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## DR. CLARISSA STRIEDER-BARBOZA

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Assistant Professor,  
Veterinary Sciences

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“*If it is **important**, we make the **time**.*”

### RESEARCH EXPERTISE

- Pathophysiology of metabolic disease
- Adipose tissue function and cellularity
- Transition dairy cow health
- Translational metabolism

### PROFESSIONAL PREPARATION

- DVM Universidade Federal de Santa Maria, Brazil, 2009
- M.S. Universidad Austral de Chile, Chile, 2011
- Ph.D. Michigan State University, USA, 2018
- Postdoc: University of Michigan, 2018-2021

### FAVORITE ARTICLE

Michelotti, T. C., Kisby, B. R., Flores, L. S., Tegeler, A. P., Fokar, M., Crasto, C., Menarim, B. C., Loux, S. C., Strieder-Barboza, C. (2022). *Single-nuclei analysis reveals depot-specific transcriptional heterogeneity and depot-specific cell types in adipose tissue of dairy cows. Frontiers in Cell and Developmental Biology, 10(2022).* <https://doi.org/10.3389/fcell.2022.1025240>

This publication is particularly important because:

1. This is the first publication from Strieder-Barboza lab!
2. We discovered adipose tissue depot-specific cell subtypes that could be used as molecular targets for the development of preventive and therapeutic strategies for metabolic diseases and/or optimization of productive performance in bovine.
3. This paper is the first to report the use of single-nuclei RNA sequencing analysis in bovine adipose tissue.

### WHAT MAKES THE DAVIS COLLEGE GREAT?

Multidisciplinarity. The number of experts in distinct areas and the potential to create greatness from the research, teaching, and outreach standpoint is impressive. I still consider myself a new professor at TTU and really look forward to collaborating with experts in different areas of expertise in agricultural sciences and natural resources.