



## Day 1 - 09/07:

Timetable	Activity	Speakers/Ministers	Activity name
02:00pm – 03:00pm	Opening of the event	Unifal-MG Authorities - Organizing Committee	
03:00pm – 04:00pm	Opening Lecture	Prof. Dr. Paulo Saldiva	Scientific challenges in times of Covid-19: Can the relationship between human beings and the environment promote the development of new countries?
04:00pm – 05:00pm	Lecture	Dr. Lucas Eduardo Botelho de Souza	Advances in gene/cell therapy using T-CAR cells in oncology.
05:00pm – 05:30pm	Lectures research groups	Prof. Dr. Angel Mauricio Castro Gamero	Chromosomal Instability and Its Impact on Tumor Progression
05:30pm – 06:00pm	Lectures research groups	Profa. Dra. Pollyanna Francielli de Oliveira	Implications of mutagenesis in experimental carcinogenesis and chemoprevention

### Full schedule

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## Day 2 - 09/28:

Timetable	Activity	Speakers/Ministers	Activity name
09:00am – 10:00am	Guided virtual tours	Prof. Dr. Angel Mauricio Castro Gamero Profa. Dra. Pollyanna Francielli de Oliveira PhD student Leilane Sales de Oliveira Master's student João Marcos Oliveira da Silva Master's student Mariane Minussi Baptistella Student Carolina Sales de Oliveira	Guided tour of the Laboratory of Human Genetics and Experimental Research Bioterium
10:00am – 11:00am	Guided virtual tours	Profa. Dra. Ester Siqueira Caixeta Nogueira Profa. Dra. Marisa Ionta Profa. Dra. Andrea Mollica do Amarante Prof. Dr. Angel Roberto Barchuk Prof. Dr. Valdemar Antonio Paffaro Junior Post-Doctoral Student Bruno Zavan PhD student Asafe Costa Lopes PhD student Carolina Giroto Pressete Master's student Mirela Oliveira Barboza e Souza Master's Student Sílvia de Oliveira Miranda Master's Student Raissa Bayker Vieira Silva Master's student Gabriela Helena de Barrios	Guided tour of the Laboratory of Integrative Animal Biology-LABAint

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		Master's student Amanda Ap. Ribeiro Andrade Master's student Márcio José dos Santos Filho	
11:00am - 02:00pm	Lunch		
02:00pm – 03:00pm	Lecture	Prof. Dr. Prof. Babak Baban	Cannabidiol as a potential treatment for Alzheimer's Disease
03:00pm – 04:00pm	Lecture	Dra. Evilla Lopes Salles	Could cannabinoids provide a new route to treat Covid-19?
04:00pm – 04:30pm	Lectures research groups	Profa. Dra. Luciana Azevedo Profa. Dra. Graziela Lima	Natural and synthetic compounds of nutritional or pharmaceutical interest: the proposal of the Laboratory of nutritional and toxicological analyses <i>in vivo</i> and <i>in vitro</i> (LANTIN)
04:30pm – 05:00pm	Lectures research groups	Prof. Dr. Bruno Zavan	UNK cells as a model of Study in Reproductive Biology
05:00pm – 05:30pm	Lectures research groups	PhD student Asafe Costa Lopes	Impact of breed and pharmacological manipulation of the estral cycle on cellular and molecular aspects of bovine cumulus-oocyte complexes
05:30pm – 06:00pm	Lectures research groups	Prof. Dr. Angel Roberto Barchuk	The phenotypic plasticity of life-history traits

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### Day 3 - 09/29:

Timetable	Activity	Speakers/Ministers	Activity name
09:00am – 10:00am	Guided virtual tours	Profa. Dra. Luciana Azevedo Profa. Dra. Graziela Lima PhD student Fernanda Rafaelly de Oliveira Pedreira Master's student Amanda dos Santos Lima Laura da Silva Cruz (IC) Maria Angélica Borba Vieira Ferreira (IC) Priscilla da Mota Braga (IC) Rayssa Regina M. Lopes (IC)	Guided tour of the Laboratory of nutritional and toxicological analyses <i>in vivo</i> and <i>in vitro</i> (LANTIN)
10:00am – 11:00am	Guided virtual tours	Profa. Dra. Silvia Graciela Ruginsk Leitão Master's student Letícia Cruz de Almeida Marina de Fátima Venâncio (TAE)	Visit to the Physiology Laboratory (center campus) - primary cell culture protocol
11:00am - 02:00pm	Lunch		
02:00pm – 03:00pm	Lecture	Prof. Dr. Luiz Guilherme de Siqueira Branco	Impact of serotonin administration against systemic inflammatory response syndrome (SIRS)
03:00pm – 04:00pm	Lecture	Prof. Dr. Michel Borde Bebeacua	Neural bases (cellular and synaptic levels) of behavior
04:00pm – 04:30pm	Lectures research groups	Profa. Dra. Silvia Graciela Ruginsk Leitão	Glial cells as protagonists in physiological and pathological conditions
04:30pm – 05:00pm	Lectures research groups	Profa. Dra. Fabiana Cardoso Vilela Giusti	Perinatal programming and neurodevelopmental disorders

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05:00pm – 05:30pm	Lectures research groups	Profa. Dra. Andréa Mollica do Amarante Paffaro	Fetal Maternal Interaction: stressful events during pregnancy.
05:30pm – 06:00pm	Lectures research groups	Profa. Dra. Marisa Ionta	Natural and synthetic products as prototypes for antineoplastic drugs

#### Full schedule

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#### Day 4 - 09/30:

Timetable	Activity	Speakers/Ministers	Activity name
09:00am – 10:00am	Guided virtual tours	Profa. Dra. Fabiana Cardoso Vilela Giusti Prof. Dr. Alexandre Giusti Paiva José Reis Pereira (TAE) PhD student Fernando Vitor Vieira PhD student Barbara Garcia Ferri PhD student Leticia Reis PhD student Cíntia Onofra de Novais PhD student Viviana Carolina Trujillo Rojas	Guided tour of the Neuroimmunomodulation Laboratory: Translational models for the study of mental disorders
10:00am – 11:00am	Guided virtual tours	Profa. Dra. Silvia Graciela Ruginsk Leitão Master's student Letícia Cruz de Almeida Marina de Fátima Venâncio (TAE)	Visit to the Physiology Laboratory (campus center) - perfusion protocol and immunohistochemistry/immunofluorescence
02:00pm – 03:00pm	Lecture	Prof. Dr. Benedito Honorio Machado	Role of Hypoxia in Neural Control of Circulation and Breathing
03:00pm – 04:00pm	Lecture	Prof. Dr. Ricardo Fujita	Genetics of Rare Diseases in the Latin American and World Context
04:00pm – 04:30pm	Lectures research groups	Prof. Dr. Alexandre Giusti Paiva	Type-depressive behavior after systemic inflammation
04:30pm – 05:00pm	Lectures research groups	PhD student Anderson Ranieri Massahud	Biosciences of Human Motricity and its impacts on rehabilitation, prevention of injuries and health conditions

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05:00pm – 05:30pm	Lectures research groups	Profa. Dra. Josie Resende Torres da Silva Prof. Dr. Marcelo Lourenço da Silva	Translational Models of Study of Pain Neurobiology and Noninvasive Neuromodulation
05:30pm – 06:00pm	Lectures research groups	PhD student Rafaella Rocha Figueiredo	Photo biomodulation by low-intensity laser or LED in respiratory mechanics, recruitment of neutrophils and cytokines in the regulation of the gene of the angiotensin-2-converter enzyme, the receptor of SARS-CoV-2 for Covid-9, in a model of acute pulmonary inflammation in rats induced by lipopolysaccharide of <i>Escherichia Coli</i>
06:00pm – 06:30pm	Lectures research groups	Profa. Dra. Cristina Garcia Lopes Alves	The Chronic Conditions in primary care of the SUS from the perspective of interdisciplinarity: diagnosis, monitoring and cost analysis of the main occurrences

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## Day 5 - 10/01:

Timetable	Activity	Speakers/Ministers	Activity name
09:00am – 10:00am	Guided virtual tours	Prof. Dr. Leonardo César Carvalho PhD student Marcelo Lima de Oliveira PhD Roberta de Oliveira e Silva PhD student Anderson Ranieri Massahud	Guided tour of the Biomechanical Laboratory and Motion Analysis
10:00am – 11:00am	Guided virtual tours	Profa. Dra. Josie Resende Torres da Silva Prof. Dr. Marcelo Lourenço da Silva PhD student Rafaella Rocha Figueiredo PhD student Laís Leite Ferreira PhD student Ronan Martins Cardoso Master's student Laya Dalila Reis Guilherme Prevelato Oliveira (IC) Laura Pereira Generoso (IC)	Guided tour of the Laboratory of Neuroscience, Neuromodulation and Pain (LANNED) and the Clinic school of Physiotherapy
11:00am - 02:00pm	Lunch		
02:00pm – 03:00pm	Lecture	Profa. Dra. Mariana Araújo Vieira do Carmo	Postgraduate role in the production and development of science and professional perspectives
03:00pm – 04:00pm	Lecture	Me. Luiza Caires	Scientific dissemination in times of fakenews in the digital age

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04:00pm – 05:00pm	Oral presentations of papers selected for awards		
05:00pm – 06:00pm	Closing of the event		

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## Lectures research groups:

### Day 1:

05:00pm – 05:30pm	Lectures research groups	Prof. Dr. Angel Mauricio Castro Gamero	Chromosomal Instability and Its Impact on Tumor Progression
05:30pm – 06:00pm	Lectures research groups	Profa. Dra. Pollyanna Francielli de Oliveira	Implications of mutagenesis in experimental carcinogenesis and chemoprevention

### Day 2:

04:00pm – 04:30pm	Lectures research groups	Profa. Dra. Luciana Azevedo Profa. Dra. Graziela Lima	Natural and synthetic compounds of nutritional or pharmaceutical interest: the proposal of the Laboratory of nutritional and toxicological analyses <i>in vivo</i> and <i>in vitro</i> (LANTIN)
04:30pm – 05:00pm	Lectures research groups	Prof. Dr. Bruno Zavan	UNK cells as a model of Study in Reproductive Biology
05:00pm – 05:30pm	Lectures research groups	PhD student Asafe Costa Lopes	Impact of race and pharmacological manipulation of the estral cycle on cellular and molecular aspects of bovine cumulus-oocyte complexes
05:30pm – 06:00pm	Lectures research groups	Prof. Dr. Angel Roberto Barchuk	The phenotypic plasticity of life-history traits

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### Day 3:

04:00pm – 04:30pm	Lectures research groups	Profa. Dra. Silvia Graciela Ruginsk Leitão	Glial cells as protagonists in physiological and pathological conditions
04:30pm – 05:00pm	Lectures research groups	Profa. Dra. Fabiana Cardoso Vilela Giusti	Perinatal programming and neurodevelopmental disorders
05:00pm – 05:30pm	Lectures research groups	Profa. Dra. Andréa Mollica do Amarante Paffaro	Fetal Maternal Interaction: stressful events during pregnancy.
05:30pm – 06:00pm	Lectures research groups	Profa. Dra. Marisa Ionta	-

### Day 4:

04:00pm – 04:30pm	Lectures research groups	Prof. Dr. Alexandre Giusti Paiva	Type-depressive behavior after systemic inflammation
04:30pm – 05:00pm	Lectures research groups	PhD student Anderson Ranieri Massahud	Biosciences of Human Motricity and its impacts on rehabilitation, prevention of injuries and health conditions
05:00pm – 05:30pm	Lectures research groups	Profa. Dra. Josie Resende Torres da Silva Prof. Dr. Marcelo Lourenço da Silva	Translational Models of Study of Pain Neurobiology and Noninvasive Neuromodulation
05:30pm – 06:00pm	Lectures research groups	PhD student Rafaella Rocha Figueiredo	Photo biomodulation by low-intensity laser or LED in respiratory mechanics, recruitment of neutrophils and cytokines in the regulation of the gene of the angiotensin-2-converter enzyme, the receptor of SARS-CoV-2 for Covid-9, in a model of acute

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			pulmonary inflammation in rats induced by lipopolysaccharide of <i>Escherichia Coli</i>
06:00pm – 06:30pm	Lectures research groups	Profa. Dra. Cristina Garcia Lopes Alves	The Chronic Conditions in primary care of the SUS from the perspective of interdisciplinarity: diagnosis, monitoring and cost analysis of the main occurrences

#### Guided tours:

#### Day 2:

09:00am – 10:00am	Guided virtual tours	Prof. Dr. Angel Mauricio Castro Gamero Profa. Dra. Pollyanna Francielli de Oliveira PhD student Leilane Sales de Oliveira Master João Marcos Oliveira da Silva Master's student Mariane Minussi Baptistella Master's student Carolina Sales de Oliveira	Guided tour of the Laboratory of Human Genetics and Experimental Research Bioterium
10:00am – 11:00am	Guided virtual tours	Profa. Dra. Ester Siqueira Caixeta Nogueira Profa. Dra. Marisa Ionta	Guided tour of the Integrative Animal Biology Laboratory-LABaint

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		<p>Profa. Dra. Andrea Mollica of Amarante</p> <p>Prof. Dr. Angel Roberto Barchuk</p> <p>Prof. Dr. Valdemar Antonio Paffaro Junior</p> <p>Post-Doctoral Student Bruno Zavan</p> <p>PhD student Asafe Costa Lopes</p> <p>PhD student Carolina Girotto Pressete</p> <p>Master's student Mirela Oliveira Barboza e Souza</p> <p>Master's Student Sílvia de Oliveira Miranda</p> <p>Master's Student Raissa Bayker Vieira Silva</p> <p>Master's student Gabriela Helena de Barrios</p> <p>Master's student Amanda Ap. Ribeiro Andrade</p> <p>Master's student Márcio José dos Santos Filho</p>	
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09:00am – 10:00am	Guided virtual tours	Profa. Dra. Luciana Azevedo Profa. Dra. Graziela Lima PhD student Fernanda Rafaelly de Oliveira Pedreira Master's student Amanda dos Santos Lima Laura da Silva Cruz (IC) Maria Angélica Borba Vieira (IC) Priscilla da Mota Braga (IC) Rayssa Regina M. Lopes (IC)	Guided tour of the Laboratory of nutritional and toxicological analyses <i>in vivo</i> and <i>in vitro</i> (LANTIN)
10:00am – 11:00am	Guided virtual tours	Profa. Dra. Silvia Graciela Ruginsk Leitão Student Letícia Cruz de Almeida Marina de Fátima Venâncio (TAE)	Visit to the Physiology Laboratory (center campus) - primary cell culture protocol

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#### Day 4:

09:00am – 10:00am	Guided virtual tours	Profa. Dra. Fabiana Cardoso Vilela Giusti Prof. Dr. Alexandre Giusti Paiva José Reis Pereira (TAE) PhD student Fernando Vitor Vieira PhD student Barbara Garcia Ferri PhD student Leticia Reis PhD student Cíntia Onofra de Novais PhD student Viviana Carolina Trujillo Rojas	Guided tour of the Neuroimmunomodulation Laboratory: Translational models for the study of mental disorders
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#### Day 5:

09:00am – 10:00am	Guided virtual tours	Prof. Dr. Leonardo César Carvalho PhD student Marcelo Lima de Oliveira PhD Roberta de Oliveira e Silva	Guided tour of the Biomechanical Laboratory and Motion Analysis
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		PhD student Anderson Ranieri Massahud	
10:00am – 11:00am	Guided virtual tours	Profa. Dra. Josie Resende Torres da Silva Prof. Dr. Marcelo Lourenço da Silva PhD student Rafaella Rocha Figueiredo PhD student Laís Leite Ferreira PhD student Ronan Martins Cardoso Master's student Laya Dalila Reis Guilherme Prevelato Oliveira (IC) Laura Pereira Generoso (IC)	Guided tour of the Laboratory of Neuroscience, Neuromodulation and Pain (LANNED) and the Clinic school of Physiotherapy

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