

# Jose Pablo Gomez-Vazquez

DVM, MPVM, PhD.

website: <http://www.spablo-temporal.network>

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## Education:

**PhD in Epidemiology** (2017-2021)

*University of California Davis, California, United States*

**Master in Preventive Veterinary Medicine** (2016-2017)

*University of California Davis, California, United States*

**Medicina Veterinaria y Zootecnia [Veterinary Medicine & Zootechnics]** (2010-2015)

*UANL, Escobedo N.L., Mexico*

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## Profesional Experience:

**Department of Veterinary Medicine and Epidemiology, University of California Davis. Davis, California, United States - Post doctoral researcher** *January 2022 - Current*

**Department of Veterinary Medicine and Epidemiology, University of California Davis. Davis, California, United States - Graduate Student Researcher** *June 2020 - December 2021*

**Department of Population Health and Reproduction, University of California Davis. Davis, California, United States - Graduate Student Researcher** *August 2019 - June 2020*

**One Health Institute, University of California Davis. Davis, California, United States - Graduate Student Researcher** *January 2018 - March 2018*

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## Teaching Experience:

**University of California Davis. Davis, California, United States - Co-Instructor on Health and Ecological Risk Analysis (EPI 224)** *March 2022 - June 2022*

**University of California Davis. Davis, California, United States - Teaching assistant on Spatial epidemiology (EPI 223)** *March 2019 - June 2019*

University of California Davis. Davis, California, United States - Teaching assistant on Mathematical Statistics (EPI 203) *January 2019 - March 2019*

University of California Davis. Davis, California, United States - Teaching assistant on medical statistics (MPM 204) *January 2018 - March 2019*

#### Workshops and training provided:

- Spatiotemporal analysis of social networks, ICAHS 2022, 17 participants
- Social Network Analysis, ASF NIFAF virtual workshop, ~40 participants.
- Análisis espacio-temporal de redes de contactos, UNAM, Mexico City, Mexico, November 19-20, 2019, ~20 participants.
- Spatio-Temporal analysis of Movement Networks, Geovet 2019, Davis California, October 7, 2019, 9 participants.
- Herramientas geoestadísticas en epidemiología, Agrocalidad, Quito, Pichincha, Ecuador, August 12-15, 2019, ~20 participants.
- Analyzing Animal Health Spatial-explicit Networks Using R, UC Davis, Davis, California, February 6, 2019 ~25 participants.

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#### Publications:

- **Gómez Vázquez, J.P.**, García, Y.E., Schmidt, A.J. et al. Testing and vaccination to reduce the impact of COVID-19 in nursing homes: an agent-based approach. *BMC Infect Dis* 22, 477 (2022). <https://doi.org/10.1186/s12879-022-07385-4>
- Maier GU, Breitenbuecher J, **Gomez JP**, Samah F, Fausak E, Van Noord M. Vaccination for the Prevention of Neonatal Calf Diarrhea in Cow-Calf Operations: A Scoping Review. *Vet Anim Sci.* 2022 Feb 19;15:100238. doi: 10.1016/j.vas.2022.100238. PMID: 35243126; PMCID: PMC8866090.
- **Gómez-Vázquez, J. P.**, Quevedo-Valle, M., Flores, U., Portilla Jarufe, K., & Martínez-López, B. (2019). Evaluation of the impact of live pig trade network, vaccination coverage and socio-economic factors in the classical swine fever eradication program in Peru. *Preventive Veterinary Medicine*, 162(May 2018), 29–37. <https://doi.org/10.1016/j.prevetmed.2018.10.019>
- Garcia-Mazcorro JF, Castillo-Carranza SA, Guard B, **Gomez-Vazquez JP**, Dowd SE, Brighthsmith DJ. 2016. Comprehensive molecular characterization of bacterial communities in feces of pet birds using 16S marker sequencing. *Microbial Ecology* Epub ahead of print Aug 27 2016 DOI 10.1007/s00248-016-0840-7.

#### As Consultant:

- Emery CB, Outerbridge CA, Knych HK, Lam ATH, **Gomez-Vazquez JP**, White SD. Preliminary study of the stability of dexamethasone when added to commercial veterinary ear cleaners over a 90 day period. *Vet Dermatol.* 2021 Feb 2. doi: 10.1111/vde.12924. Epub ahead of print. PMID: 33528860.

## Participation at conferences

### Oral Presentations:

- Spatio-Temporal analysis of the trade network of the cattle industry in California, October 2019, *GeoVet 2019, Davis, California, United States*
- Evaluacion espacio-temporal de factores de riesgo para la ocurrencia de peste porcina clásica en Perú (Spatio-Temporal analysis for the CSF occurrence in Peru), October 2017, *“III SIEVMP (Iberoamerican society of veterinary epidemiology and preventive medicine) symposium”, Valdivia, Chile.*

### Poster presentations:

- Identification of areas at risk for low immunity herds against Foot-and-Mouth disease virus in Ecuador using maximum entropy models, November 2018, *“International Symposium of Veterinary Epidemiology and Economics 15”, Chiang Mai, Thailand*
- Live pig trade network modeling and prediction using Network analysis and exponential random graph models in Peru, June 2018, *25th International Pig Veterinary Society Congress”, Chongqing Yuelai, China*
- Herramientas bioinformáticas para el estudio de la microbiota intestinal” (Bioinformatics tools for gastrointestinal microbiota analysis), October 2015, *“XXVIII Congreso Nacional de Investigación en Medicina UANL” (National symposium of Medical research UANL), Monterrey N.L., Mexico*
- Perfil metabólico de comunidades microbianas en heces de aves en cautiverio” (Metabolic profiles of pet birds microbiota), October 2015, *“4th KALAANKAB Symposium”, Villahermosa, Tabasco, Mexico*