

# Ana Carolina Bastos Sant'Anna Silva

Curriculum Vitae

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## Personal Information

<b>Full name</b>	Ana Carolina Bastos Sant'Anna Silva
<b>Parental information</b>	Sérgio Luis de Almeida Silva and Zaneti Bastos Sant'Anna Silva
<b>Birth information</b>	28/07/1990 - Niterói/RJ - Brazil
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## Formal Education

### **2014 – 2017** Master's Degree in Biological Chemistry

Title: Tumor heterogeneity: understanding the main metabolic processes responsible for the development of human tongue squamous cell carcinoma tumor progression.  
Institute of Medical Biochemistry Leopoldo De Meis, Federal University of Rio de Janeiro.

Advisor: Franklin David Rumjanek

Scholarship from: Conselho Nacional de Desenvolvimento Científico e Tecnológico

### **2009 – 2014** Graduation in Ciências Biológicas.

Title: Effects induced by N-Acetyl Cysteine and menadione in lineages of tumor progression of human squamous cell carcinoma.

Institute of Medical Biochemistry Leopoldo De Meis, Federal University of Rio de Janeiro.

Advisor: Franklin David Rumjanek

Scholarship from : Conselho Nacional de Desenvolvimento Científico e Tecnológico

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## Scientific Initiation

**2012 – 2014** Laboratory of Biochemistry and Molecular Biology of Cancer (Institute of Medical Biochemistry Leopoldo De Meis - UFRJ). Experience with cell culture, biochemistry techniques and molecular biology of tumor cells.

**2012 (6 months)** Laboratory of Immunophysiology (Institute of Biophysics - UFRJ). Manipulation of in vivo study models and immunology.

**2011** Laboratory of Molecular Parasitology (Institute of Biophysics - UFRJ). Manipulation of in vivo study models and molecular biology.

**2010 (7 months)** Laboratory of Cellular and Molecular Neurobiology (Institute of Biophysics - UFRJ). Manipulation of study models in vivo and immunofluorescence.

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## Areas of Expertise

1. Biochemistry
2. Tumor metabolism
3. Tumor Biology
4. Genetics

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## Languages

**English** Understanding Fluent , Speaking Fluent , Writing Fluent , Reading Fluent

**Français** Understanding Basic , Speaking Basic , Writing Basic , Reading Basic

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## Awards

**2013** Best Work Project, XXXV Scientific Initiation Journey Giulio Massarani UFRJ

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## S, T & A Production

### Presentations in Events

1. **SILVA, A. C. B. S.; RUMJANEK, F. D.**  
**Heterogeneidade tumoral: entendendo os processos metabólicos importantes para o desenvolvimento da progressão tumoral do carcinoma espinocelular de língua**, 2016. (Conference or lecture, Presentations in Events)

2. OLIVEIRA, F. A.; **SILVA, A. C. B. S.**; MENDONCA, B. S.; VALENCIA, J. A. P.; AGOSTINI, M.; CESARI, I. M.; RUMJANEK, F. D.  
**STUDIES OF THE EFFECTS OF URSOLIC ACID AND METHYL JASMONATE ON PROLIFERATION AND ENERGY METABOLISM ON HUMAN TONGUE SQUAMOUS CARCINOMA CELL LINES**, 2016. (Symposium,Presentations in Events)
3. **SILVA, A. C. B. S.**; COSTA, G. S.; CAMPOS, S.; VALENCIA, J. A. P.; AGOSTINI, M.; RUMJANEK, F. D.  
**Tumor heterogeneity: understanding the main metabolic processes responsible for the development of human tongue squamous cell carcinoma tumor progression**, 2016. (Symposium,Presentations in Events)
4. **SILVA, A. C. B. S.**; VALENCIA, J. A. P.; RODRIGUES, M. F.; CESARI, I. M.; AGOSTINI, M.; RUMJANEK, F. D.  
**Estudos sobre fisiologia mitocondrial e metabolismo energético em linhagens de progressão tumoral de carcinoma espinocelular de língua humano**, 2015. (Symposium,Presentations in Events)
5. **SILVA, A. C. B. S.**; CARVALHO, E.; RUMJANEK, F. D.  
**Efeitos Induzidos por N-Acetil Cisteína e menadiona em linhagens de progressão tumoral de carcinoma espinocelular de língua humano.**, 2014. (Other,Presentations in Events)
6. **SILVA, A. C. B. S.**; CARVALHO, E.; RUMJANEK, F. D.; ROBBS, B. K.; VIOLA, J.  
**Efeitos da Superexpressão de c-Myc T58A na Transformação e no Metabolismo de Células Imortalizadas de Pulmão.**, 2013. (Other,Presentations in Events)

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## Supervision and Mentoring

### Ongoing

### Conclusion Project of Graduation Degree

1. Felipe de Azevedo Oliveira. **Estudo dos efeitos do ácido ursólico e metil jasmonato na proliferação e metabolismo energético em linhagens da progressão do carcinoma espinocelular de língua humano**. 2016. Curso (Ciências Biológicas: Modalidade Médica) - Universidade Federal do Rio de Janeiro

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## Participations in Events

### 3rd Biophysics Summer Course: Molecular and Cellular Biology UFRJ, 2016 (Conference)

Tumor heterogeneity: understanding the main metabolic processes responsible for the development of human tongue squamous cell carcinoma tumor progression.

**X Oncobiology Symposium UFRJ, 2016 (Oral presentation / Poster)**

Tumor heterogeneity: understanding the main metabolic processes responsible for the development of human tongue squamous cell carcinoma tumor progression

**IX Oncobiology Symposium UFRJ, 2015 (Oral presentation / Poster)**

Mitochondrial physiology and membrane potential in lineages of tumor progression of human squamous cell carcinoma.

**VIII Oncobiology Symposium UFRJ, 2014 (Oral presentation / Poster)**

Effects induced by N-Acetyl Cysteine and menadione in lineages of tumor progression of human squamous cell carcinoma.

**XXXV Scientific Initiation Journey Giulio Massarani UFRJ, 2013 (Oral presentation / Poster)**

Study of effects in transformation and metabolism occasioned by overexpression of c-Myc T58A in non-transformed lung fibroblasts (awarded)

**XIV Biosemana UFRJ, 2010. (Symposium)**

**XIII Biosemana UFRJ, 2009. (Symposium)**