



GRADE ESQUEMÁTICA

	09/9 (seg)	10/9 (ter)	11/9 (qua)	12/9 (qui)	13/9 (sex)
8:00-9:00 h	Evento Satélite	Evento Satélite	Cursos I 1ªaula	Cursos I 2ªaula	Cursos I 3ªaula
9:00-9:30 h		Coffee break			
9:30-11:30 h	Evento satélite	Simpósio/ Módulos Temáticos	Módulos Temáticos	Simpósios	Prêmios (SBEM/BRAVO) Simpósio/ Módulo Temáticos
11:30-12:30 h		Conferência plena I	Conferência plena II	Conferência plena III	Cerimônia e Conferência de encerramento
12:30-14:00 h	Almoço				
14:00-16:00 h	Evento satélite Cursos Escola de Ciências	Simpósio/ Módulo Temático	Simpósios	Simpósios	
16:00-17:00 h					
16:00-18:00 h	Eventos satélite	Sessão de painéis I	Sessão de painéis II	Sessão de painéis III	
18:00-19:00 h	Cerimônia e Conferência de abertura	Conferências	Conferências	Conferências	
19:00-20:00 h		Cursos II 1ªaula	Cursos II 2ªaula	Cursos II 3ªaula	
20:00-21:00			Assembleia da FeSBE		

PROGRAMA ESQUEMÁTICO

Segunda-Feira - 09.09.2019

8:00 - 12:30 – Evento satélite: 3rd Australia-Brazil-Chile Regenerative Medicine and Developmental Biology Symposium

12:30 - 14:00 - Intervalo para Almoço

14:00 - 17:30 - Eventos satélite: 3rd Australia-Brazil-Chile Regenerative Medicine and Developmental Biology Symposium; Escola de Ciências na FeSBE; Cursos

18:00 - 18:30 - Abertura Oficial do Evento

18:30 - 19:30 - Conferência de Abertura – Peter Currie (Australian Regenerative Medicine Institute, Australia) "Understanding skeletal muscle regeneration using zebrafish models"

Terça-Feira - 10.09.2019

8:00 – 9:00 - Evento satélite

9:00 – 9:30 - Coffee Break

9:30 – 11:30 – Simpósio e Módulos Temáticos

11:30 – 12:30 – Conferência plena I

12:30 – 14:00 - Intervalo para Almoço

14:00 – 16:00 – Simpósios e Módulo Temático

16:00 – 18:00 - Sessão de Painéis I

18:00 – 19:00 – Conferências

19:15 – 20:15 - Cursos II (1ª aula)

Quarta-Feira - 11.09.2019

8:00 - 9:00 - Cursos I (1ª aula) / Fesbe Jovem

9:00 – 9:30 - Coffee Break

9:30 - 11:30 - Módulos Temáticos/ Fesbe Jovem

11:30 - 12:30 – Conferência plena II

12:30 - 14:00 - Intervalo para Almoço

14:00 - 16:00 – Simpósios

16:00 - 18:00 - Sessão de Painéis II

18:00 - 19:00 – Conferências

19:15 - 20:15 - Cursos II (2ª aula)

20:00 - 21:00- Assembleia da FeSBE

Quinta-Feira - 12.09.2019

8:00 - 9:00 - Cursos I (2ª aula) / Fesbe Jovem

9:00 – 9:30 - Coffee Break

9:30 - 11:30 – Prêmios/Simpósios/ Fesbe Jovem

11:30 - 12:30 – Conferência plena

12:30 - 14:00 - Intervalo para Almoço

14:00 - 16:00 – Simpósios

16:00 - 18:00 - Sessão de Painéis III

18:00 - 19:00 – Conferências

19:15 - 20:15 - Cursos II (3ª aula)

Sexta-Feira - 13.09.2019

8:00 - 9:00 - Cursos I (3ª aula) / Fesbe Jovem

9:00 – 9:30 - Coffee Break

9:30 - 11:30 - Módulos Temáticos/ Simpósio/ Fesbe Jovem

11:30 -13:30 - Cerimônia e Conferência de Encerramento/ Premiações



09/09-Segunda-feira

8:00-17:30 h-Evento Satélite

3rd Australia-Brazil-Chile Regenerative Medicine and Developmental Biology Symposium

14:00-17:00 h- Cursos

Marketing para cientistas: da bancada a concursos

Coordenador: Helder Nakaya (USP-SP)

Aula 1- Mitos e fatos na carreira científica
Helder Nakaya (USP-SP)

Aula 2- Escrita científica e fazendo figuras impactantes
Helder Nakaya (USP-SP)

Aula 3- Desenvolvendo sua carreira científica
Helder Nakaya (USP-SP)

Aspectos fisiológicos e comportamentais nas pesquisas com fêmeas

Coordenadora: Fabiana Cardoso Vilela Giusti (UNIFAL-MG)

Aula 1- Aprendendo a trabalhar com fêmeas
Bruna Kalil (UNIFAL-MG)

Aula 2- Lactação e comportamento materno
Fabiana Cardoso Vilela Giusti (UNIFAL-MG)

Aula 3- O funcionamento do sistema circadiano em fêmeas
Maristela de Oliveira Poletini (UFMG)

14:00-17:00 h- Escola de Ciências

10/09- Terça-Feira

8:00-12:30 h- Evento Satélite

3rd Australia-Brazil-Chile Regenerative Medicine and Developmental Biology Symposium

9:30-11:30 h- Simpósio e Módulos Temáticos

Pharmacological changes in cell senescence and consequences for the aging process and neurodegenerative diseases

Chair: Tânia Viel (USP)

Mass spectrometric technology to understand molecular mechanisms that underlie aging
Birgit Schilling (Buck Institute for Research on Aging)
Cellular senescence is induced by the environmental neurotoxin paraquat and contributes to neuropathology linked to Parkinson's disease
Julie Kay Andersen (Buck Institute for Research on Aging)

Uncovering genes and small molecules that prolong lifespan through enhanced molecular stability

Gordon Lithgow (Buck Institute for Research on Aging)

Bradykinin treatment increased the longevity of hippocampal organotypic cultures from old mice
Hudson de Sousa Buck (FCMSCSP)

Heart failure-induced cardiorenal diseases: potential targets.

Chair: Adriana C. C. Girardi (InCor- HC-FMUSP)
Cardioprotection conferred by antidiabetic drugs in heart failure: a renal proximal tubule perspective.

Adriana C. C. Girardi (InCor-HC-FMUSP)
The potential benefits of exercise training on vascular disorders induced by heart failure
Luciana V. Rossoni (ICB-USP)

Oral presentation 1: TBD

Oral presentation 2: TBD

Balance control and visual function: basic and applied approaches

Chair: Givago da Silva Souza (UFPA)

The role of the visual information in balance control

Ana Francisca Rozin Kleiner (UFSCar)
Balance control in low-vision patients
Givago da Silva Souza (UFPA)
Oral presentation 1: TBD
Oral presentation 2: TBD

Advances in metabolic programming-induced obesity and comorbidities

Chair: Everardo Magalhães Carneiro (UNICAMP)
Obesity and its comorbidities
Licio A. Velloso (UNICAMP)
Metabolic programming and obesity
Patrícia Cristina Lisboa (UERJ)
Oral presentation 1: TBD
Oral presentation 2: TBD

Mechanotransduction in biological systems

Chair: Ayumi Aurea Miyakawa (InCor-USP)
Mechanotransduction at the cell-matrix interface
Christoph Ballestrem (The University of Manchester)
Crp3 and vascular remodeling by mechanical stress
Ayumi Aurea Miyakawa (InCor-USP)
Oral presentation 1: TBD
Oral presentation 2: TBD

11:30-12:30 h- Conferência Plena

A informar

Speaker: José Xavier-Neto

12:30-14:00 h- Intervalo do Almoço

14:00-16:00 h- Módulos Temáticos e Simpósios

Neuroscience of learning and Brazilian education

Chair: Camilo Lellis-Santos (UNIFESP)
Science for education: a window of opportunity for Brazil
Robert Lent (UFRJ)
Universal design for learning: accommodating individual learning differences
Claudia Berlim de Mello (UNIFESP)
Oral presentation 1: TBD
Oral presentation 2: TBD

Therapies with stem cells and extracellular vesicles in choric neurodegenerative diseases

Chair: Pedro Leme (UFRJ)/ Patricia Rocco (UFRJ)

Therapies with stem cells and extracellular vesicles in respiratory diseases
Patricia Rocco (UFRJ)
Extracellular vesicles therapy in kidney diseases
Danilo Cândido de Almeida (UNIFESP/USP)
Stem cells therapy in pulmonary arterial hypertension – a new perspective
Pedro Leme (UFRJ)
Challenges for cardiac repair and regeneration after myocardial infarction
José E. Krieger (Incor-HC-USP)

Several aspects of zebrafish as a research model

Chair: Maria Izabel Chiamolera (UNIFESP)
Unraveling microRNAs function in zebrafish: strategies and advances
Danillo Pinhal (UNESP-Botucatu)
The role of anti-Müllerian hormone signaling during sex differentiation and gametogenesis of teleost fish
Rafael Henrique Nóbrega (UNESP-Botucatu)
Feeding, personality and housing as a candidate source for variation in results from different laboratories around the world
Leonardo José Gil Barcellos (UPF)
Sanitary control in zebrafish and its implication in experimental results
Bianca Ventura (FMUSP-SP)

Transgenics and Biosafety

Chair: Anibal E. Vercesi (UNICAMP)
Impacts of adopting OMGs
Edivaldo Velini (UNESP)
OMGs: a mobile target
Carlos Orsi (Instituto Questão de Ciência)
The risk of miscommunicating risks
Natalia Pasternak (Instituto Questão de Ciência)
History and importance of the Brazilian biosafety law
Walter Colli (IQ-USP)

New challenges to blindness treatment

Chair: Hilda Petrs-Silva (UFRJ)
Modulation of Endocannabinoid system induce neuroprotection in a murine model of retinitis pigmentosa
Lucianne Frigel Madeira (UFF)
Micro-RNAs and the regulation of stem cells and retinal degeneration
Carolina Beltrame Del Debbio (USP)
Non-viral vectors for retinal degeneration gene therapy

Armando da Silva Cunha Junior (UFMG)
Gene therapy for retinal ganglion cells - is it feasible?
Hilda Petrs-Silva (UFRJ)

18:00-19:00 h- Conferências

A Chimera Named Pollution

Chair: Patricia Rocco (UFRJ)

Speaker: Walter Araujo Zin (UFRJ)

Advances and future perspectives for the study of the human pancreas

Chair: Everardo M. Carneiro (UNICAMP)

Speaker: Alejandro Caicedo (University of Miami)

Hypertensive neuropathy: a new clinical disease?

Chair: Ana Carolina T. Takakura (ICB-USP)

Speaker: Valéria Paula S. Fazan (FMRP-USP)

19:00-20:00 h- Curso II

Desreguladores endócrinos

Coordenadora: Denise Pires de Carvalho (UFRJ) e Maria Izabel Chiamolera (UNIFESP)

Aula 1- Introdução aos Desreguladores Endócrinos

Andrea Claudia Freitas Ferreira (UFRJ)

Aula 2- Contaminantes Organoestênicos e o Sistema Endócrino e Reprodutor

Jones B. Graceli (UFES)

Aula 3- Plasticantes, Herbicidas e Metais Pesados
Glacir Roseni Mundstock Dias (UFRJ)

Ritmos Biológicos: mais próximo da sua pesquisa que você imagina

Coordenadora: Fernanda Gaspar do Amaral (UNIFESP)

Aula 1- Análises Rítmicas na Pesquisa Experimental

Fernanda Gaspar do Amaral (UNIFESP)

Aula 2- Análises Rítmicas na Pesquisa Clínica
Maria Paz Hidalgo (UFRGS)

Aula 3- Discussão Guiada de Projetos - Onde Estão os Ritmos e Como Lidar Com Eles?

Maria Paz Hidalgo (UFRGS)

Avaliação cardiovascular: adequando o método à hipótese

Coordenadora: Luciana V. Rossoni (ICB- USP)

Aula 1- Avaliando a função cardíaca
Dalton Valentim Vassallo (UFES/ EMESCAM)

Aula 2- Avaliando a função vascular
Luciana Venturini Rossoni (ICB- USP)

Aula 3- Avaliando a efetividade dos protocolos de treinamento físico

Patrícia C. Brum (EEFE-USP)

How to make the most of optical microscopy

Coordenador: Manoel Luis Costa (UFRJ)

Aula 1- Identifying the major variables in optical microscopy

Manoel Luis Costa (UFRJ)

Aula 2- Choosing the best procedure for each inquiry in optical microscopy

João Ricardo Lacerda de Menezes (UFRJ)

Aula 3- Demonstration of the possibilities and limitations in optical microscopy and image processing

Manoel Luis Costa (UFRJ)

Modelagem animal: o que preciso fazer para ter resultados precisos

Coordenador: Marcel Frajblat (UFRJ)

Aula 1- Ciência e modelagem animal
Marcel Frajblat (UFRJ)

Aula 2- Fatores que afetam os resultados de uma pesquisa

Marcel Frajblat (UFRJ)

Aula 3- Dor e controle da dor em animais de laboratório

Marcel Frajblat (UFRJ)

Molecular pathways in cell death subroutines

Coordenadora: Giselle Zenker Justo (UNIFESP)

Aula 1- Overview of cell death: Regulated and accidental cell death; classification of cell death subroutines

Giselle Zenker Justo (UNIFESP)

Aula 2- Molecular pathways of major regulated cell death modalities.

Giselle Zenker Justo (UNIFESP)

Aula 3- Metabolic control of cell death.

Giselle Zenker Justo (UNIFESP)

Proteomics for everyone

Coordenador: Giuseppe Palmisano (ICB-USP)

Aula 1- Proteomics tools and applications to biology

Giuseppe Palmisano (ICB-USP)/ Jose Cesar Rosa (USP-RP)

Aula 2- Mass spectrometry and bioinformatics for protein identification and quantification

Giuseppe Palmisano (ICB-USP)/ Jose Cesar Rosa (USP-RP)

Aula 3- Identification of protein phosphorylation by proteomics approaches

Giuseppe Palmisano (ICB-USP)/ Jose Cesar Rosa (USP-RP)

20:00-21:00- Assembleia da FeSBE

11/09-Quarta-Feira

8:00-9:00 h- Curso I

Redação Científica: Artigos, Projetos e Ética

Coordenador: Walter Araujo Zin (UFRJ)

Aula 1- Redação de Artigo Científico

Walter Araujo Zin (UFRJ)

Aula 2- Ética na Redação e Publicação de um Artigo

Walter Araujo Zin (UFRJ)

Aula 3- Elaboração de Projeto de Pesquisa

Dalton Valentim Vassallo (UFES/ EMESCAM)

Revisiting the Physiology Teaching

Coordenadora: Maria Tereza Nunes (ICB- USP)

Aula 1- Who am I?" a game-based teaching tool to promote endocrine physiology learning

Maria Tereza Nunes (ICB- USP) e

João Kleber Neves Ramos (ICB- USP)

Aula 2- Dramatization in Physiology teaching: date to do different

Lucila Ludmila Paula Gutierrez (UFCSA)

Aula 3- Using arts to foster the learning of scientific concepts

Camilo Lellis-Santos (UNIFESP, Diadema – SP)

Imagens de Bases Moleculares

Coordenador: Valbert Nascimento Cardoso (UFMG)

Aula 1- Imagens cintilográficas (SPECT e PET)

Simone Odilia Antunes Fernandes (UFMG)

Aula 2- Nanoformulações para diagnóstico por imagens

Valbert Nascimento Cardoso (UFMG)

Aula 3- Nanoformulações para tratamento

Valbert Nascimento Cardoso (UFMG)

O Tecido muscular esquelético: da estrutura a aspectos adaptativos

Coordenador: Anselmo Moriscot (ICB- USP)

Aula 1- Aspectos estruturais do músculo estriado esquelético e correlações com função

Anselmo Moriscot (ICB- USP)

Aula 2- Mecanismos celulares e moleculares controladores da massa muscular esquelética

Luiz Carlos Navegantes (FMRP-USP)

Aula 3- Mecanismos celulares e moleculares envolvidos na resposta regenerativa muscular

Anselmo Moriscot (ICB- USP)

Canais para íons em membranas celulares

Coordenador: Antônio Carlos Cassola (ICB- USP)

Aula 1- Técnicas para a observação experimental de canais unitários: "Patch Clamp" e Análise de Ruído

Antônio Carlos Cassola (ICB- USP)

Aula 2 -Análise estocástica de canais unitários

Antônio Carlos Cassola (ICB- USP)

Aula 3- Topologia de canais para cátions assemelhados aos canais dependentes de voltagem

Antônio Carlos Cassola (ICB- USP)

Advanced tissue-based techniques in drug development, with emphasis on toxicologic pathology and safety pharmacology applications

Coordenador: Gilberto De Nucci (UNICAMP/USP)

Aula 1- Formalin-fixed paraffin-embedded (FFPE) tissue blocks/sections: review of molecular pathology techniques (relevance and limitations)

Frédéric Gervais (Citoxlab, France)

Aula 2- Advanced in situ hybridization techniques: RNAScope

Frédéric Gervais (Citoxlab, France)

Aula 3- Core techniques in the development of therapeutic oligonucleotides
Cécile Sobry (Citoxlab, France)

Bioimpressão 3D na Medicina Regenerativa

Coordenadora: Marimelia Porcionatto (UNIFESP)
Imprimindo tecidos e órgãos: biotintas e células
Marimelia Porcionatto (UNIFESP)
Bioimpressão 3D como ferramenta para recapitular o desenvolvimento e doenças
Marimelia Porcionatto (UNIFESP)
Desafios e Perspectivas da Bioimpressão 3D
Marimelia Porcionatto (UNIFESP)

9:30-11:30 h- Módulos Temáticos

Advances in muscle physiology

Chair: Flavia Bloise (UFRJ)
Skeletal muscle physiology during the nonthyroidal illness syndrome
Flavia Bloise (UFRJ)
Muscle mitochondrial function in a model of dystrophic mice
Claudia Mermelstein (UFRJ)
Oral presentation 1: TBD
Oral presentation 2: TBD

Mechanisms conditioning the beneficial effects of exercise in cardiovascular diseases

Chair: Lisete Compagno Michelini (ICB-USP)
Autonomic dysfunction in heart failure: Effects of exercise
Joseph Francis (Louisiana State University, USA)
Molecular mechanisms in the genesis of hypertension: Exercise benefits
Gustavo Santos Masson (ICB-USP)
Oral presentation 1: TBD
Oral presentation 2: TBD

Use of noise to mask color and luminance contrast

Chair: Eliza M. C. Brito Lacerda (CEUMA University)
Detection of luminance noise: influence of the stimulus parameters
Eliza M. C. Brito Lacerda (CEUMA University)
Color and luminance discrimination masked by luminance noise
Terezinha M. Gonçalves de Loureiro (UFPA)
Oral presentation 1: TBD

Oral presentation 2: TBD

New insights into thyroid hormones and TSH actions

Chair: Rodrigo Soares Fortunato (UFRJ)
Is there a role of TSH on thyroid and breast cancer?
Rodrigo Soares Fortunato (UFRJ)
Autocrine actions of thyroid hormone
Rafael Benjamin Araújo Dias (UNINOVE)
Oral presentation 1: TBD
Oral presentation 2: TBD

11:30-12:30 h- Conferência Plena I

The cholesterol war: fake news vs. scientific based evidences

Chair: Helena Coutinho F. Oliveira (UNICAMP)
Speaker: Eder C. R. Quintão (FMUSP)

14:00-16:00 h- Simpósios

Microenvironment and cell behavior

Chair: Patricia Gama (USP)
Mechanotransduction in tumor cells
Marcelo Lazzaron Lamers (UFRGS)
Hyperglycemic environment and cell behavior
Marinilce Fagundes dos Santos (ICB-USP)
Scaffolds and brain injury
Marimelia A Porcionatto (UNIFESP)

New aspects of endocrine disruptors

Chair: Maria Izabel Chiamolera (UNIFESP)
Experience with the European Commission for Endocrine Disruptors
Maria Tereza Nunes (ICB-USP)
Zebrafish as an alternative method for toxicity assessment of emerging environmental contaminants
Lilian Cristina Pereira (UNESP-Botucatu)
Endocrine disruptors and intrauterine programming of thyroid dysfunctions
Caroline Serrano do Nascimento (Hospital Albert Einstein)
Endocrine disruptors and the brain
Gisele Giannocco (UNIFESP-Diadema)

Purinergic Signaling in Development and Disease

Chair: Henning Ulrich (IQ-USP)

Ecto-5-nucleotidase/CD73 contributes to the radiosensitivity of bladder cancer cells
Ana Maria de Oliveira Battastini (UFRGS)
Purinergic signaling in sepsis-induced liver injury
Robson Coutinho-Silva (UFRJ)
Purinergic Signaling in the Developing Retina
Ana Lucia Marques Ventura (UFF)
Therapeutic effects of purinergic receptors in neurodegenerative diseases
Henning Ulrich (IQ-USP)

Inflammation-induced alterations of the neurovascular unit

Chair: Daniel Adesse (Fiocruz)
Microvessel alterations in *Toxoplasma gondii* infected-mice
Daniel Adesse (Fiocruz)
Alcohol exposure during gestation impairs endothelial-astrocyte interactions in the embryonic cerebral cortex
Joice Stipursky (UFRJ)
Zika virus hampers blood vessels development in a murine model of congenital infection
Patrícia Pestana Garcez (UFRJ)
The role of TLR4 in the microvascular cerebral dysfunction in a model of metabolic syndrome
Vanessa Estado (Fiocruz)

Why scientists should share their discoveries through different media not only by publishing papers?

Chair: Camilo de Lellis Santos (UNIFESP)
Science and Citizenship
Natália Pasternak (ICB-USP)
Podcasts, a simple way to connect scientists and public
Leandro A. Lobo (UFRJ)
Who's afraid of media exaggeration?
Carlos Orsi (Instituto Questão de Ciência)
Science in the media, science in the classrooms: the fight against misconceptions
Camilo de Lellis Santos (UNIFESP)

18:00-19:00 h- Conferências

Discussing the Relationship (DR): The bi-directional communication between tumor and stroma

Chair: Patricia Gama (ICB-USP)
Speaker: T. Christina Barja-Fidalgo (UERJ)

Melatonin as a Hormone: New Physiological and Clinical Insights

Chair: Fernanda Gaspar do Amaral (UNIFESP)
Speaker: José Cipolla Neto (ICB-USP)

Non-coding RNAs: pathophysiological role and clinical application in the cardiovascular system

Chair: Alice Cristina Rodrigues (ICB-USP)
Speaker: Da-Zhi Wang (Harvard Medical School)

9:30-11:30 h- Simpósios

Noncoding RNAs in health and disease

Chair: Alice Cristina Rodrigues (ICB-USP)

Modulation of Muscle Development and Disease by Noncoding RNAs

Da-Zhi Wang (Harvard Medical School)

Integration of Transcriptomics and MicroRNA

Analyses in Cancer Cachexia

Robson Francisco Carvalho (UNESP)

MicroRNAs mediate beneficial effects of exercise on the cardiovascular system

Edilamar Menezes de Oliveira (EEFE-USP)

Exosomal microRNAs as mediators of intertissue communication in obesity

Alice Cristina Rodrigues (ICB-USP)

Pathogenesis of Chagas Disease

Chair: João Santana da Silva (FMRP-USP)

The Yin-and-Yang of the immune response: keeping the balance to decrease the burden of Chagas heart disease

Walderez O. Dutra (UFMG)

Consequences of controlling inflammation during Trypanosoma cruzi infection

Fabiana Simão Machado (UFMG)

The involvement of lipid kinases in the pathogenesis of Trypanosoma cruzi infection

Maria Claudia Silva (FMRP-USP)

Omics analysis in Chagas disease cardiomyopathy: a mitochondrial disease?

Edecio Cunha Neto (USP)

Content versus process in modern cell biology teaching

Chair: Manoel Luis Costa (UFRJ)

On the basic concepts in cell biology

Manoel Luis Costa (UFRJ)

On the impact of technology in biology teaching methodologies

Miriam Struchiner (UFRJ)

The impact of recent process in cell biology teaching

Mauricio Roberto Pinto da Luz (Fiocruz)

Survey of major topics in cell biology

Claudia Mermelstein (UFRJ)

Influence of microenvironment on tumor development

Chair: João Alfredo de Moraes (UFRJ)

Clues from the tumor-derived extracellular matrix to neighbor cells in the microenvironment

Christina Barja-Fidalgo (UERJ)

Neutrophil extracellular traps (NETs) as mediators of tumor progression

Robson de Queiroz Monteiro (UFRJ)

Adipose tissue derived extracellular vesicles modify tumoral cells behavior

Mariana Renovato Martins (UFF)

Effect of melanoma extracellular vesicles on neutrophil polarization

João Alfredo de Moraes (UFRJ)

Immunomodulators and intestinal homeostasis

Chair: Valbert Nascimento Cardoso (UFMG)

Probiotic Bacteriophages- A novel strategy to control infection and inflammation.

Luis Ricardo Goulart (UFU)

Use of lactic acid bacteria genetically modified as immunomodulators to promote intestinal homeostasis

Vasco Ariston Carvalho de Azevedo (UFMG)

Lipids as immunomodulatory agents

Tatiani Uceli Maioli (UFMG)

12/09- 11:30-12:30 h- Conferência Plena II

Pericytes at the intersection between tissue regeneration and pathology

Chair: Valbert Nascimento Cardoso (UFMG)

Speaker: Alexander Birbrair (UFMG)

12:30-14:00 h-Intervalo do Almoço

12:30- 13:30- Palestra Sinapse

Como melhorar seu protocolo de purificação de proteínas

Chaie:Fellipe Bronze-Assessor Científico da Sinapse Biotecnologia LTDA.

Resumo: Melhorias significativas podem ser alcançadas em seu fluxo de trabalho de purificação de proteínas com pequenas mudanças ou novas tecnologias. Nesta apresentação, compartilharemos sugestões para a cromatografia de sucesso e como os sistemas ÄKTATM, com suas novas aplicações, e as nossas modernas resinas podem ajudar a obter o melhor de sua purificação de proteínas.

14:00-16:00 h- Simpósios

Risks to the environmental and health due to the uranium mining in Brazil

Chair: Silvia Maria Velasques de Oliveira (SBBN)

Nuclear fuel cycle in Brazil

Aquilino Senra (COPPE/UFRJ)

Biological effects of chronic exposures in the neighborhood of nuclear fuel cycle facilities

Carlos Eduardo Brandão (UNIRIO / UFRJ)

Immunology in health and disease

Chair: Marcelo T. Bozza (UFRJ)

Regulation of CD8 T cell differentiation and function by Polycomb group (PcG) proteins during acute and chronic infections

Renata Pereira (UFRJ)

Mucosal inflammation: quantitative vs. qualitative aspects of Treg cell imbalance

Fabio Barrozo do Canto (UFF)

Immunological scarring: understanding chronic effects of acute infections

Denise Moraes da Fonseca (USP)

Combining in vivo imaging and high dimensional phenotyping to understand immune and metabolic development during life

Gustavo Batista de Menezes (UFMG)

Renin, angiotensins, bradykinin, noradrenaline, acetylations and oxidative stress: friends or foes in cardiorenal syndromes? In honor to the memory of Margarida de Mello Aires

Chair: Adalberto Vieyra (UFRJ)

Cardiorenal syndrome: the long road from kidney to heart

Marcela Sorelli Carneiro Ramos (UFABC)

Novel role of bradykinin and B2-receptors: regulation of collecting duct renin

Lucienne da Silva Lara (UFRJ)

The role of oxidative stress in the renal alterations underlying the onset of hypertension

programmed by intrauterine undernutrition

Leucio Duarte Vieira (UFPE)

Renin-angiotensin system and acetylations: key elements in the cardiorenal alterations provoked by undernutrition and obesity

Humberto Muzi Filho (UFRJ)

Regulation of muscle mass: cellular and molecular aspects

Chair: Claudia Mermelstein (UFRJ)

Calcium and calpain in muscle dystrophy

Claudia Mermelstein (UFRJ)

Role of miR-29 family in skeletal muscle mass control

Anselmo Moriscot (ICB-USP)

Does insulin/IGF-1 signaling mediate the effects of beta2-adrenergic agonists on skeletal muscle remodeling and function?

Dawit A. Gonçalves (EEFFTO-UFMG)

The role of extracellular matrix during myoblast migration

Ingo Riederer (FIOCRUZ)

Photobiomodulation and its applications

Chair: Marucia Chacur (ICB-USP)

Application of photobiomodulation in different animal models.

Marucia Chacur (ICB-USP)

Effect of photobiomodulation in different models of orofacial pain

Daniel de Oliveira Martins (ICB-USP)

Is there room for the use of photobiomodulation in the treatment of pain in medicine?

Hazem A. Ashmawi (FMUSP)

Light to treat pain: biophysics of the mechanisms of action and how to perform clinical and experimental procedures

Marcelo Victor P de Sousa (Bright Photomedicine)

Photobiomodulation Therapy as a tool to improve the quality of life in patients in different types of pain

Nathali Cordeiro Pinto (FMUSP)

16:00-18:00 h- Painéis III / Coffee break nos estandes

18:00-19:00 h- Conferências

Environmental remediation in uranium mining and naturally occurring radioactive material waste

Chair: Silvia Maria Velasques de Oliveira (SBBN)

Speaker: Horst Monken-Fernandes (International Atomic Energy Agency-IAEA)

Aerobic exercise training as therapy for skeletal myopathy: relevance to heart failure and cancer

Chair: Ana Paula C. Davel (UNICAMP)

Speaker: Patricia C. Brum (EEFE-USP)

The Immune-Pineal Axis - a

chronopharmacological approach for integrating the timing in Physiology and Pathology

Chair: André Sampaio Pupo (UNESP)

Speaker: Regina P. Markus (USP)

13/09-Sexta Feira

09:30- 11:30- Simpósio, Módulos Temáticos e Prêmios

A tribute to Margarida de Mello Aires, the leading lady of renal physiology

Chair: Maria Oliveira de Souza – ICB/ USP

Small extracellular vesicles and kidney disease models: a tribute to the leading lady of renal physiology

Prof. Adalberto Vieyra - IBCCF & CENABIO/ UFRJ

Everything started in the kidney... but ended in the heart... A trajectory through the Renin-Angiotensin System

Maria Luiza Barreto Chaves – ICB/ USP

Glucose - an energetic substrate that modifies proximal reabsorption and, in excess, impairs renal function and promotes fetal programming

Guiomar Nascimento Gomes - UNIFESP

Margarida de Mello Aires: Physiologist, scientist, teacher and friend

Maria Oliveira de Souza – ICB/ USP and Gerhard Malnic – ICB/ USP

New approaches in animal vision research

Chair: Leonardo Dutra Henriques (USP)

Evaluation of New World monkeys color vision with an adaptation of Cambridge Colour Test

Leonardo Dutra Henriques (USP)

Suprathreshold chromatic discrimination in tufted capuchin monkeys (*Sapajus apella*)

Leticia Miquilini de Arruda Farias (UFPA)

Oral presentation 1: TBD

Oral presentation 2: TBD

Development, aging and cell functions

Chair: Patricia Gama (ICB-USP)

Development, diet and hepatic functions

Gustavo Batista de Menezes (UFMG)

Breastfeeding and the priming of gastric cell functions

Patricia Gama (ICB-USP)

Oral presentation 1: TBD

Oral presentation 2: TBD

Prêmio BRAVO

Prêmio SBEM

11:30 -13:30- Cerimônia, Conferência de encerramento e Premiações