

Kelly C. S. Roballo

Edward Via College of Osteopathic Medicine
2265 Kraft Dr SW
Blacksburg, VA 24060

kroballo@vt.vcom.edu
Phone: (540)231-2702
Orcid:0000-0001-8420-9159

Employment

Edward Via College of Osteopathic Medicine (VCOM) Blacksburg, VA, USA
ASSISTANT PROFESSOR DEPARTMENT OF BIOMEDICAL AFFAIRS AND RESEARCH
July 1st, 2021 – Present

University of Wyoming – School of Pharmacy Laramie, WY, USA
POST-DOCTORAL RESEARCH ASSOCIATE AND INSTRUCTOR
October 2017 – June 2021

Education

University of São Paulo – College of Veterinary Medicine Pirassununga, SP, Brazil
DOCTOR OF SCIENCE IN ANIMAL BIOSCIENCE
May 2015 – September 2017
Dissertation Title: Exosome

CV - Kelly C. Santos Roballo

SCIENTIFIC INITIATION SCHOLAR

June 2013 – May 2014

Project Title: Characterization of cells from choroid plexus using swine as an animal model

Funded by: State of São Paulo Research Support Foundation (FAPESP)

Advisor: Dr. Carlos Eduardo Ambrosio

University of Illinois –

CV - Kelly C. Santos Roballo

TM QIAGEN RNA-seq Grant. PI: **Roballo KCS**, \$20,000. 2021

TM Department of Defense, Peer Reviewed Medical Research Program (PRMRP), Discovery Award. PI: **Roballo KCS**, \$200,000. 2021

TM Paralyzed Veterans of America Research Foundation, Post doc Fellow. PI: **Roballo KCS**, \$50,000. 2020

TM Department of Defense, Peer Reviewed Medical Research Program (PRMRP), Discovery Award. PI: **Roballo KCS**, \$200,000. 2020

TM R03, NIH. Principal personnel: **Roballo KCS**, \$100,000. 2020

TM Department of Defense, Peer Reviewed Medical Research Program (PRMRP), Discovery Award. PI: **Roballo KCS**, \$200,000. 2019

TM Life Sciences Research Foundation, PI: **Roballo KCS**, \$186,000. 2019

TM Graduate Woman in Science. PI: **Roballo KCS**, \$10,000. 2019

Invited talks

WebEVTalk

International

CV - Kelly C. Santos Roballo

Teaching assistant and Instructor at the Veterinary Hospital as part of the Program of Improvement of Teaching (Veterinary Medicine, students) for:

- × *Applied Anatomy (July – December 2016)*
- × *Animal Anatomy (May 2015- September 2017)*
- × *Sustainability and Agribusiness (February – June 2017)*

Mentorship Experience

Edward Via College of Osteopathic Medicine (VCOM)

MASON YOUNT – OMS-II

ALEXANDRA MORGAN – OMS-II

ALEKHYA PERURI – OMS-II

Blacksburg, VA, USA

August 2021 – Present

August 2021 – Present

August 2021 – Present

University of Wyoming – School of Pharmacy

CV - Kelly C. Santos Roballo

University of São Paulo – College of Veterinary Medicine

Pirassununga, SP, Brazil

VITORIA M. PEREIRA – Undergraduate

2015 – 2017

Scientific accomplishments and outcomes: published 2 papers, still working the lab and now a PhD candidate at University of Wyoming.

LETICIA R. PADOVEZE – Undergraduate

2015 – 2017

Scientific accomplishments and outcomes: studied abroad at University of Illinois with my former advisor Dr. Wheeler, published 1 conference abstract, now is practicing Veterinary Medicine.

FELIPE ROS – Undergraduate

2016 – 2017

Scientific accomplishments and outcomes: published 1 article, now master's degree NOf38.901 ~~AMC~~

CV - Kelly C. Santos Roballo

University of São Paulo

OUTSIDE COMMITTEE MEMBER OF DISSERTATION DEFENSE

Thesis Title: of the formation of trophoblastic giant cells in bovine placenta

Candidate: Lucas Luiz Rocha Rosestolato

São Paulo, SP, Brazil

July 21, 2020

University of São Paulo

OUTSIDE COMMITTEE MEMBER OF DISSERTATION DEFENSE

Thesis Title: Recellularization of blood vessel-derived biomaterials from the allantoichorionic surface of the bovine placenta

Candidate: Amanda Saragó

São Paulo, SP, Brazil

July 21, 2020

State University of Maranhão

OUTSIDE COMMITTEE MEMBER OF DISSERTATION DEFENSE

Thesis Title: Isolation and characterization of spinal cord neuroprogenitors cells of canine fetus

Candidate: Sarah Ingrid Pinto Santos

São Luiz, MA, Brazil

January 6, 2020

Professional Society Membership

500 Women Scientists

MEMBER

2020 – Present

TERMIS

MEMBER

2017 – Present (TERMIS P & M)

International Society for Extracellular Matrix Research

CV - Kelly C. Santos Roballo

Anatomia, Histologia, Embriologia

PEER REVIEWER OF MANUSCRIPTS

September 2017 – Present

PLOS ONE Journal

PEER REVIEWER OF MANUSCRIPTS

May 2016 – Present

Pesquisa Veterinária Brasileira

PEER REVIEWER OF MANUSCRIPTS

September 2015 – Present

Acta Cirurgica Brasileira

PEER REVIEWER OF MANUSCRIPTS

September 2015 – Present

Leadership, Volunteering, and Community Outreach

The Social Scientist

VOLUNTEER

October 2020 – Present

Meet with Master and PhD students to share the experiences I have had as a scientist and the opportunities available to those who pursue a future in science after graduation.

Skype a Scientist

GUEST LECTURER

February 2020 – Present

Entrepreneurship Action Us (ENACTUS)

ALUMNI MEMBER

Pirassununga, SP, Brazil

June 2014 – Present

PRESIDENT/CHAPTER FOUNDER

March 2013 – June 2014

Veterinary Junior Company of Pirassununga (EMVEP)

EXECUTIVE PRESIDENT/FOUNDER

Pirassununga, SP, Brazil

July 2009 – December 2011

Career Development: Certifications,

CV - Kelly C. Santos Roballo

Short-

CV - Kelly C. Santos Roballo

9. Casals JB, Pieri NCG, **Roballo KCS***, Bressan FF, Favaron F, Martins DS, Ambrosio CE. Pluripotent stem cells proliferation is associated with placentation in dogs. *Anim Reprod*, 2020.
10. **Roballo KCS**, Burns D, Ghnenis AB, Osimanjiang W, Bushman JB. Long-term regeneration analysis after peroneal nerve injury using sheep as animal model. *European Journal of Neuroscience*, 2020.
11. Pereira VM, **Roballo KCS**, Silva ANE, Cordeiro JF, Bressan TF, Muller AF, Ercolin ACM, Cirimbelli CF, Soares Hage MCFN, Carregaro AB and Ambrósio CE. The use of

CV - Kelly C. Santos Roballo

22. Machado LC, **Roballo KCS**, Cury FS, Ambrósio CE. Female reproductive system morphology of crabeating fox (*Cerdocyon thous*) and cryopreservation of genetic material for animal germplasm bank enrichment. *Anat Histol Embryol.* 2017, 46(6):539-546. /
23. Gomes IS, Oliveira VC, Pinheiro AO, **Roballo KCS***, Araujo JSM, Veronezi JC, Martins DS and Ambrósio CE. Bone marrow stem cell applied in the canine veterinary clinics. *Pesq. Vet. Bras.* 2017, 37(10):1139-1145.
24. Oliveira NA, **Roballo KCS**, Lisboa Neto AFS, Sandini TM, Santos AC

CV - Kelly C. Santos Roballo

36. Fadel L, Viana BR, Feitosa ML, Ercolin AC, **Roballo KCS**, Casals JB, Pieri NC, Meirelles FV, Martins Ddos S, Miglino MA, Ambrósio CE. Protocols for obtainment and isolation of two mesenchymal stem cell sources in sheep. *Acta Cir Bras.* 2011,26(4):267-273.

Publications Under Review

CV - Kelly C. Santos Roballo

6. Ercolin ACM, **Roballo KCS**, Casals JB, Miglino MA, Martins DS, Moro MEG, Ambrósio CE. Análise macroscópica do aparelho reprodutor masculino de Seriema (*Cariama cristata*). In: XII Congresso ABRAVAS, 2009, Águas de Lindóia. Anais do XII Congresso ABRAVAS, 2009.

Presentations (Oral and Poster)

1. **Roballo KCS**, Bushman J. Evaluation of the host immune response and functional

CV - Kelly C. Santos Roballo

- stem cells. Front Range Neuroscience 15th Annual Meeting, Fort Collins, CO, 2017. (Poster Presentation)
13. Pieri NCG, Mançaneres, ACF, Souza AF, **Roballo KCS**, Casals JB, Ambrosio CE, and Martins DS. Immunolocalization of Proteins in the Spermatogenesis Process of Canine. International Symposium on Canine and Feline Reproduction, Paris, France, 2016. (Poster presentation).
 14. **Roballo KCS**, Casals JB, Martins DS, Ambrósio CE. Pluripotent stem cells in domestic carnivores (*Canis familiaris* and *Felis catus*) placentae. International Congress of Animal Reproduction. Le Vinci, Tours, France, 2016. (Oral Presentation)
 15. **Roballo KCS**, Souza

CV -