UFPEL, RS  
Noël Tordo - Institut Pasteur  
de Guinée, GUI

15h00 - 16h30

**Round table 7**  
VIRUS BASED TECHNOLOGY,  
ANTIVIRAL THERAPY, VACCINES

Chair: Nikos Vasilakis, USA

15h00 - 15h25

**Human adenoviruses: research  
opportunities and challenges  
in a 70 year old field**

Adriana Kajon - Lovelace Biomedical  
Research Institute, USA

15h25 - 15h50

**Developing a novel Dengue vaccine:  
driving on a winding road**

Esper Kallas - Instituto Butantan/  
FM-USP, SP

15h50 - 16h15

**Thirty years of recombinant  
measles: vectored vaccine successes,  
failures and future?**

Paul Duprex - University of  
Pittsburgh, USA

16h15 - 16h30

**Q&A**

16h30 - 16h50 Coffee Break

16h50 - 17h50

**Conference 4**  
DIAGNOSIS, UNDERSTANDING  
AND CONTROL OF PLANT VIRUSES -  
A FOCUS ON POTYVIRUSES

Chair: Maité Vaslin de Freitas Silva -  
UFRJ, RJ

Aiming Wang - Agriculture and Agri  
food, CAN

17h50 - 19h30

**Poster Session 3**

PT.306 - PT.372

PT.374 - PT.380

PT.382 - PT.419

PT.421 - PT.459

21h00 - 00h00

**No-host social activity**

(by adhesion)

Local: KIUN CERVEJARIA

Address: Av. Gramado, nº 3190

## Argentina room

08h00 - 12h00

**Divulga-Micro - ASM**

12h00 - 13h00 Lunch

13h00 - 14h00

**Group Discussion 3**  
Reunião INCT-One

Chair: Fernando Rosado  
Spilki - Feevale, RS

15h00 - 16h30

**Round table 8**

**HOST VIRUS INTERACTION**

Chair: Renato Santana  
Aguiar - UFMG, MG

15h00 - 15h25

**Mechanisms associated to pain  
induced by chikungunya virus**

Danielle da Gloria de Souza -  
UFMG, MG

15h25 - 15h50

**Transforming Foes into Friends:  
The Role of a Tubulavirus in  
Converting a Pathogenic Bacteria  
into Commensal-like Organisms**

Poliane Alfenas Zerbini - UFV, MG

15h50 - 16h15

**Mechanisms of Oropouche  
virus assembly and egress from  
host cells.**

Luis Lamberti Pinto da Silva, SP

16h15 - 16h30

**Q&A**

16h30 - 16h50 Coffee Break

17h50 - 19h30

**Poster Session 3**

PT.306 - PT.372

PT.374 - PT.380

PT.382 - PT.419

PT.421 - PT.459

21h00 - 00h00

**No-host social activity**

(by adhesion)

Local: KIUN CERVEJARIA

Address: Av. Gramado, nº 3190

## Paraguay room

09h00 - 09h30

**VI Latin American Symposium of  
Environmental and Food Virology  
(free for 35<sup>th</sup> CBV attendees)**

**Opening conference**

**Environmental virology in Latin  
America: stories from two decades  
and perspectives**

Veronica Rajal - Universidad  
Nacional de Salta, ARG

09h30 - 10h20

**Conference**

Chair: Caroline Rigotto -  
Universidade Feevale, RS

09h30 - 10h20

**Wastewater Surveillance for Public  
Health: The REMONAR MCTI Network's  
Approach to Pathogen Monitoring  
and Early Detection**

Rodrigo de Freitas

Bueno - UFABC, SP

10h30 - 12h00

**Round table (FOOD VIROLOGY)**

Chair: Caroline Rigotto -  
Universidade Feevale, RS

**Food virology: achievements and  
challenges for food safety in Brazil**

Carina Cantelli Pacheco de Oliveira -  
Fiocruz-RJ, RJ

**Food aspects in virology interface  
with a focus on One Health**

Gislaine Fongaro (UFSC/Brazil)

**Food virology: achievements and  
challenges for food safety in Brazil**

Carina Cantelli Pacheco de Oliveira  
(Fiocruz-RJ/Brazil)

12h00 - 13h30 Lunch

13h30 - 15h00

**Round table**  
ENVIRONMENTAL VIROLOGY

Chair: Rodrigo Rodrigues -  
UFMG/Brazil

**Municipal solid waste - new  
perspectives for environmental  
virology**

Camille Ferreira Mannarino -  
Fiocruz-RJ/Brazil

**Combining cervical sampling and  
wastewater-based epidemiology for  
comprehensive analysis of Human  
Papillomavirus infections**

Matias Montero - Universidad de  
la República, URU

**Exploring the virome in  
environmental matrices:  
insights into metagenomic  
protocols and viral diversity**

Meriane Demoliner - Universidade  
Feevale/Brazil

15h00 - 16h30

**Oral Session**

Chair: Rafael Rezende (UFV/Brazil)

**ISOLATION AND CHARACTERIZATION  
OF THE FIRST BRAZILIAN  
CHLOROVIRUS FROM INLAND  
WATERS OF MINAS GERAIS**

Clécio Alonso da Costa Filho - UFMG

**COMPARISON OF DIFFERENT  
METHODS FOR VIRAL CONCENTRATION  
IN DAIRY AND MEAT PRODUCTS**

Catielen Paula Pavi - UFPR

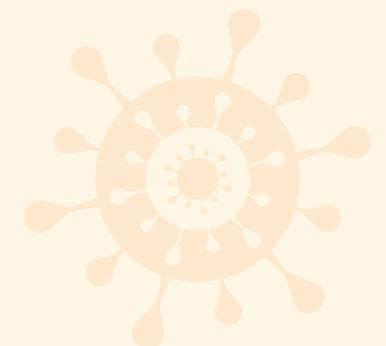
**UNRAVELING THE HIDDEN DIVERSITY  
OF CHLORELLA HELIOZOAE-INFECTING  
GIANT VIRUSES**

Bruna Barbosa Fagundes Botelho -  
UFMG

**FIRST DETECTION OF  
ALPHACORONAVIRUS IN BATS  
IN MATO GROSSO, BRAZIL**

Nicole Almeida dos Reis - Unicamp

16h30 - 16h50 Coffee Break



## Brazil room

09h00 - 10h00

### Oral presentation 4

VIRAL EPIDEMIOLOGY AND ONE HEALTH

Chair: Giliane de Souza Trindade - UFMG, MG

09h00 - 09h10

### CO.16

SURVEILLANCE OF VIRAL PATHOGENS IN CATS WITH RESPIRATORY INFECTIONS DURING THE COVID-19 PANDEMIC IN SOUTHERN BRAZIL

Presenter: Rafael Sartori Flores - UCS

09h10 - 09h20

### CO.17

OUTBREAK OF MORBILLIVIRUS CANIS IN NEOTROPICAL PRIMATES: A HEALTH ALERT

Presenter: Bruna Hermine de Campos - UFMG

09h20 - 09h30

### CO.18

REEMERGENCE OF THE OROPOUCHE VIRUS OUTBREAK IN MUNICIPALITIES IN RONDÔNIA AND BORDER CITIES IN AMAZONAS IN 2024: CLINICAL FINDINGS

Presenter: Karolaine Santos Teixeira - FIOCRUZ/RO

09h30 - 09h40

### CO.19

VIROME ANALYSES FROM STOOLS AND WATER SAMPLES REVEAL THE POTENTIAL OF CRASSPHAGE AS A HUMAN FECAL CONTAMINATION INDICATOR AND CHARACTERIZE SIX NOVEL WHOLE GENOMES WITH GENE DELETIONS

Presenter: Meriane Demoliner - Universidade Feevale

09h40 - 09h50

### CO.20

MARSUPIALS (MARSUPIALIA: DIDELPHIDAE) FROM THE STATE OF SÃO PAULO: POTENTIAL RESERVOIRS OF ZOO NOTIC VIRUSES

Presenter: Lucas Bibiano de Oliveira Souza - UNICAMP

10h00 - 10h30 Coffee Break

10h30- 11h00

### Awards announcement

11h00 - 12h00

### SBV General Assembly

## Argentina room

09h00 - 10h00

### Oral presentation 5

ANTIVIRALS, THERAPEUTIC AGENTS AND VACINES

Chair: Rodrigo Araújo Lima Rodrigues - UFMG, MG  
Chair: Amanda Haisi - Unesp, SP

09h00 - 09h10

### CO.21

MUCUS-ADHERENT BACTERIOPHAGES AS A PREVENTIVE STRATEGY FOR A LETHAL PSEUDOMONAS AERUGINOSA CHALLENGE

Presenter: Luiz Felipe Leomil Coelho - UNIFAL

09h10 - 09h20

### CO.22

MONITORING NEUTRALIZING ANTIBODIES AGAINST ORTHOPOXVIRUS VACCINIA AFTER IMMUNIZATION WITH JYNNEOS

Presenter: Mariella Sousa Coêlho Maciel - UFMG

09h20 - 09h30

### CO.23

PRE-CLINICAL AND CLINICAL DEVELOPMENT OF A POTENT COMBINATION OF BROMELAIN AND N-ACETYLCYSTEIN TO TREAT VIRAL RESPIRATORY DISEASES

Presenter: Leticia Gomes de Pontes - UFMG

09h30 - 09h40

### CO.24

IN SILICO DESIGNING OF MULTI-EPI TOPE VACCINE AGAINST CANINE PARVOVIRUS USING REVERSE VACCINOLOGY

Presenter: Luiza dos Santos Miranda - UCS

09h40 - 09h50

### CO.25

EXPERIMENTAL PRODUCTION OF INFECTIOUS PCV2b VIRAL PARTICLES FROM SYNTHETIC GENOMES

Presenter: Kayo De Paiva Pereira - UNESP

10h00 - 10h30 Coffee Break

## Paraguay room

09h00 - 10h00

### Oral presentation 6

ECOLOGY, EVOLUTION AND BIODIVERSITY

Chair: Eric Roberto Guimarães Rocha Aguiar - UESC, BA  
Chair: Fernanda Barreiro Brito - FIOCRUZ-RJ, RJ

09h00 - 09h10

### CO.26

AEDES AEGYPTI POPULATIONS CAN BE CHARACTERIZED USING GENOMIC FEATURES OF PHASI CHAROEN-LIKE VIRUS

Presenter: Marielton dos Passos Cunha - UNICAMP

09h10 - 09h20

### CO.27

GENETIC VARIABILITY OF BLAINVILLEA YELLOW SPOT VIRUS (Begomovirus blainvilleae) REVEALS RECOMBINANT VARIANTS AND A DISTINCT NONANUCLEOTIDE MOTIF

Presenter: Marcelo Henrique Oliveira Gonçalves - UFV

09h20 - 09h30

### CO.28

PERSISTENCE AND DIVERSITY OF WESTERN AFRICA ZIKA VIRUS IN FOREST AREAS OF AFRICA WITHOUT URBAN ADAPTATION

Presenter: Marielton dos Passos Cunha - UNICAMP

09h30 - 09h40

### CO.29

A PLAYGROUND FOR CAPSIDLESS VIRUSES: MIXED INFECTION IN SCLEROTINIA SCLEROTIORUM BRAZIL ISOLATES

Presenter: Yam Sousa Santos - UFV

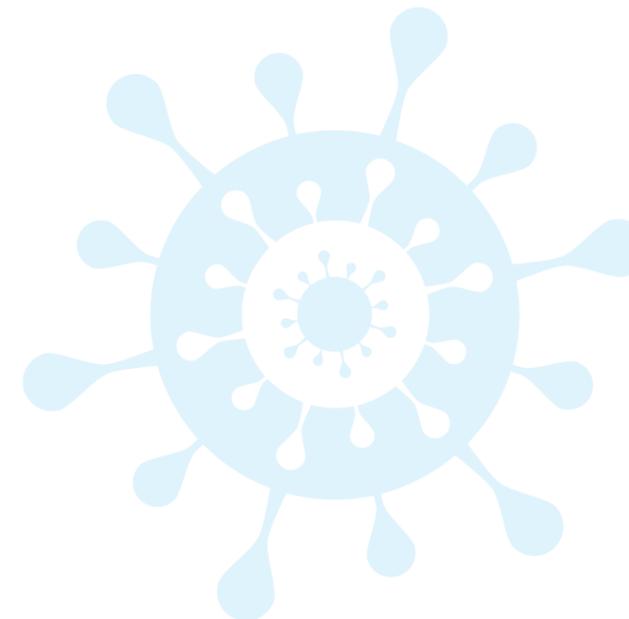
09h40 - 09h50

### CO.30

PORCINE PARVOVIRUS TYPE 1: A PHYLOGENETIC, EVOLUTIONARY AND STRUCTURAL ANALYSIS

Presenter: Pedro Augusto Freire de Sá Pontes - UCS

10h00 - 10h30 Coffee Break



## Posters

**PT.001**

**Effect of RECK protein on DNA repair in HPV-transformed cells**

García Forero A, Santos G, Boccardo EM

**PT.002**

**ASSESSMENT OF MURINE NEUTROPHIL RESPONSE DURING OROV INFECTION**

Vieira A, Muraro SP, Souza GF, Simeoni CL, Amorim MR, Brito BS, Oliveira-Corrêa R, Barbosa PP, Parise PL, Forato J, Scachetti GC, Vinolo MAR, Proença-Módena JL

**PT.003**

***In vitro* evaluation of the anti-herpetic activity and modulation of inflammatory mediators of *Salvia uliginosa***  
Haubert AF

**PT.004**

**GENETIC DIVERSITY AND IN VITRO ADAPTABILITY OF YELLOW FEVER VIRUS (YFV) VACCINE STRAIN 17DD AT INTRA-HOST AND INTER-HOST LEVELS.**  
Sanches ACP, Rubiato JGD, Galvão TM, Nogueira ML, Campos GRF

**PT.005**

**Development of a cell line from the bat *Desmodus rotundus* and its susceptibility to infection by *Lyssavirus rabies* (RABV), *Betacoronavirus pandemicum* (SARS-CoV-2), and some arboviruses.**  
Violet-Lozano L, Paredes-Galarza BS, Mangini AT, Witt AA, Timm FCB, Melgarejo AS, Gasparetto R, Stone NV, Prandi BA, Pereira FM, Silveira LS, Corrêa ML, Ravazzolo AP, Oliveira MT, Arns CW, Roehle PM, Franco AC

**PT.006**

**GOLD(I) COORDINATED COMPOUNDS AS A POTENTIAL CLASS OF ANTIVIRAL DRUGS AGAINST MAYARO VIRUS**  
Costa Oliveira AL, Santos IA, Oliveira IS, Abbehausen C, Jardim ACG

**PT.007**

**ANTIVIRAL ACTIVITY OF PALLADIUM(II) COORDINATED COMPOUNDS AGAINST MAYARO VIRUS**  
Costa Oliveira AL, Santos IA, Silva LB, Paiva REF, Corbi PP, Jardim ACG

**PT.008**

**HETEROLOGOUS DENGUE INFECTION OF IMMUNOCOMPETENT MICE LEADS TO MULTIORGAN DAMAGE**  
Almeida ALT, Caldas GC, Rasinhas AC, Jácome FC, Barreto-Vieira DF

**PT.009**

**ULTRASTRUCTURAL CHARACTERIZATION OF SECONDARY DENGUE INFECTION IN MICE TISSUES**  
Almeida ALT, Caldas GC, Rasinhas AC, Jácome FC, Barreto-Vieira DF

**PT.010**

**ELUCIDATING MONKEYPOX VIRUS MORPHOGENESIS THROUGH DIFFERENT APPROACHES OF ELECTRON MICROSCOPY**

Barreto-Vieira DF, Miranda MD, Silva MAN, Almeida AS, Almeida ALT, Bandedira DM, Rosa AS, Dias WG, Archanjo BS, Barth OM

**PT.011**

**SARS-CoV-2 SPIKE-INDUCED CELL CHANGES**  
Oliveira BAC, Campos MF, Leitão GG, Leitão SG, Allonso D

**PT.012**

**LIPID METABOLISM MODULATION AGAINST CHIKUNGUNYA VIRUS INFECTION**  
Campos BC, Anjos AB, Oliveira LS, Espósito DLA, Souza JP, Arruda Neto E, Figueiredo LTM, Osako MK

**PT.013**

**COORDINATION WITH PALLADIUM, PLATINUM OR ZINC INCREASES ANTIVIRAL ACTIVITY OF PYRIDINEMETHANAMINE AGAINST MAYARO VIRUS**  
Sandim BC, Santos IA, Cassani NM, Oliveira LS, Abbehausen C, Jardim ACG

**PT.014**

**MAYARO VIRUS IS STRONGLY INHIBITED BY COPPER(II) COMPLEXES**  
Sandim BC, Santos IA, Cassani NM, Oliveira LS, Guarda PHS, Rodrigues GC, Abbehausen C, Jardim ACG

**PT.015**

**ROLE OF IRF5 IN DENDRITIC CELLS FOR MAYARO VIRUS INFECTION IN A MURINE MODEL**  
Silva BBP, Teixeira DAT, Simeoni LC, Vieira A, Amorim RM, Forato J, Barbosa PP, Lavagnini PM, Scachetti GC, Módena JLP

**PT.016**

**EFFECT OF *PHTHORIMAEA OPERCULELLA GRANULOVIRUS* INHIBITOR OF APOPTOSIS PROTEINS ON INSECT CELL SURVIVAL AND INFECTION**  
Morais CB, Fisch AAFMS, Ribeiro BM

**PT.017**

**GAMMA DELTA T CELLS ARE CRUCIAL PREVENTING SEVERE PATHOGENESIS BY ALPHAVIRUS MAYARO.**  
Simeoni CL, Parise PL, Matheus VA, Vieira A, Silva BBP, Souza GF, Muraro SP, Lavagnini PM, Proença-Módena JL

**PT.018**

**ANTIVIRAL POTENTIAL OF CHONDROITIN SULFATE-COATED IRON OXIDE NANOPARTICLES AGAINST DENGUE VIRUS**  
Nascimento CS, Carvalho JG, Lage ACP, Tavares NC, Marques TM, Barros BO, Santos IFM, Calzavara-Silva CE

**PT.019**

**EVALUATING THE ANTIVIRAL POTENTIAL OF PLANT EXTRACTS ON VACCINIA VIRUS**  
Pacca-Mazaro CC, Flores-Souza E, Souza TVM, Souza GAR, Mendes ABO, Ferreira MC, Caldeira ASP, Nabak D, Calzavara CE, Alves TMA, Oliveira JG

**PT.020**

**VACCINIA VIRUS INHIBITION BY ACRIDONE**  
Pacca-Mazaro CC, Flores-Souza E, Assis LR, Souza TVM, Souza GAR, Mendes ABO, Calzavara CE, Regasini LO, Oliveira JG

**PT.021**

**ANALYSIS OF THE ANTIVIRAL ACTIVITY OF THE LECTIN CYANOVIRIN-N MUTANTS AND HOMOLOGS AGAINST MULTIPLE VIRUSES *IN VITRO*.**  
Sanchez CF, Higa L, Monteiro FLL, Vasconcelos AA, Caruso I, Rech E, Almeida F, Tanuri A

**PT.022**

**MODULATION OF CELLULAR PARAMETERS OF MICROGLIA BY THE NUCLEOCAPSID (N) PROTEIN OF SARS-COV-2**  
Marques CJJ, Almeida RN, Ribeiro BM, Magalhães KG

**PT.023**

**IN SILICO ANALYSIS OF STRUCTURAL PROPERTIES OF 6K AND TF PROTEINS ACROSS THE SEVEN ALPHAVIRUS SEROCOMPLEXES**  
Leal CS, Carvalho CAM

**PT.024**

**INVESTIGATION OF HUMAN CORONAVIRUSES IN NON-HUMAN PRIMATES, MINAS GERAIS, BRAZIL, 2023**  
Jacob DC, Pessoa NL, Guimarães ACDS, Testa MF, Paschoal AMO, Vilela DAR, Oliveira MA, Drumond BP

**PT.025**

**IMPLEMENTATION OF VIRAL DETECTION METHOD AT THE CENTRAL PUBLIC HEALTH LABORATORYOF MINAS GERAIS (LACEN/MG) FOR HEALTH SURVEILLANCE PURPOSES**  
Lima DP, Caetano RM, Magalhães AJQ, Amâncio GCS, Lima PA

**PT.026**

**SEARCH FOR PHAGE DISPLAY-DERIVED INHIBITORS FOR NSP2 FROM CHIKUNGUNYA AND MAYARO VIRUSES**  
Mendes GER, Clarindo FA, Reis EVS, Geraldini DB, Gismene C, Costa VG, Calmon MF, Arni RK, Rahal P

**PT.027**

**EVOLUTIONARY DYNAMICS TO THE ARISING OF HIV-1B GWGR**  
Martins Sobrinho SR, Junqueira DM

**PT.028**

**ORIGIN AND DISPERSAL OF HIV-1 SUBTYPE F1 IN BAHIA**  
Carvalho GA, Moraes L, Polita D, Gonzalez TT, Rego FFA, Junqueira DM, Giovanetti M, Khouri R, Santos LA

**PT.029**

**NEWCASTLE DISEASE VIRUS DETECTION IN WILD BIRDS FROM THE SOUTHERN BRAZILIAN COAST DURING THE CIRCULATION OF AVIAN INFLUENZA VIRUS.**

Ozaki DYSR, Thomazelli LM, Fenner GO, Reis NA, Vizu FP, Caleiro GS, Kraiser T, Brum AC, Finger JVG, Haas ML, Petry MV, Arns CW, Ferreira HL, Durigon EL, Araújo J

**PT.030**

**VESTITOL AS A POTENTIAL ANTIVIRAL AGENT AGAINST CHIKUNGUNYA VIRUS: IN VITRO ASSESSMENT**  
Araújo VL, Souza SJM, Santos EC, Sá LBM, Coelho GL, Pinto GS, Nascimento TG, Anderson L, Bassi EJ

**PT.031**

**ACTIVITY AGAINST VACCINIA VIRUS OF CRUDE EXTRACTS OF SOIL FUNGI.**  
Flores-Souza E, Pacca-Mazaro CC, Souza TVM, Souza GAR, Mendes ABO, Ferreira MC, Caldeira ASP, Maia DNB, Calzavara-Silva CE, Alves TMA, Oliveira JG

**PT.032**

**DENSITOMETRIC ANALYSIS AS AN ALTERNATIVE METHOD FOR HIGH-THROUGHPUT ANTIVIRAL SCREENING AGAINST POXVIRUSES**  
Flores-Souza E, Pacca-Mazaro CC, Deus DPM, Souza TVM, Souza GAR, Mendes ABO, Calzavara-Silva CE, Oliveira JG

**PT.033**

**EFFECTIVE PROTOCOL FOR MYCOPLASMA DECONTAMINATION OF VACCINIA VIRUS (VACV) STOCKS.**  
Flores-Souza E, Pacca-Mazaro CC, Souza TVM, Souza GAR, Mendes ABO, Calzavara-Silva CE, Oliveira JG

**PT.034**

**TITLE: EVALUATION OF THE IMPACT OF THE COVID-19 PANDEMIC ON THE CIRCULATION OF RESPIRATORY VIRUS IN CHILDREN.**

Leal FB, Aguiar AS, Almeida FJ, Sucupira C, Helman LBM, Monteiro C, Souza GV, Lopes BLT, Chalup VN, Valerio CA, Barbosa IA, Eisen AKA, Dorlass EG, Thomazelli LM, Oliveira DBL, Durigon EL

**PT.035**

**LEGACY OF CORONAVIRUS INFECTION: INTERFERENCE IN BONE METABOLISM AND ACCENTUATED OSTEOPOROSIS**  
Rocha FEO, Silva BLV, Lima LCD, Martins T, Nunes EHM, Teixeira MM, Queiroz-Junior CM, Costa VV

**PT.036**

**EXPERIMENTAL VIRAL EVOLUTION TO ENHANCE THE ONCOLYTIC CAPACITY OF ZIKA VIRUS IN GLIOBLASTOMA STEM CELLS IN VITRO**  
Atella GC, Pinheiro PM, Villuanueva MA, Correia LC, Tanuri A, Higa LM

**PT.037**

**VIRUCIDAL ACTIVITY OF NEW COMPOUNDS AGAINST MURINE CORONAVIRUS**  
Mendes GER, Clarindo FA, Reis EVS, Moraes TFS, Vieira NID, Martins DCS, Defreitas-Silva G, Pinheiro PF, Stancioli EFB, Fonseca FG, Coelho-dos-Reis JGA

**PT.038**

**USING MALDI-MS AS A NEW METHODOLOGY FOR GIANT VIRUS IDENTIFICATION**  
Nunes GHP, Oliveira LMA, Abrahão JS, Pinto TCA, Cortines JR

**PT.039**

**EFFECTS OF HIF-1α DELETION IN DENDRITIC CELLS ON CHIKUNGUNYA VIRUS INFECTION IN MURINE MODELS**  
Souza GF, Muraro SP, Forato J, Fox LC, Dunlap B, Monte K, Simeoni CL, Vieraia A, Martini MC, Vieira PMMM, Sesti RC, Lenschow DJ, Módena JLP

**PT.040**

**PROSPECTION OF NEW COMPOUNDS WITH ANTIVIRAL ACTIVITY AGAINST POXVIRUSES**  
Azevedo GLA, Moraes TFS, Reis EVS, Clarindo FA, Rocha VM, Viegas Junior C, Kroon EG, Barbosa-Stancioli EF, Fonseca FG, Coelho-dos-Reis JGA

**PT.041**

**ENCAPSULATION OF BACTERIOPHAGE WITH BOVINE SERUM ALBUMIN NANOPARTICLES FOR CONTROL OF *Pseudomonas aeruginosa***  
Marangoni GS, Sanchietta L, Cunha GA, Durante MFR, Gabriel MLC, Carvalho BA, Terceti MS, Malaquias LCC, Coelho LFL

**PT.042**

**ANTIVIRAL POTENTIAL OF NATURAL COMPOUNDS FROM AN AMAZON PLANT AGAINST CHIKUNGUNYA VIRUS**  
Antonucci GA, Feferbaum-Leite S, Cassani NM, d’Almeida JAV, Cruz MS, Neves KOG, Machado MB, Jardim ACG

**PT.043**

**“DESIGN AND VALIDATION OF A MOLECULAR TOOL FOR HPIV2 GENOME SEQUENCING IN THE CONTEXT OF LIMITED GENOMIC SURVEILLANCE”**  
Ferreira GM, Astbury S, McClure P, Jardim ACG

**PT.044**

**DYNAMICS OF SARS-CoV-2 VARIANTS OF CONCERN: TALES OF A COHORT FROM A BRAZILIAN CITY**  
Ferreira GM, Grosche VR, Santos PA, Costa VG, Cunha TM, Sabino-Silva R, Jesus JG, José DP, Rahal P, Jardim ACG

**PT.045**

**ANTIVIRAL ACTIVITY OF NEW BENZOTHAZOLE ANALOGS AGAINST CHIKUNGUNYA VIRUS: *IN VITRO* EVALUATION AND MECHANISTIC INSIGHTS**  
Coelho GL, Souza SJM, Santos EC, Brandão JA, Anderson L, Schirmeister T, Silva-Júnior EF, Bassi EJ

**PT.046**

**STRUCTURAL AND FUNCTIONAL STUDIES OF THE BACTERIA-PHAGE INTERFACE BY CRYOELECTRON TOMOGRAPHY**  
Silva GO, Sgro GG

**PT.047**

**BACTERIOPHAGE-LOADED BOVINE SERUM ALBUMIN NANOPARTICLES INCREASE VIRAL INFECTION RATE AGAINST *Pseudomonas aeruginosa***  
Cunha GA, Marangoni GS, Sanchietta L, Carvalho BA, Durante MFR, Gabriel MLC, Terceti MS, Malaquias LCC, Coelho LFL

**PT.048**

**PROPHAGE IMPACT ON *Ralstonia solanacearum* SPECIES COMPLEX ECOLOGY AND EVOLUTION**  
Rocha HCCT, Rezende RR, Alfenas-Zerbini P

**PT.049**

**Expression and characterization of a crystallized SARS-CoV-2 membrane (M) protein fused with the C-terminal portion of the *Bacillus thuringiensis Cry1C* for enhanced stability and cellular response analysis**  
Velame HS, Corrêa RFT, Pires ECF, Almeida RN, Ribeiro BM

**PT.050**

**ORTHOPOXVIRUS IN NON-HUMAN PRIMATES: INVESTIGATION OF VIRAL CIRCULATION FROM DIFFERENT SITES, BAHIA, BRAZIL**  
Domingos IJS, Oliveira RS, Silva PHB, Camargos TA, Almeida JM, Ribeiro GP, Oliveira DMS, Stoffella-Dutra AG, Ramos AVV, Bernal-Valle S, Silva TJ, Gripp VL, Oliveira DB, Teixeira DS, Trindade GS

**PT.051**

**EFFECT AND MECHANISM OF ACTION OF SEMISYNTHETIC CARDENOLIDE DERIVATIVES AGAINST HERPES SIMPLEX VIRUS**  
Guterres IZ, Ottoni FM, Dai Prá I, Schulte LG, Fongaro G, Alves RJ, Pádua RM, Silva IT

**PT.052**

***IN VITRO* STUDY OF THE ACTION OF BERBAMINE ON CHIKUNGUNYA VIRUS (CHIKV)**  
Bortolato IVF, Carvalho T, Conceição PJP, Geraldini DB, Merits A, Jardim ACG, Rahal P, Calmon MF

**PT.053**

**USE OF STORYTELLING TECHNIQUES AND ARTIFICIAL INTELLIGENCE FOR THE DEVELOPMENT OF AN E-BOOK TO EXPAND KNOWLEDGE ABOUT VACCINES**  
Piva-Amaral R, Santos ALC, Gozzi WP, Lopes SR, Pereira MJFB, Silveira MA, Sanchietta L, Marangoni GS, Durante MFR, Gabriel MLC, Cunha GA, Malaquias LCC, Coelho LFL

**PT.054**

**DEVELOPMENT OF QUALITATIVE EVALUATION TEST OF ANTIBODIES AGAINST RABIES VIRUS IN ELUTED SERUM SAMPLES FROM FILTER PAPER**  
Garcia JG, Barboza CM, Cocchi M, Batista HBCR

**PT.055**

**IMPACT OF ANTIBIOTIC-INDUCED MICROBIOTA DEPLETION ON INFECTION CAUSED BY SLEV IN MICE**  
Felipe JS, Coimbra LD, Borin A, Fontoura MA, Nagai A, Hanchuk TDM, Rodovalho VR, Vinolo MAR, Marques RE

**PT.056**

**SEXUAL BEHAVIOR AND MONKEYPOX KNOWLEDGE AMONG USERS OF A HEALTH CARE UNIT IN DIVINÓPOLIS-MG**  
Santiago MEF, Elói NF, Camargos GO, Gomes LA, Vieira CGN, Vaz CT, Ferreira JMS

**PT.057**

**A PEPTIDE FORMULATION BASED ON ANNEXIN A1 AS A HOST-DIRECTED THERAPY AGAINST DENGUE DISEASE**  
Martins JR, Batista VL, Fonseca TCM, Dias ASL, Soldati L, Queiroz-Junior CM, Santos ALC, Guimarães PPG, Teixeira MM, Costa VV

**PT.058**

**A NOVEL DNA-LAUNCHED REVERSE GENETICS SYSTEM FOR GENERATION OF RECOMBINANT FLAVIVIRUSES AND ALPHAVIRUSES**  
Cruz FSP, Silva Júnior JVI, Mattoso JRAA, Bispo JES, Gil LHVG

**PT.059**

**MOLECULAR EPIDEMIOLOGY OF MAYARO VIRUS AMONG FEBRILE PATIENTS IN RORAIMA STATE, BRAZIL, 2018–2021.**  
Forato J, Meira CA, Claro IM, Amorim MR, Souza GF, Muraro SP, Toledo-Teixeira DA, Dias MF, Meneses CAR, Angerami RN, Lalwani P, Weaver SC, Sabino EC, Faria NR, Souza WM, Granja F, Proença-Módena JL

**PT.060**

**IN VITRO STUDY OF GENETIC DIVERSITY AND ADAPTATION DYNAMICS OF SAINT LOUIS ENCEPHALITIS VIRUS (SLEV) DURING TRANSMISSION CYCLE.**  
Rubiato JGD, Galvão TM, Sanches ACP, Banho CA, Sacchetto L, Nogueira ML, Campos GRF

**PT.061**

**EVALUATION OF ANTIVIRAL ACTIVITY OF CARDIAC GLYCOSIDES AGAINST SARS-CoV-2**  
Souza-Souza KFC, Burth P, Paixão ICNP, Castro-Faria-Neto HC, Silva AR, Gonçalves-de-Albuquerque CF

**PT.062**

**BACTERIOPHAGES AGAINST *Pseudomonas aeruginosa* ARE VERY STABLE TO TEMPERATURE AND PH VARIATIONS**  
Sanchietta L, Cunha GA, Durante MFR, Marangoni GS, Terceti MS, Gabriel MLC, Carvalho BA, Malaquias LCC, Coelho LFL

**PT.063**

**ASSESSMENT OF SUSCEPTIBILITY TO DENGUE WITH WARNING SIGNS IN OFFSPRING BORN TO ZIKA VIRUS INFECTED MICE**  
Diniz LNA, Azevedo LMS, Amaral BS, Freitas ME, Oliveira SN, Ribeiro VG, Queiroz Junior C, Costa VV, Teixeira MM, Souza DG

**PT.064**

**ASSESSMENT OF 3-ACYLHYDRAZONE-4-QUINOLONE DERIVATIVES AS ANTI-HIV-1 AGENTS USING *IN VITRO* AND *IN SILICO* APPROACHES**  
Corrêa-Amorim LS, Stephens PRS, Rabelo VWH, Silva LS, Sanchez-Núñez ML, Pereira HS, Boechat FCS, Cunha AC, Ocampo JSP, Souza MCBV, Paixão ICNP

**PT.065**

**SARS-CoV-2 INFECTION IN ASYMPTOMATIC BLOOD DONORS FROM MATO GROSSO, MIDWESTERN BRAZIL**  
Marin L, Pavon JAR, Miranda LS, Carvalho VHS, Voigt MEF, Martire JL, Resende PC, Nunes MRT, Silhessarenko RD

**PT.066**

**FOLIC ACID RESTRICTED DIET DURING PREGNANCY OF Zika virus INFECTED FEMALE MICE LEADS TO FETAL COMPROMISE AND OFFSPRING DEVELOPMENTAL IMPAIRMENT IN ADULTHOOD**  
Azevedo LMS, Diniz LNA, Oliveira SN, Silva MEF, Teixeira DC, Santos BMA, Santos FRS, Ribeiro RS, Ribeiro NAR, Teixeira NW, Costa GMJ, Bonaventura D, Oliveira ACP, Costa VV, Teixeira MM, Souza DG

**PT.067**

**EVALUATION OF THE ANTIVIRAL POTENTIAL OF 4-QUINOLONE DERIVATIVES AGAINST HERPES SIMPLEX VIRUS TYPE 1**  
Fernandes LG, Motta TF, Martins LLB, Amorim LSC, Rabelo VWH, Silva LS, Nunes MLS, Souza MCBV, Paixão ICNPP

**PT.068**

**EVALUATION OF AMINO SUGAR-BASED ISOQUINOLINE-5,8-DIONES AND NAPHTHOQUINONES AS POTENTIAL ANTIVIRALS AGAINST CHIKUNGUNYA VIRUS**  
Rabelo VWH, Marins LQ, Nunez MLS, Silva LS, Amorim LSC, Cunha AC, Paixão ICNP

**PT.069**

**SEASONALITY OF AVIAN INFLUENZA VIRUS IN BRAZIL / SOUTH AMERICA**  
Thomazelli LM, Reis NA, Ozaki DYSR, Caleiro GS, Fenner GO, Vizu FP, Kraiser T, Durigon Junior EL, Araújo J

**PT.070**

**SARS-COV-2: ULTRASTRUCTURAL CHARACTERIZATION OF MORPHOGENESIS IN AN IN VITRO SYSTEM**  
Silva MAN, Almeida ALT, Mirand MD, Rasinhas AC, Motta FA, Siqueira MAMT, Dias WG, Arcanjo BS, Arcanjo BS, Bocza PT, Souza TML, Dias SSG, Soares VZ, Barth OM, Barreto-Vieira DF

**PT.071**

**TESTS OF ANTIVIRAL ACTION MOLECULES IN VERO E6 CELLS INFECTED WITH SARS COV-2: AN ULTRASTRUCTURAL VIEW**  
Silva MAN, Mirand MD, Barreto-Vieira DF

**PT.072**

**DETECTION OF DENGUE IN SALIVA OF MICE: FIRST DETECTION IN AN IMMUNOCOMPETENT MURINE MODEL**  
Silva MAN, Rasinhas AC, Caldas GC, Jacome FC, Leonardo R, Santos FB, Barth OM, Barreto-Vieira DF

**PT.073**

**EVALUATION OF THE HUMORAL IMMUNE RESPONSE AGAINST YELLOW FEVER VIRUSES (VACCINE AND SYLVATIC) IN VACCINATED INDIVIDUALS**  
Silva MFAS, Almeida LT, Gonçalves AP, Azevedo ACC, Martins Filho OA, Carvalho AT, Alves PA

**PT.074**

**HOST RANGE ANALYSIS OF LYTIC BACTERIOPHAGES OF PSEUDOMONAS AERUGINOSA ISOLATED FROM SOUTHEAST BRAZIL**  
Durante MFR, Carvalho BA, Sanchietta L, Cunha GA, Marangoni GS, Gabriel MLC, Terceti MS, Malaquias LCC, Coelho LFL

**PT.075**

**CHALLENGES IN THE CHIKUNGUNYA VIRUS EMERGENCE DURING A DENGUE OUTBREAK IN BRAZIL**  
Brancini ML, Santos TFP, Candial TS, Verro AT, Olgêncio EMO, Milhim BHGA, Sene FCT, Nogueira ML, Estofolete CF

**PT.076**

**INACTIVATION OF SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2) BY PAINT FORMULATIONS WITH BIOCIDES ADDITIVES**  
Oliveira MT, Gasparetto R, Araujo SB, Silveira LS, Paredes-Galarza BS, Stone NV, Malgarejo AS, Timm FCB, Violet-Lozano LM, Ferreira CA, Campos FS, Roehle PM, Franco AC

**PT.077**

**EXPERIMENTAL INFECTION WITH RESPIRATORY SYNCYTIAL VIRUS DURING PREGNANCY**  
Silva MHP, Souza JP, Arruda E

**PT.078**

**GENOMIC ANALYSES OF VACCINIA VIRUS STRAIN CANTAGALO FROM DIFFERENT REGIONS OF BRAZIL, 1999 - 2022**  
Luques MN, Rezende BC, Souza ARV, Damaso C

**PT.079**

**ULTRASTRUCTURAL ALTERATIONS IN MAMMALIAN CELLS INFECTED WITH ILHUEUS VIRUS**  
Garcia MDN, Costa IPS, Silva MAN, Caldas GC, Ferreira VNS, Corrêa AP, Filippis AMB, Barreto-Vieira DF

**PT.080**

## Posters

**PT.089**  
**ANTIVIRAL ACTION OF DIFFERENT MOLECULES OBTAINED FROM INVERTEBRATES AGAINST AVIAN CORONAVIRUS**  
Mendonça RZ, Nascimento RM, Fernandes ACO, Silva Junior PI

**PT.090**  
**Antiviral action of aqueous extracts of propolis from Scaptotrigona af. postica (Hymenoptera; Apidae) against zicavirus, chikungunya, and mayaro virus**  
Mendonça RZ, Nascimento RM, Fernandes ACO, Silva Junior PI

**PT.091**  
**Intranasal Liposomal Remdesivir causes SARS-CoV-2 Clearance in the Lung and Brain of K18-hACE2 Mice, Ensuring Complete Survival**  
Mendes S, Guimarães LC, Oliveira LC, Costa PAC, Silva NJA, Fernandez CC, Figueiredo MM, Santos RA, Teixeira MM, Costa VV, Guimarães PPG, Frezard F

**PT.092**  
**GENOTYPIC AND BIOLOGICAL CHARACTERIZATION OF VACCINIA VIRUS STRAIN CANTAGALO ISOLATED IN RONDÔNIA, 2018 \_ 2021**  
Hir S, Damaso C

**PT.093**  
**P OTENTIAL OF CAPRYLIC ACID TO REPLACE B-PROPIOLACTONE IN THE INACTIVATION PROCESS OF THE RABIES VIRUS FOR EQUINE IMMUNIZATION**  
Sena VDV, Evangelista KS, Leclercq SY

**PT.094**  
**ANTIVIRAL ACTIVITY OF BRAZILIAN RED PROPOLIS COMPOUNDS AGAINST CHIKUNGUNYA VIRUS: *IN VITRO* EVALUATION AND *IN SILICO* ANALYSIS**  
Souza SJM, Santos EC, Coelho GL, Pinto GS, Araújo VL, Nascimento TG, Silva-Júnior EF, Anderson L, Bassi EJ

**PT.095**  
**SCREENING OF SEMISYNTHETICS FLAVONES WITH POTENTIAL ANTIVIRAL ACTIVITY AGAINST CHIKV IN VITRO**  
Costa SS, Schaeffer E, Constant LEC, Souza LG, Allonso D, Silva AJM

**PT.096**  
**ZOOMING IN ON VIRAL MUTATION RATES: WHAT CAN WE SEE?**  
Furuyama TN, Carvalho IMVG, Janini LMR, Antoneli F

**PT.097**  
**HCV GENOTYPE PREDICTION USING A DNA-BASED DEEP LEARNING FOUNDATION MODEL**  
Aro A, Furuyama TN, Janini LMR, Carvalho IMVG, Antoneli F

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