



## Patricia Gonzaga Paulino

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📍 **Address :** (Brazil)

### WORK EXPERIENCE

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#### Academic internship (Volunteer)

*Hygiene and Tropical Medicine Institute, IHMT* [ 2017 – 2018 ]

**City:** Lisbon

**Country:** Portugal

Scientific training at the Vector Biology Laboratory supervised by Prof. Ana Domingos. Duration: 1 month (September 2019)

Developed skills: NGS data analysis and interpretation

#### Participation as an examiner of the Thesis Defence Committee.

*Universidade Federal Rural do Rio de Janeiro* [ 2018 – 2018 ]

**City:** Seropedica

**Country:** Brazil

Candidate of Bachelor degree in Biological Science at Rural Federal University of Rio de Janeiro: Rafaela Souza Abdo Elias.

Bachelor Thesis entitled: "A importância biológica e veterinária do protozoário *Hepatozoon* spp."

#### Guest speaker in the course "Fundamentals and applications of real-time PCR in veterinary science"

*Universidade Federal Rural do Rio de Janeiro* [ 2016 – 2017 ]

**Country:** Brazil

Theoretical classes given in the graduate course "Fundamentals and applications of real-time PCR in veterinary science" (IV-142155) on December 3 to 13, 2018 under the guidance of assistant professor Dr. Huarrisson Azevedo Santos with a workload of 04 hours each. Classes: Introduction to real-time PCR; Introduction to Bioinformatics; Use of DNA intercalates in real-time PCR; Use of probes in real-time PCR; Molecular markers; Quantification in real-time PCR; Allelic discrimination in real-time PCR; Theoretical-practical foundations of real-time PCR

**Substitute Professor of Epidemiology and Public Health**  
**Universidade Federal Rural do Rio de Janeiro**

**Country:** Brazil

- Approved in the civil service exam to work as substitute professor of epidemiology and public health for students of the Veterinary Medicine course.

**Scientific training in laboratory techniques**

**West Pomeranian University of Technology, ZUT** [ 2017 – 2017 ]

**City:** Szczecin

**Country:** Poland

Developed Skills:-Electrophoresis 1D and 2D, Western Blot, Preparation of samples for MALDI-TOF, MALDI-TOF, Immunochemistry, Academic writing, Poster confection

**Scientific training in laboratory techniques at Deutsche Institut für Ernährungsforschung (DIFE)**

**German Academic Exchange Service (DAAD)**, [ 2015 – 2015 ]

**City:** Potsdam

**Country:** Germany

Developed Skills: Western blots, Real time PCR, RNA extraction, Protein quantification, Poster confection

**Scientific training in Molecular Parasitology**

**Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)** [ 2012 – 2014 ]

**City:** Seropedica

**Country:** Brazil

Project: Genetic diversity of Ehrlichia canis strains isolated from naturally infected dogs

Supervisors: Dra. Renata Lins da Costa, Dr. Carlos Luiz Massard, Dr. Huarrisson Azevedo Santos

Developed skills: DNA extraction; Applications of different PCR methods (conventional, RFLP, RT-PCR); DNA sequencing; Writing scientific papers; Conference presentations.

**Mentor in the undergraduate course of Veterinary Clinical Pathology**

**Universidade Federal Rural do Rio de Janeiro** [ 2012 – 2014 ]

**Country:** Brazil

Main activities and responsibilities: Solve undergraduate students questions about the course; Teacher assistance; Elaboration of support material to help students to be prepared for exams.

**Member of the tutorial continuing education program (PET)**

**Universidade Federal Rural do Rio de Janeiro** [ 2011 – 2012 ]

**Country:** Brazil

Main activities and responsibilities: Organization of events; Writing scientific papers; Poster Presentation; Team work; Conferences participation

### Mentor in the undergraduate course of Histopathology and Special Histopathology

*Universidade Federal Rural do Rio de Janeiro* [ 2013 – 2014 ]

**Country:** Brazil

Main activities and responsibilities: Solve undergraduate students questions about the course; Teacher assistance; Elaboration of class material; Elaboration of support material to help students to be prepared for exams.

### Mentor in the undergraduate course of Animal Anatomy

*Universidade Federal Rural do Rio de Janeiro* [ 2010 – 2011 ]

**Country:** Brazil

Main activities and responsibilities: Solve undergraduate students questions about the course; Teacher assistance; Elaboration of class material; Elaboration of support material to help students to be prepared for exams.

### Scientific training in endocrine physiology

*Fundação Carlos Chagas Filho de Amparo à Pesquisa do Estado do Rio de Janeiro (FAPERJ)* [ 2010 – 2012 ]

**Country:** Brazil

Activities: Animal handling; Experiments using lab rats; Hormone dosage and Protein quantification.

## EDUCATION AND TRAINING

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### Doctoral degree in Veterinary Science

*Universidade Federal Rural do Rio de Janeiro* [ 2018 – Current ]

### Master degree in Veterinary Science

*Universidade Federal Rural do Rio de Janeiro* [ 28/02/2016 – 19/02/2018 ]

**Address:** (Brazil)

<http://portal.ufrrj.br/>

**Field(s) of study:** Molecular Parasitology , Epidemiology

**Final grade :** 3.6/4

Advisor: Dr. Huarrisson Azevedo Santos

### Sandwich graduation in Veterinary Medicine

*Università degli Studi di Milano (UNIMI)* [ 30/09/2013 – 20/07/2014 ]

**Address:** Milan (Italy)

<https://www.unimi.it/en>

Supervisor: Dra. Valeria Grieco

## Bachelor degree in Veterinary Medicine

*Universidade Federal Rural do Rio de Janeiro* [ 06/03/2009 – 12/12/2015 ]

**Address:** (Brazil)

<http://portal.ufrjr.br/>

**Final grade :** 7.07/10

Supervisor: Dr. Carlos Luiz Massard

## PUBLICATIONS

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### Ticks and Tick-borne Diseases Journal

[2018]

<https://doi.org/10.1016/j.ttbdis.2018.01.013>

Title: Comparison of heat shock protein 70 - kDa and 18S rDNA genes for molecular detection and phylogenetic analysis of *Babesia vogeli* from whole blood of naturally infected dogs.

Authors: Patrícia G. Paulino; Marcus S. Pires; Claudia B. da Silva; Maristela Peckle; Renata L. da Costa; Gabriela L. V. Vitari; Ana Paula M. de Abreu; Nádia R. P. Almosny; Carlos L. Massard; Huarrisson A. Santos

### Veterinary Parasitology: Regional Studies and Reports Journal

[2018]

<https://doi.org/10.1016/j.vprsr.2018.06.004>

Title: Molecular epidemiology of *Babesia vogeli* in dogs from the southeastern region of Rio de Janeiro, Brazil.

Authors: Patrícia G. Paulino; Marcus S. Pires; Claudia B. da Silva; Maristela Peckle; Renata L. da Costa; Gabriela L. V. Vitari; Ana Paula M. de Abreu; Carlos L. Massard; Huarrisson A. Santos

### Preventive Veterinary Medicine Journal

[2018]

<https://doi.org/10.1016/j.prevetmed.2018.09.012>

Title: Epidemiology of *Ehrlichia canis* in healthy dogs from the Southeastern region of the state of Rio de Janeiro, Brazil.

Authors: Patrícia Gonzaga Paulino; Marcus Sandes Pires; Claudia Bezerra da Silva; Maristela Peckle; Renata Lins da Costa; Gabriela Vivas Vitari; Joice Aparecida Rezende Vilela; Ana Paula Martinez de Abreu; Carlos Luiz Massard; Huarrisson Azevedo Santos

### Brazilian Journal of Microbiology

[2019]

<https://doi.org/10.1007/s42770-018-0020-7>

Title: Molecular characterization of *Ehrlichia canis* from naturally infected dogs from the state of Rio de Janeiro.

Authors: Renata Lins da Costa, Patrícia Gonzaga Paulino, Claudia Bezerra da Silva, Gabriela Lopes Vivas Vitari, Maristela Peckle Peixoto, Ana Paula Martinez de Abreu, Huarrisson Azevedo Santos & Carlos Luiz Massard

## **The Journal of Parasitology**

[2019]

<https://doi.org/10.1645/18-34>

Title: Genetic diversity of *Theileria equi* from horses in different regions of Brazil based on the 18S rRNA gene.

Authors: Gabriela L V Vitari, Renata L Costa, Ana Paula M Abreu, Maristela Peckle, Claudia B Silva, Patricia G Paulino, Marcus S Pires, Carlos L Massard, Huarrisson A Santos

## **Veterinary and Animal Science Journal**

[2019]

<https://doi.org/10.1016/j.vas.2019.100055>

Volume 7, June 2019, 100055

Title: Molecular evidence of *Anaplasma phagocytophilum* and coinfection with *Theileria equi* in horses from Rio de Janeiro, Brazil.

Authors: Tiago Marques dos Santos; Erica Cristina Rocha Roier; Marcus Sandes Pires; Huarrisson Azevedo Santos; Joice Aparecida Rezende Vilela; Maristela Peckle; Patrícia Gonzaga Paulino; Cristiane Divan Baldani; Carlos Luiz Massard.

## **Scientific Reports Journal**

[2020]

<https://doi.org/10.1038/s41598-020-64328-2>

Title: Detection of *Neorickettsia risticii*, the agent of Potomac horse fever, in horses from Rio de Janeiro, Brazil.

Authors: Patrícia Gonzaga Paulino, Nádia Almosny, Renata Oliveira, Vanessa Viscardi, Ananda Müller, Andresa Guimarães, Cristiane Baldani, Cláudia da Silva, Maristela Peckle, Carlos Massard & Huarrisson Santos

## **HONOURS AND AWARDS**

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### **Best Oral Presentation**

[ 2017 ]

Second Place - XVII Prêmio de Pesquisa Professor Carlos Maria Antônio Hubinger Tokarnia. March, 2018

### **Best Oral Presentation**

[ 2017 ]

Second Place - VI International Symposium in Veterinary Sciences, Veterinary Sciences Graduate Program/ UFRRJ. September 2018.

## LANGUAGE SKILLS

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Mother tongue(s):

### Portuguese

#### English

LISTENING: B2 READING: B2 UNDERSTANDING: B2

SPOKEN PRODUCTION: B2 SPOKEN INTERACTION: B2

#### Italian

LISTENING: B2 READING: B2 UNDERSTANDING: B2

SPOKEN PRODUCTION: B2 SPOKEN INTERACTION: B2

#### French

LISTENING: B1 READING: B1 UNDERSTANDING: B1

SPOKEN PRODUCTION: B1 SPOKEN INTERACTION: B1

#### Spanish

LISTENING: B1 READING: B1 UNDERSTANDING: B1

SPOKEN PRODUCTION: B1 SPOKEN INTERACTION: B1

#### German

LISTENING: A2 READING: A2 UNDERSTANDING: A2

SPOKEN PRODUCTION: A2 SPOKEN INTERACTION: A2