



CONTACT

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Area

São Paulo, Brazil

EDUCATION

2017 - 2021

Doctoral Degree in Veterinary Medicine
University of São Paulo (Brazil)

2019 - 2020

Doctoral Degree (PhD Sandwich)
University of Minnesota (USA)

2013 - 2015

Master Degree in Veterinary Medicine
University of São Paulo (Brazil)

2010 - 2012

Residency in Small Animal Clinic
University of Viçosa (Brazil)

2005 - 2009

Doctor of Veterinary Medicine
University of Viçosa (Brazil)

SKILLS

- Public speaking
- Clinical skills
- Strong scientific expertise
- Project management & data analysis
- Dry/Wet Lab: NGS, ELISA, WB, SDS-Page
- Portuguese, English and French
- Teamwork
- Creative and exploratory mindset
- Leadership

ALINE SANTANA

VETERINARIAN, PHD

PROFILE

Veterinarian with 8+ years of experience in basic and clinical research, with a proven track record in leadership roles within R&D. Skilled in veterinary dermatology, skin microbiome, and fungal diagnostics in dogs and cats. I am passionate about science-based innovation, entrepreneurship, and the digital space. My mission is to use my expertise and passion to develop cutting-edge solutions that improve animal health and strengthen the human-animal bond.

WORK EXPERIENCE

Veterinary Consultant (2022-present)

Derma.Conecta, Brazil

- Veterinary dermatology consultant: assistance with target research, clinical trial design, medical writing, and marketing materials

Veterinary Research Scientist (2013-2021)

University of São Paulo, Brazil

- As a part-time dermatologist for dogs and cats, I diagnosed and treated various skin diseases in animals, gaining hands-on experience in the field. Additionally, I provided medical training for dermatology residents.
- I conducted clinical research on skin diseases and collaborated with a cross-functional team investigating biomarkers for serological diagnosis. My responsibilities included standardizing and implementing protocols for NGS sequencing, Dot Blot, Western Blot, and ELISA. To support our R&D+I activities, I obtained funding from FAPESP and CAPES.
- Provided invited presentations to national conferences in the field of veterinary dermatology

Visiting Research Scientist (2019-2020)

University of Minnesota, USA

- Designed and conducted dermatology studies, with a focus on microbiome research, from clinical sampling to bioinformatics analysis.

Brazilian Society of Veterinary Dermatology - SBDV (2015-2021)

www.sbdv.com.br, São Paulo, Brazil

- Served as a social media marketing director. My responsibilities included overseeing the social media strategy and content creation to increase awareness and engagement. I also helped board members organize events, workshops, and congresses to promote veterinary dermatology in Brazil.

Associate Veterinarian (2011-2013)

Paes de Barros Hospital and VetDerme Clinic, Brazil

- Studied, diagnosed and treated animal injuries
- General small animal medicine, emergency and critical care

PEER-REVIEWED PUBLICATIONS

- SANTANA, ALINE E.; TORRES, SHEILA.; COSTA, MATHEUS; Comparison of two sampling methods for downstream molecular detection of bacteria or fungi from feline hair and scale specimens. **JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION**, 2023 (In Press)
- SANTANA, ALINE E.; SELLERA, FÁBIO P.; FILQUEIRA, KILDER D.; TABORDA, CARLOS P.; RECHE JUNIOR, ARCHIVALDO. The influence of sample processing time on the performance of *Microsporum canis* cultures in cats. **VETERINARY DERMATOLOGY**, 2021. - Impact Factor: 1,58 - <https://www.doi.org/10.1111/vde.13039>
- SANTANA, ALINE E.; SELLERA, FÁBIO P.; COSTA, MATHEUS O. Letter in response to the article: *Nannizzia incurvata* as a rare cause of favus and tinea corporis in Cambodia and Vietnam. **INDIAN JOURNAL OF DERMATOLOGY, VENEREOLOGY & LEPROLOGY**, 2021 - Impact Factor: 2,54 - http://doi.org/10.25259/IJD-VL_984_20
- SANTANA, ALINE E.; SELLERA, FÁBIO P.; Etymologia: Dermatophyte. **EMERGING INFECTIOUS DISEASES**, 2020. - Impact Factor: 6,99 - <http://doi.org/10.3201/eid2609.ET2609>
- SANTANA, ALINE E.; RECHE-JR, ARCHIVALDO; SELLERA, FÁBIO P. ; TABORDA, CARLOS P. A comment on First report of tinea corporis caused by *Arthroderma benhamiae* in Brazil. **BRAZILIAN JOURNAL OF MICROBIOLOGY**, 2020. - Impact Factor: 2,47 - <http://doi.org/10.1007/s42770-019-00220-0>
- SANTANA, ALINE E.; TABORDA, CARLOS P ; FILGUEIRA, KILDER D ; SELLERA, FÁBIO P ; LARSSON, CARLOS E ; RECHE-JUNIOR, ARCHIVALDO. Comparison of carpet and toothbrush techniques for the detection of *Microsporum canis* in cats. **JOURNAL OF FELINE MEDICINE AND SURGERY**, 2019. Impact Factor: 2,21 - <http://doi.org/10.1177/1098612X19880632>
- SEVERO, J.S. ; SANTANA, A. E. ; AOKI, V. ; MICHALANY, N.S. ; LARSSON Jr, C.E. ; LARSSON, C.E. Comparative study of direct and indirect immunofluorescence for diagnosis of canine pemphigus foliaceus. **ARQUIVO BRASILEIRO DE MEDICINA VETERINÁRIA E ZOOTECNIA**, 2018 - <https://doi.org/10.1590/1678-4162-9917>
- SANTANA, A. E.; TABORDA, C. P. ; SEVERO, J.S. ; RITTNER, G. G. ; MUNHOZ, J. E. ; LARSSON Jr, C.E. ; LARSSON, C.E. Development of enzyme immunoassays (ELISA and Western blot) for the serological diagnosis of dermatophytosis in symptomatic and asymptomatic cats. **MEDICAL MYCOLOGY**, 2017. Impact Factor: 4,07 - <http://doi.org/10.1093/mmy/myx019>
- SEVERO, J.S. ; SANTANA, ALINE E. ; AOKI, V. ; MICHALANY, N.S. ; MANTOVANI, M. ; LARSSON Jr, C.E. ; LARSSON, C.E. Evaluation of C-reactive protein as an inflammatory marker of pemphigus foliaceus and superficial pyoderma in dogs. **VETERINARY DERMATOLOGY**, 2017. - Impact Factor: 1,58 - <http://doi.org/10.1111/vde.12510>
- NITTA, C. Y. ; DANIEL, A. G. T. ; TABORDA, C. P. ; SANTANA, A. E. ; LARSSON, C.E. Isolation of Dermatophytes from the Hair Coat of Healthy Persian Cats without Skin Lesions from Commercial Catteries Located in São Paulo Metropolitan Area, Brazil. **ACTA SCIENTIAE VETERINARIAE**, 2016 - <https://doi.org/10.22456/1679-9216.81298>

BOOK CHAPTERS

- BALDA, AC; SANTANA, ALINE E.; (2020) Dermatofitose de cães e gatos in **Tratado de Medicina Externa: Dermatologia Veterinária**. (2nd ed., Interbook), Print.

HONORS AND AWARDS

- Awarded an Honorable Mention for the Best PhD Thesis Nomination (2021) in Veterinary Clinical Medicine by the Dean of Research and Innovation at the University of São Paulo, Brazil

Thesis title: Characterization of fungal and bacterial skin communities in cats with and without dermatophytosis using next-generation sequencing and characterization of *Microsporum canis* immunodominant proteins for serological diagnosis of feline dermatophytosis

- Scholarship - Doctor of Philosophy Program (2019 - 2020, US\$ 9,640), CAPES/CNPq, Brazil.