

## SCIENTIFIC PROGRAM

### II International Symposium on Biological Sciences (II ISBS)

Hybrid Event (June 5-7, 2024)

**Locations:**

- *Anfiteatro do Instituto de Ciências Biológicas 1 (ICB 1)*

Universidade Federal de Goiás Campus Samambaia

Av. Esperança, s/n - Vila Itatiaia, Goiânia - GO, 74690-612

- *YouTube Channel* - <https://www.youtube.com/@isbsufg>

**WEDNESDAY, JUNE 5<sup>th</sup>, 2024, 8:00 AM - 5:00 PM**

**08:00 am - 8:20 am Opening Session**

**Presenters:**

President of the Organizing Committee - Dr. Paulo César Ghedini

Coordination of the Graduate Program in Biological Sciences (PPGCB) (Dr. Manoel Francisco Biancardi and Dr. Carlos Henrique de Castro)

**Oral Presentations (face-to-face lectures)**

**Presenters:** Students of the PPGCB

**Chairs:** Dr. James Oluwagbamigbe Fajemiroye and Dr. Karla de Aleluia Batista, Graduate Program in Biological Sciences, Federal University of Goiás, Brazil

08:20 am - 08:40 am - Angie Marcela Silva Samboní

*In silico, enzymatic and molecular characterization of laccases from the phytopathogenic fungus *Sclerotinia sclerotiorum*. (face-to-face lecture)*

08:40 am - 9:00 am - Cecilia Luvizutti Ferreira da Silva

*Characterization of common bean diversity for conservation and breeding management. (face-to-face lecture)*

9:00 am - 09:20 am - Isabela Cristina de Oliveira dos Santos

*Rapid molecular tests using the LAMP technique: new possibilities for the detection of systemic mycoses.* (face-to-face lecture)

09:20 am - 09:40 am - Isac Cardoso dos Santos

*Effects of central and peripheral injection of LEAP2 on panic-related behaviors and thermogenesis in rats: involvement of catecholaminergic pathways.* (face-to-face lecture)

09:40 am - 10:00 am - Luiz Henrique Alves Costa

*Studies of angiotensin-converting enzymes (ACE and ACE2) in the prognosis of COVID-19.* (face-to-face lecture)

**10:00 am - 10:20 am – Coffee break**

10:20 am - 10:40 am - Abel Vieira de Melo Bisneto

*Dioclea violacea lectin inhibits tumorigenesis and tumor angiogenesis in vivo.* (face-to-face lecture)

10:40 am - 11:00 am - Jomal Rodrigues Barbosa Filho

*Trichoderma Genome Evolution: How did introns shape the different lifestyles and gene expression regulation in the genus?* (Virtual Lecture)

11:00: pm - 11:20 pm - João Batista Rodrigues Dutra

*Effect of para-aminobenzamidine on the development of gestational cardiac hypertrophy and cardiovascular alterations in normotensive and hypertensive rat Offspring.* (face-to-face lecture)

11:20 am - 11:40 am – Nathallya Machado Alves Araújo

*Effects of acute and subchronic exposure to the agrochemical glyphosate.* (face-to-face lecture)

11:40 am - 12:00 am - Hudson Emanuel Matos dos Santos

*Postnatal development of the mammary gland of Mongolian gerbiles: morphophysiological aspects.* (face-to-face lecture)

**12:00 am to 2:00 pm – Lunch**

### **Oral presentations**

**Presenters:** Students of the PPGCB

**Chairs:** Dr. Carlos Henrique Xavier Custódio and Dr. Rosana Pereira Vianello, Graduate Program in Biological Sciences, Federal University of Goiás, Brazil

02:00 pm - 02:20 pm - Isadora Garcia Fernandes

*Evaluation of the effects of aspartate-arginine dipeptide on the ventral prostate of spontaneously hypertensive rats.* (face-to-face lecture)

02:20 pm - 02:40 pm - Lucas da Silva Bento

*Evaluation of the effects of progesterone on the dorsolateral prostate of SHR rats treated with testosterone.* (face-to-face lecture)

02:40 pm - 03:00 pm - Max Vinícius Malmann Medeiros

*Evaluation of developmental marker profile during prostatic organogenesis in spontaneously hypertensive rats (SHR).* (face-to-face lecture)

03:00 pm - 03:20 pm - Bárbara Costa Malmann Medeiros

*Evaluation of estradiol in the induction of prostate cancer in SHR rats and the effects of the association with Naringenin.* (face-to-face lecture)

03:20: pm - 03:40 pm - Rafaela Alves Ribeiro

*Identification of genes inversely regulated by amino acids and IGF1 in fish muscle cells.* (face-to-face lecture)

**03:40: pm - 04:00 pm– Coffee break**

04:00 pm - 04:20 pm - Pâmela Yasmin de Oliveira Ferreira

*Association of exposure to aluminum chloride (AlCl<sub>3</sub>) on behavioral and biochemical parameters in male Swiss mice.* (face-to-face lecture)

04:20: pm - 04:40 pm - Ivana Neres Diamantino

*Analysis of the effect of cadmium on the splicing process in Trichoderma harzianum.*  
(face-to-face lecture)

**THURSDAY, JUNE 6<sup>th</sup>, 2024, 8:00 AM - 6:30 PM**

### **Oral Presentations**

**Presenters:** Students of the PPGCB

**Chairs:** Dr. Bruno Oliveria da Silva Duran and Dr. Carlos Henrique de Castro,  
Graduate Program in Biological Sciences, Federal University of Goiás, Brazil

08:00 am - 08:20 am - Luciana Silva Rocha Contim

*Design, synthesis and characterization of new lead compounds from amiloride.* (virtual lecture)

08:20 am - 08:40 am - Carolina Marinho Teixeira

*Design, synthesis and characterization of a new lead compound from solriamfetol.*  
(face-to-face lecture)

08:40 am - 9:00 am - Eduardo Rosa da Silva

*Analysis of the neurorepair potential of sarcosine in the focal cerebral ischemia model.*  
(face-to-face lecture)

9:00 am - 09:20 am - Júlia Coelho Masiero

*Effects of cigarette consumption on the telomere length of human spermatozoa.* (face-to-face lecture)

09:20 am - 09:40 am - Júlia Cristina Lucio da Cunha

*Evaluation of the effect of BD-15 in a neurosphere model to study Alternating Hemiplegia of Childhood (AHC).* (face-to-face lecture)

09:40 am - 10:00 am - Júlio Cesar Gonzaga da Silva

*Planning, synthesis, and antibacterial activity of triazine compounds.* (face-to-face lecture)

**10:00 am - 10:20 am – Coffee break**

10:20 am - 10:40 am - Mariana dos Santos Quaresma

*Synthesis of drug candidates designed from rilematovir with targeting activity against human respiratory syncytial virus.* (face-to-face lecture)

10:40 am - 11:00 am - Nkaa Uchenna

*Comparative neuroprotective effect of chrysin and its two glycosylated derivatives compounds.* (face-to-face lecture)

11:00: am - 11:20 am - Ingredy Paula de Morais Garcia

*Assessment of functional capacity and sleep disorders in patients with epilepsy attended at the Hospital das Clínicas of Goiana city.* (face-to-face lecture)

11:20 am - 11:40 am - Gabriel Gomes Araujo

*Vascular function and rheological parameters in the progression of cutaneous leishmaniasis in rats.* (Virtual Lecture)

11:40 am - 12:00 am - Hericles Mesquita Campos

*Evaluation of the in vitro neuroprotective activity of synthetic molecules with an antioxidant profile.* (face-to-face lecture)

**12:00 am to 2:00 pm - Lunch**

**Chair:** Dr. Paulo César Ghedini, Graduate Program in Biological Sciences, Federal University of Goiás, Brazil

**2:00 pm - 2:50 pm**

**Theme:** Neuroprotection by Drugs and Nutraceuticals

**Speaker:** Dr. Andrea Tarozzi, Department for Life Quality Studies, Alma Mater Studiorum - University of Bologna, Rimini, Italy (face-to-face lecture)

**2:50 pm – 3:20 pm Coffee break**

**Chair:** Dr. Ellen Cristina Rivas Leonel, Graduate Program in Biological Sciences, Federal University of Goiás, Brazil

**3:20 pm - 4:10 pm**

**Theme:** Strategies to restore fertility in leukemia patients

**Speaker:** Dr. Christiani A. Amorim, Catholic University of Louvain, Brussels, Belgium (Virtual lecture).

**Chair:** Dr. Rodrigo Mello Gomes, Graduate Program in Biological Sciences, Federal University of Goiás, Brazil

**4:10 pm - 5:00 pm**

**Theme:** Dysregulation of adipose tissue neuroendocrine mechanism in obesity

**Speaker:** Dr. Paulo Nuno Centeio Matafome, University of Coimbra, Portugal (Virtual lecture).

**5:00 pm - 7:00 pm - Poster session**

**FRIDAY, JUNE 07, 2024, 9:00 AM - 4:30 PM**

**Chair:** Dr. Ellen Cristina Rivas Leonel, Graduate Program in Biological Sciences, Federal University of Goiás, Brazil

**9:00 am - 9:50 am**

**Theme:** Human ovaries and endocrine disruptors

**Speaker:** Dr. Ilari Tarvainen, Division of Obstetrics and Gynecology | Department of Clinical Science, Intervention and Technology | Karolinska Institutet, Sweden (virtual lecture)

**9:50 am – 10:20 am - Coffee break**

**Chair:** Dr. Fernanda Regina Casagrande Giachini Vitorino, Graduate Program in Biological Sciences, Federal University of Mato Grosso, Brazil

**10:20 am - 11:10 am**

**Theme:** Piezo receptors: new targets to treat erectile dysfunction?

**Speaker:** Dr. R. Clinton Webb - University of South Caroline, USA (virtual lecture)

**Chair:** Dr. Bruno Oliveria da Silva Duran, Graduate Program in Biological Sciences, Federal University of Goias, Brazil

**11:10 am - 12:00 am**

**Theme:** The ncRNAs transcriptomic regulation in fish.

**Speaker:** Dr. Daniel Garcia de la Serrana, Department of Cell Biology, Physiology and Immunology, School of Biology, University of Barcelona, Spain (virtual lecture)

**12:00 am to 2:00 pm - Lunch**

**Chair:** Dr. Aline Priscila Pansani, Graduate Program in Biological Sciences, Federal University of Goias, Brazil

**2:00 pm – 2:50 pm**

**Theme:** Sudden death in epilepsy: Role of serotonin neuron dysfunction

**Speaker:** Dr. George Richerson, University of Iowa, USA (face-to-face lecture)

**2:50 pm – 3:20 pm Coffee break**

**3:20 pm - 4:30 pm**

**Roundtable "Postgraduate Education in Brazil and Worldwide: Differences and Similarities"**

**Chairs:** Dr. Fernanda Regina Casagrande Giachini Vitorino and Dr. Ellen Cristina Rivas Leonel, Graduate Program in Biological Sciences - Federal University of Mato Grosso and Federal University of Goias, Brazil

**Presenters:**

Dr. Saba Nikanfar (postdoc UCLouvain, Belgium). (Virtual lecture)

Dr. Rinaldo Rodrigues dos Passos Jr. (PostDoc University of South Carolina, EUA). (Virtual lecture)

Dr. Ichipi-Ifukor Patrick Chukwuyenum (PhD Scholar, Department of Biochemistry, Faculty of Science, Delta State University, Abraka Nigeria). (Virtual lecture)

**4:30 pm - 5:00 pm – Closing Session**

**Presenters:**

President of the Organizing Committee - Prof. Paulo César Ghedini

Coordination of the Graduate Program in Biological Sciences (PPGCB) (Prof. Manoel Francisco Biancardi and Prof. Carlos Henrique de Castro)