

CURRICULUM VITAE

Name Jessica Carvalho Seabra

Pronouns She, Her, Hers

Education

- 2023** Ph.D. in Animal Science. Federal University of Paraná, Brazil. Doctoral stay at Colorado State University, USA. (2019- 2023)
Advisor: Dr. João Ricardo Dittrich. Co-advisor: Dr. Tanja Hess.
Dissertation: “Factors associated with the development and prevalence of abnormal and stereotypic behaviors in horses”
- 2017** M.Sc. Animal Science. Federal University of Paraná, Brazil
Thesis: “Different exercise intensities for the welfare of racehorses in training”.
Advisor: João Ricardo Dittrich. (2016 – 2017).
- 2014** B.Sc. Animal Science. State University of Northern Fluminense, Brazil. (2008 – 2014)

Additional Professional Certifications

- 2025** Postdoc teaching certificate. Colorado State University, Fort Collins, CO, USA.
- 2018** Specialization - Research in equine nutrition and exercise physiology. University of São Paulo, Brazil (Course load: 490h).
Advisor: Alexandre Augusto de Oliveira Gobesso.

Employment:

- 2024** Postdoctoral Research Fellow in the Department of Animal Sciences (Equine Science) of Colorado State University. Advisor: Dr. Temple Grandin (January 2024 – Current) Full time.
- 2022** Visiting Scholar and Teaching Assistant in the Department of Animal Sciences (Equine Science) of Colorado State University (September 2021 – June 2022) Full time.

Other Professional experiences:

- 2021** Research conducted as a Ph.D. student at the Mounted Police Regiment “Coronel Dulcídio” (February 2021 to August 2021)
- 2016** Research conducted as a Masters’ student at Paraná’s Jockey Club – Curitiba, Brazil (August 2016 to May 2017)
- 2013** Intern at the Federal Rural University of Rio de Janeiro (UFRRJ) Laboratory of equine health and Army riding school (May 2013 to August 2013)

Awards:

2024 – Poster “Time-budget and welfare indicators of stabled horses in three different stall architectures: A cross-sectional study” was awarded second place at the annual College of Agricultural Sciences Graduate Student and Post-doc Research Showcase at Colorado State University

Grants:

2021 - Effects of different hay feeders, availability of roughage on abnormal behaviors and cortisol circadian rhythm in horses kept in dry lots. Morris Animal Foundation Pilot Study. \$ 9,119 (Dollars)

2021 - Sandwich Doctorate Program (*Programa de Doutorado-sanduíche no Exterior - PDSE*) - Scholarships abroad to doctorate students from the CAPES Foundation, an agency under the Ministry of Education of Brazil. \$10,900 (Dollars)

2009 - Academic Support Grant - State University of Northern Fluminense, Brazil. R\$8,640 (Reais)

Teaching experience as a TA:

Year	Semester	Course No./Title	University
2024	Summer	ANeq-345-001 Principles of Nutrition: Equine Applications	Colorado State University, CO-USA
2024	Spring	ANeq-345-001 Principles of Nutrition: Equine Applications	Colorado State University, CO-USA
2023	Spring	ANeq-345-001 Principles of Nutrition: Equine Applications	Colorado State University, CO-USA
2022	Summer	ANeq-345-001 Principles of Nutrition: Equine Applications	Colorado State University, CO-USA
2022	Spring	ANeq-345-001 Principles of Nutrition: Equine Applications	Colorado State University, CO-USA
2022	Spring	ANeq-325001 Equine Exercise Physiology	Colorado State University, CO-USA
2021	Fall	ANeq-346-001 Equine Disease Management	Colorado State University, CO-USA
2019	Spring	AZ046 Introduction to Equine Sciences	Federal University of Paraná, PR-BR
2019	Fall	AZ046 Introduction to Equine Sciences	Federal University of Paraná, PR-BR
2017	Spring	AZ046 Introduction to Equine Sciences	Federal University of Paraná, PR-BR
2016	Spring	AZ046 Introduction to Equine Sciences	Federal University of Paraná, PR-BR

Peer reviewed publications:

Carvalho Seabra, J., Hess, T., Finnestead, T. R., Grandin, T. Welfare Assessment in Equine-Assisted Service (EAS) Horses. *Animals*, v. 16, n. 10, p. 1434, 2026. <https://doi.org/10.3390/ani16101434>

Seabra, J.C.; do Vale, M. M.; Hess, T.; Spencoski, K.M.; Brooks, R.; Dittrich, J. R. Effects of different hay feeders, availability of roughage on abnormal behaviors and time budget of horses kept in dry lots. *Journal of Equine Veterinary Science*, v. 130, p. 104911, 2023. <https://doi.org/10.1016/j.jevs.2023.104911>

Seabra, J.C.; do Vale, M. M.; Hess, T.; Spencoski, K.M.; Dittrich, J. R. Time-budget and welfare indicators of stabled horses in three different stall architectures: a cross-sectional study. *Journal of Equine Veterinary Science*, v. 131, p. 104936, 2023. <https://doi.org/10.1016/j.jevs.2023.104936>

Seabra, J. C.; Dittrich, J. R.; do Vale, M. M. Factors associated with the development and prevalence of abnormal behaviors in horses: systematic review with meta-analysis. *Journal of Equine Veterinary Science*, p. 103750, 2021. <https://doi.org/10.1016/j.jevs.2021.103750>

Seabra, J. C.; Dittrich, J. R., do Vale, M. M., Janiszewski, J. R., and de Hollanda, R. S. Alteração da temperatura ocular em resposta ao treinamento de corrida em cavalos Puro-Sangue-Inglês no Jockey Club. (Eye temperature change in response to race training in thoroughbred horses at the Jockey Club) *Archives of Veterinary Science*, 24(3), 2019. <http://dx.doi.org/10.5380/avs.v24i3.61177>

Published peer reviewed abstracts:

- Seabra, J. C., Hess, T., Finnestead, T. R., Grandin, T. Welfare Assessment in Equine Assisted Service (EAS) horses. Journal of Equine Veterinary Science, v. 148, p. 105544, 2025.
- Seabra, J. C., Hess, T., Finnestead, T. R., Grandin, T. Time-budget and welfare indicators of Equine Assisted Service (EAS) geriatric horses. Equine Science Society Symposium - June 6, 2025.
- Seabra, J. C., do Vale, M. M., Spencoski, K. M., Hess, T., & Dittrich, J. R. 126 Time-budget and welfare indicators of stabled horses in three different stall architectures: A cross-sectional study. Journal of Equine Veterinary Science, v. 124, p. 104428, 2023.
- Seabra, J. C., Hess, T., do Vale, M. M., Spencoski, K. M., Brooks, R., & Dittrich, J. R. 49 Effects of different hay feeders, availability of roughage on abnormal behaviors and time budget of horses kept in dry lots. Journal of Equine Veterinary Science, v. 124, p. 104351, 2023.
- Seabra, J. C.; Janiszewski, J. R.; Strugava, L.; Locatelli-Dittrich, R.; Dittrich, J. R. Changes in blood Neutrophil/Lymphocyte Ratio and total leukocytes related to different exercise intensities in thoroughbred horses: Zootecnia Brasil, 28º Congresso Brasileiro de Zootecnia. Goiânia: 2018.
- Seabra, J. C.; Dittrich, J. R.; do Vale, M. M. Eye temperature change associated with physiological stress in response to race training in thoroughbred horses. In: Zootecnia Brasil, 28º Congresso Brasileiro de Zootecnia. Goiânia: 2018.
- Seabra, J. C.; Hollanda, R. S.; Janiszewski, J. R.; Marques, L. Z.; Santos, C. B.; Lima, M. C.; Dittrich, J. R. Prevalence of abnormal behaviors in thoroughbred horses starting race training. In: 54ª Reunião Anual da Sociedade Brasileira de Zootecnia, 2017, Foz do Iguaçu. Brasília: The Brazilian Society of Animal Science, 2017. v.54. p.760 – 760.
- Strugava, L.; Hillebrant, R. S.; Seabra, J. C.; Dittrich, J. R.; Fantin, R. L. Feeding Preference of Equines Between Forage Peanut Hay and Alfalfa Hay. In: 54ª Reunião Anual da Sociedade Brasileira de Zootecnia, 2017, Foz do Iguaçu. Brasília: The Brazilian Society of Animal Science, 2017. v.54. p.744 – 744

Lectures Presented:

- SEABRA, J. C. Assessment methods and strategies to improve the welfare of sport horses. TOPICS IN ANIMAL PRODUCTION IV - Equine physical conditioning and training, Fall 2024 at Federal University of Paraná, PR-BR (Lecture)
- SEABRA, J. C. Abnormal Behaviors in Horses: causes, impacts, and management, 2023. Training week for the technical team working at the equine therapy center for the Non-Profit Organization: “Coletivo Inclusão”. 2024 at Federal University of Paraná, PR-BR (Lecture)
- SEABRA, J. C. *Fisiologia do Exercício Aplicada para Cavalos Atletas* (Exercise Physiology Applied to Sport Horses), 2017. 2024 at Federal University of Paraná, PR-BR (Lecture)
- SEABRA, J. C. *Manejo Reprodutivo e Nutricional de Suínos* (Swine nutritional and reproductive management), 2015 at State University of Northern Fluminense, RJ - BR (Course)

Organization of Animal Science and Equestrian events:

1. Member of the organizing Committee in the 54th Annual Meeting of the Brazilian Society of Animal Scientists, 2017. (Conference)

2. Member of the organizing Committee in the Olympic Games Rio 2016 - Equine Cross-country International Competition - Team Member Olympic Equestrian Centre, 2016.
3. Member of the organizing Committee in the VI Cycle of Lectures promoted by the discipline of Animal Production, Environment and Development - Postgraduate Program of Animal Science at the Federal University of Paraná, 2016.
4. Member of the organizing Committee in the Test Event Warm-up Rio - Equine Cross-country International Competition - Team Member Olympic Equestrian Centre, 2015.
5. Member of the organizing Committee in the Organizing Committee of the IX Academic Week of Animal Science at the University of Northern of Rio de Janeiro, UENF, 2014.

Additional training

2025 - Best Practices in Teaching at CSU: Critical Thinking - three-week CANVAS course - Colorado State University, CSU, Fort Collins, CO, United States.

2025 - Best Practices in Teaching at CSU: Accessible and Inclusive Electronic Content - three-week CANVAS course - Colorado State University, CSU, Fort Collins, CO, United States.

2025 - Best Practices in Teaching at CSU: Planning an Effective Class Session - three-week CANVAS course - Colorado State University, CSU, Fort Collins, CO, United States.

2024 - Diversity, Equity and Inclusion Foundations - Colorado State University, CSU, Fort Collins, CO, United States.

2024 - Mental Health in Higher Education - Colorado State University, CSU, Fort Collins, CO, United States.

2024 - Leadership, Research, and the Power of Radical Candor - Colorado State University, CSU, Fort Collins, CO, United States.

2024- Canvas: build a course - Colorado State University, CSU, Fort Collins, CO, United States.

2024 – Introduction to accessibility - Colorado State University, CSU, Fort Collins, CO, United States.

2024 – Canvas and new Quizzes: Get ready to move - Colorado State University, CSU, Fort Collins, CO, United States.

2024 – Canvas: Intro to Assignments & Gradebook - Colorado State University, CSU, Fort Collins, CO, United States.

2024 – Using student data to inform inclusive instructional strategies design choices - Colorado State University, CSU, Fort Collins, CO, United States.

2024 – Goal setting for Annual Review of Teaching - Colorado State University, CSU, Fort Collins, CO, United States.

2024 - A Change is Gonna Come: How the CSU Assistive Technology Resource Center is meeting the accessibility needs of students and faculty/staff in higher education in our ever-changing technological environment – Colorado State University, CSU, Fort Collins, CO, United States.

2022 - Module 0 - Orientation training offered by the Colorado State Radiation Control Office – Colorado State University, CSU, Fort Collins, CO, United States.

2022 - Module 1 -Ionizing Radiation: Properties, Risks and Biological Effects. Colorado State University Radiation Control Office – Colorado State University, CSU, Fort Collins, CO, United States.

2022 – Best Practices in Teaching at CSU: Inclusive Pedagogy. The institute for learning and teaching – Colorado State

University, CSU, Fort Collins, CO, United States.

2020 - Short course: Meliponiculture, Honeybee keeping - Class II. (Course load: 12h). Brazilian Agricultural Research Corporation, EMBRAPA, Brasília, Brazil

2017 - Short course: Oral Production: debates in English - Program *Ciências sem Fronteiras*. (Course load: 16h). Federal University of Paraná, UFPR, Curitiba, Brazil

2012 - Short course: Rabbit breeding: feeding and management. (Course load: 8h). State University of Northern Fluminense Darcy Ribeiro, UENF, Campos Dos Goytacazes, Brazil

2012 - Short course: Flocks Management with sheepdogs. (Course load: 4h). State University of Northern Fluminense Darcy Ribeiro, UENF, Campos Dos Goytacazes, Brazil

2011 - Short course: Beef cattle breeding. (Course load: 4h). State University of Northern Fluminense Darcy Ribeiro, UENF, Campos Dos Goytacazes, Brazil

2009 - Short course: Embryo transfer in horses. (Course load: 16h). State University of Northern Fluminense Darcy Ribeiro, UENF, Campos Dos Goytacazes, Brazil

Participation in events

1. International Society for Equitation Science Conference at Colorado State University in Fort Collins, CO, July 2025.
2. Equine Science Society Symposium at Colorado State University in Fort Collins, CO, June 2025.
3. 15th Annual National Association of Equine Affiliated Academics (NAEAA) Conference at Delaware Valley University in Doylestown, PA, 2024.
4. Behavior, welfare and handling of horses, 2020 (Cycle of online lectures).
5. Forage for horses: how to choose and offer, 2020 (online lecture).
6. Presentation of Clarivate Analytics Databases, 2019. (Lecture)
7. Zootecnia Brasil, 2018. (Animal Science Conference)
8. Fish Welfare and Humane Slaughter, 2017 (Lecture)
9. VI Academic Week of Animal Science at the State University of Northern Fluminense Darcy Ribeiro, 2014. (Conference)
10. IV Academic Week of Animal Science at the State University of Northern Fluminense Darcy Ribeiro, 2012. (Conference)
11. III Equine Production Symposium, 2011. (Conference)
12. II Academic Week of Veterinary Medicine at the State University of Northern Fluminense Darcy Ribeiro – Animal Welfare Cycle, 2010. (Conference)
13. II Academic Week of Veterinary Medicine at the State University of Northern Fluminense Darcy Ribeiro – Big Animals Cycle, 2010. (Conference)
14. I Academic Week of Animal Science at the State University of Northern Fluminense Darcy Ribeiro, 2009. (Conference)
15. II Equine Production Symposium, 2009. (Conference)

16. XI - Academic Week of Veterinary Medicine at the State University of Northern Fluminense Darcy Ribeiro – Big Animals Cycle, 2009. (Conference)
17. XI - Academic Week of Veterinary Medicine at the State University of Northern Fluminense Darcy Ribeiro, 2008. (Conference)