

# Cleverson de Sousa Lima

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## EDUCATION

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University of Cidade de São Paulo  
Bachelor of Sciences  
Major: Biology

São Paulo, Brazil  
12/2019  
GPA 3.22

## RESEARCH EXPERIENCE

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### The Thermal Tolerance Regulation of Leaf-cutting Ants

Department of Physiology, Institute of Biosciences, University of São Paulo

11/2018 – 11/2019

- I evaluated how physiological, environmental, and methodological factors (e.g., body size, dehydration, time of exposure, and heating rate) influence leaf-cutting ants' tolerance to high temperatures in order to understand how these animals integrate physiological and behavioral cues to cope with challenges posed by Climate Change.

**Funder:** Fundação de Amparo à Pesquisa do Estado de São Paulo – FAPESP (2018/15664-5).

### A Method to Evaluate Leaf-Cutting Ants' Thermal Tolerance

Department of Physiology, Institute of Biosciences, University of São Paulo

08/2017 – 08/2018

- I designed and assembled a device and a method to measure small arthropods tolerance to high temperatures.

## PROFESSIONAL EXPERIENCE

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### Environment education instructor

BichoEduca

- Function: instruct the elderly and children on venomous animals and biomes and ecosystems.

08/2018 – 12/2018  
Atibaia, São Paulo, Brazil

## PRESENTATIONS

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### Title: How leaf cutting ants cope with climate changes? Behavioral and physiological evidences

27<sup>o</sup> International Symposium of Scientific and Technologic Initiation of University of São Paulo (Poster Presentation)

09/2019  
São Paulo, Brazil

### Title: Factors Affecting Heat Tolerance in Leaf Cutting Ants.

8th International Symposium on the Environmental Physiology of Ectotherms and Plants (Poster Presentation)

07/2019  
Buenos Aires, Argentina

### Title: A method to evaluate how small arthropods behaviorally adjust their physiological constraints to temperature rises

Organism-Environment Interactions: Timing, Plasticity and Metabolic Adjustments (Poster Presentation)

02/2018  
São Paulo, Brazil

## GRANTS

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FAPESP Scientific Initiation Grant • Fundação de Amparo à Pesquisa do Estado de São Paulo (2018/15664-5, R\$ 9.200,00).

2018 – 2019

IQC Travel Assistantship • Instituto Questão de Ciência (R\$ 10.000,00).

2020

## AWARDS & HONORS

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Student and Young Scientist Award • Sable Systems International

2019

Honorable Mention • 27th USP International Symposium of Undergraduate Research

2019

## OUTREACH ACTIVITIES

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### Talk: From scientific initiation to post-graduation: what is my place in the world of science?

Biology Week of the University of Cidade de São Paulo

10/2019  
São Paulo, Brazil