

# Luiz Paulo Chaves de Souza

University of São Paulo

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## EDUCATION

### **University of Uberlândia, MG**

- B.Sc. Biomedical Sciences 2016-2020

### **University of São Paulo, SP**

- M.Sc. Biology (Genetics) Current

## RESEARCH INTEREST

Discover the role of stemness and epithelial-to-mesenchymal transition in immune evasion evoked by *PTEN* loss and *TMPRSS2-ERG* fusion in prostate cancer

## RESEARCH EXPERIENCE

### **University of Uberlândia, MG, 2019**

### **Scientific Internship**

**Project:** General Anesthetic activity of menthol: evaluation of inhibition of cardiovascular autonomous response

Result: Menthol induces hypnosis and a minor but not persistent inhibition of cardiovascular autonomous reflex, therefore it shall not be used as a general anesthetic but could have synergic affect with other well known anesthetics.

1. Handle Wistar Rats and administer drugs intraperitoneally
2. Surgically insert cannulas in the femoral artery
3. Observe and take notes on cardiovascular registry

### **University of São Paulo, SP, 2020**

### **Scientific Internship**

**Project:** The relation between PTEN and ZEB1 and their impact in the TME

Result: In spite of their opposite role in the TME, PTEN and ZEB1 have a positively correlated expression. These suggests that ZEB1 has but a minor role in mediating PTEN loss outcomes. However, ZEB1 expression in addition to PTEN loss may potentiate its outcomes.

1. Analyze immunohistochemistry tissue microarray with different stainings
2. Develop bioinformatics analysis from public expression data from prostate cancer samples

### **University of São Paulo, SP, actual**

### **Master's project**

**Project:** Does ZEB1 cooperate with PTEN loss and TMPRSS2-ERG fusion in prostate cancer immune evasion?

1. Develop bioinformatics analysis from public expression data from prostate cancer samples

2. Work in the whole process of sequencing of prostate cancer samples
3. Help with flow cytometry analysis

### CONFERENCE PRESENTATIONS

**CHAVES-DE-SOUZA**, L. P.; MILAN-ALVES, J.; SIVIERI-JR, D.O.; FERREIRA-NETO, M.L.; BISPO-DA-SILVA, L. B. Menthol effect in vascular autonomous reflex. In: II Congresso Mineiro de Biomedicina (Poster Presentation), 2019.

**CHAVES-DE-SOUZA**, L. P.; COSTA, P. Technical visit: Transfusion agency HCU-UFU. In: I Ciclo Biomédico: Hematologia e Hemoterapia, 2019.

**CHAVES-DE-SOUZA**, L. P. How does federal university of Uberlândia Works? In: I Ciclo de Palestras: Desvendando a vida acadêmica (Lecture), 2019.

### AWARDS AND HONOURS

3<sup>rd</sup> best poster presentation in the graduation students category. **University of Minas Gerais.**  
2019

### GRANTS

CNPq, Scientific Initiation, R\$4.800,00 2018

CAPES, Masters Scholarship, R\$36.000 Current

### TEACHING AND MENTORING EXPERIENCE

Mentor in biochemistry, **Federal University of Uberlândia**, 2017

1. Mentored a class of undergraduate students in the subject of cellular biochemistry for 1 semester
2. Content review after each class and before each test

### SKILLS

1. Handling rodents
2. Immunohistochemistry evaluation
3. Bioinformatics analysis and learning
4. Group working
5. Oral presentation and discussion

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## Education

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- Graduated on Pharmacy-biochemistry by School of Pharmaceutical Sciences of Ribeirão Preto , University of São Paulo since 20XX.

## RESEARCH EXPERIENCE

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- **2011-2012 - Cientific Initiation on Pharmaceutical Services and Clinical Pharmacy Research Center.**
  - Execution of the research entitled "Analysis of the management of Diabetes *mellitus* type 2 from patients followed by a Pharmaceutical Care service between 2006 and 2007 in a District Basic Unit of Health from city of Ribeirão Preto".
  - Present the research "Analysis of the management of Diabetes *mellitus* type 2 from patients followed by a Pharmaceutical Care service between 2006 and 2007 in a District Basic Unit of Health from city of Ribeirão Preto" in the International Cientific Initiation from University of São Paulo.
- **2012 – A cientific internship Pharmaceutical Services and Clinical Pharmacy Research Center.**
  - Follow the research works developed by Pharmaceutical Services and Clinical Pharmacy Research Center.
  - Preparation and presentation of a class about Tuberculosis for the Clinical Pharmacy subject from School of Pharmaceutical Sciences of Ribeirão Preto.
  - Submission of the article "Study about the impactti of Pharmaceutical Care on the health of people with diagnoses of Diabetes mellitus type 2 after the pharmaceutical discharge"
  - Participation on cientific meetings from PSCPRC.

## HONORS AND AWARDS

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- Best athlete from athletics three years consecutive (2009, 2010, 2011) from XX of January Academics Association Athlete (XXJAAA).
- Best athlete from swimming on 2013 from XX of January Academics Association Athlete.

## UNIVERSITY SERVICE

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- **Member of XX of January Academics Athlete Association (XXJAAA) from School of Pharmaceutical Science of Ribeirão Preto.**
  - Period 2008-2009 – Collaborator.
  - Gestão 2009-2011 – Football director.
  - Gestão 2011-2012 – Counsellor.

In XXJAAA, I made and organized all the structurer of football training, like the hiring of a coach, buying of training materials. I also help this association in the organization of universities championships.
- Athlete of School of Pharmaceutical Science of Ribeirão Preto in the modalities like football, handball, swimming, athletics.
- Founder and the first management of Pharmaceutical Care and Clinical Pharmacy League from School of Pharmaceutical Science of Ribeirão Preto (2010-2011).
- Member of Pharmaceutical Rounds (2012).

- Member of Welfare Program Culture-social of the Pharmaceutical Students (2008-2009).

## CONFERENCE PRESENTATIONS

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- **Oral Presentations**

Xxxxxxx, L.B. (2013, September). Diabetes mellitus. Lecture at Ribeirão Preto's of Teaching, Research and Assistance for the Hypertension (RPTRAH), Ribeirão Preto, São Paulo.

Xxxxxxx, L.B. (2015, May). Society Medicalization. Symposium at Universities Integrated from São Paulo' State (UNISPS), Taquaritinga, São Paulo.

- **Poster Presentation**

Xxxxxxx, L.B.; Guidoni, C.M.; Borges, A.P.S.; Xxxxxxx, L.R.L. (2012, October). Analysis of the management of Diabetes *mellitus* type 2 from patients followed by a Pharmaceutical Care service between 2006 and 2007 in a District Basic Unit of Health from city of Ribeirão Preto. Poster session presented at International Symposium of Cientific Initiation from University of São Paulo, Ribeirão Preto, São Paulo.

Xxxxxxx, L.B.; Xxxxxxx; L.R.L. (2015, September). Evaluation of Antimicrobial Prescriptions from Inpatients in a High Complexity Hospital. Poster session presented at V Pharmaceutical Sciences Workshop, Ribeirão Preto, São Paulo.

## TEACHING AND MENTORING EXPERIENCE

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- **Mentoring the Course of Capacitation in Dispensing Drugs (2015 - Present).**
  - Prepare and promote reflections to be discussed with and between the students.
  - Conduct the students on development of learning the subject.
  - To correct and grade the tests done by the students.