

Jenee S. Odani
College of Tropical Agriculture and Human Resources
Department of Human Nutrition, Food, and Animal Sciences
 FTE Distribution: 55%E; 35%I; 10%R

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
DACVP	UC Davis/CAHFS	Anatomic Pathology
DVM	UC Davis	Veterinary Medicine
BA	University of Washington	Zoology

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Associate Specialist	University of Hawaii	2016 to present
Veterinary Medical Officer	HDOA/Vet Lab	2006 to 2016

Courses Taught

Course ID and name (credits)

ANSC 301	Anatomy of Domestic Animals (3)
ANSC 301L	Anatomy of Domestic Animals Lab (1)
ANSC 453	Animal Diseases and Their Control (3)
ANSC 491	Special Topics: Histology (2)
ANSC 492	Field Experience (4)

Publications (reverse chronological order)

Conference Proceedings

1. Paradis, K.,* Odani, J. Where's the fresh eggs and meat? Improving the Hawai'i poultry industry through communication and outreach. CTAHR and College of Engineering Student Research Symposium, Honolulu, HI. 4/15/19.
2. Ching, C.,* Odani, J. Avian Botulism: be on the lookout for dead birds! CTAHR and College of Engineering Student Research Symposium, Honolulu, HI. 4/15/19.
3. Castle, B.A.,* Odani, J., Jha, R., Ogasawara, N., Zaleski, H.M. Survey of Disease Management and Biosecurity Practices of Hawai'i Swine Farmers. CTAHR and College of Engineering Student Research Symposium, Honolulu, HI. 4/20/18.
4. Odani, J.* Applications of Histotechnology in Veterinary Diagnostics. Society for Histotechnology Symposium/Convention, Costa Mesa, CA. 5/06.
5. Odani, J.,* Read, D., Daft, B., Kinde, H., Moore, J., Uzal, F., Shivaprasad, H., Chin, R., Rezvani, M., Woolcock, P., McFarland, M.D., Charlton, B., Sommer, F., Zellner, D., Moeller, R., Anderson, M., Barr, B. Pathology of Exotic Newcastle Disease in Backyard Chickens during the 2002-2003 California Outbreak. University of California-Davis, Veterinary Medical Teaching Hospital House Officer Seminar Day, Davis, CA. 3/03.
6. Castle, B.*, Odani, J., Ogasawara, N.*, Zaleski, H. (2018) Survey of Disease, Management and Biosecurity Practices of Hawai'i Swine Farmers. Journal of Animal Science, 96 (Suppl3), 53-54.
7. McNeill, B.S.*, Odani, J., Jha, R., Zaleski, H.M. (2016). 0168 Prevalence of Brucella suis in hunting dogs in Hawai'i. Journal of Animal Science, 94 (Suppl5), 81.
8. Sarrafian, T.L*., Case, J.T., Kinde, H., Daft, B.M., Read, D.H., Moore, J.D., Uzal, F.A.,

Anthenill, L.A., Diab, S.S., Odani, J.S., Mysore, J., St. Leger, J.A., Barr, B.C., Anderson, M.L., Stover, S.M., White, N., II (Editor). Fatal Musculoskeletal Injuries of Quarter Horse Racehorses in California. Proceedings of the 55th Annual Convention of the American Association of Equine Practitioners, Las Vegas, NV, December 5-9, 2009, pp. 190-191.

Refereed Journal Publications

1. Yamasaki, L.S., Iwai, T., Klinger-Bowen, R., Weese, D., Odani, J., Wong, M. Identification of Nile tilapia (*Oreochromis niloticus*) and its hybrids in natural environments in Hawaii. (in press), Aquaculture.
2. Domingo, R., Perez, C., Klair, D., Vu, H., Candelario-Tochiki, A., Wang, X., Camson, A., Uy, J.N., Salameh, M., Arizala, D. and Dobhal, S. 2021. Genome-informed loop-mediated isothermal amplification assay for specific detection of *Pectobacterium parmentieri* in infected potato tissues and soil. *Scientific reports*. 11(1);1-14.
3. Cadmus, K., Mete, A., Harris, M., Anderson, D., Sato, Y., Helm, J., Boger, L., Odani, J., Ficken, M., Pabilonia, K.1 (2019). Causes of mortality in backyard poultry in eight states in the United States. *Journal of Veterinary Diagnostic Investigation*, 31(3):318-326.
4. Odani, J., Sox, E., Coleman, W., Jha, R., Malik, R. 20021. First documented cases of canine neuroangiostrongyliasis due to *Angiostrongylus cantonensis* in Hawai'i. *Journal of the American Animal Hospital Association*. 57(1);42-46.
5. Calle, A.F., Wu, B., Odani, J.S., Duponte, M.W., Li, Yong. 2021. Development of Salmonella testing capacity for the Hawaii egg and poultry industry. *Pacific Agriculture and Natural Resources*. 11:19-23.
6. Diab, S.S., Kinde, H., Moore, J., Shahriar, M.F., Odani, J., Anthenill, L., Songer, G., Uzal, F.A. 2012. Pathology of *Clostridium perfringens* Type C Enterotoxemia in Horses. *Veterinary Pathology*, 49(2):255-263.
7. Diab, S., Pascoe, J., Shahriar, M., Read, D., Kinde, H., Moore, J., Odani, J., Uzal, F. 2009. Study of laryngopharyngeal pathology in Thoroughbred horses in southern California. *Equine Veterinary Journal*, 41(9):903-907.
8. Odani, J.S.1, Blanchard, P.C., Adaska, J.M., Moeller, R.B., Uzal, F.A. 2009. Malignant edema in postpartum dairy cattle. *Journal of Veterinary Diagnostic Investigation*, 21(6):920-924.
9. Uzal, F. A.1, Houston, R. S., Riley, S. P. D., Poppenga, R., Odani, J., Boyce, W. 2007. Notoedric mange in two free-ranging mountain lions (*Puma concolor*). *Journal of Wildlife Diseases*, 43(2), 274-278.
10. Ortega, J.1, Daft, B., Assis, R.A., Kinde, H., Anthenill, L., Odani, J., Uzal, F.A. 2007. Infection of internal umbilical remnant in foals by *Clostridium sordellii*. *Veterinary Pathology*, 44(3), 269-75.
11. Anthenill, L.A.1, Stover, S.M., Gardner, I.A., Hill, A.E., Lee, C.M., Anderson, M.L., Barr, B.C., Read, D.H., Johnson, B.J., Woods, L.W., Daft, B.M., Kinde, H., Moore, J.D., Farman, C.A., Odani, J.S., Pesavento, P.A., Uzal, F.A., Case, J.T., Ardans. A.A. 2006. Association between findings on palmarodorsal radiographic images and detection of a fracture in the proximal sesamoid bones of forelimbs obtained from cadavers of racing Thoroughbreds. *American Journal of Veterinary Research*, 67(5):858-68.
12. Uzal, F.A.1, Woods, L., Stillian, M., Nordhausen, R., Read, D.H., Van Kampen, H., Odani, J., Hietala, S., Hurley, E.J., Vickers, M.L., Gard, S.M. 2004. Abortion and ulcerative posthitis associated with caprine herpesvirus-1 infection in goats in California. *Journal of Veterinary Diagnostic Investigation*, 16(5), 478-484.
13. Kinde, H.1, Read, D.H., Daft, B.M., Hammarlund, M., Moore, J.D., Uzal, F.A., Mukai, J., Woolcock, P. 200). The Occurrence of Avian Influenza A Subtype H6N2 in Commercial Layer Flocks in Southern California (2000-02): Clinicopathologic Findings. *Avian Diseases*, 47:1214-1218.

Extension Publications

1. Katulski, S., Thorne, M. S., Odani, J., & Oshiro, M. 2020. Copper Supplementation for Beef Cattle in Hawai'i. College of Tropical Agriculture and Human Resources, Honolulu, HI.
2. DuPonte, M., Odani, J., Li, Y., Jha, R., Kow, T., & Kahana, J. 2020. An Overview of Hawaii Egg Quality Assurance Program for Producer Education and Implementation Programing: A New Producer Guide. College of Tropical Agriculture and Human Resources, Honolulu, HI.
3. Odani, J., Cowie, R., Jarvi, S., & Malik, R. 2019 Rat Lungworm Disease for the Veterinary Professional. Information about the emerging zoonotic pathogen, *Angiostrongylus cantonensis*, its life cycle, modes of transmission, diagnosis, and treatment.
4. Mogren, C. & Odani, J. 2019. Compliance with Beekeeping Laws in Hawai'i. College of Tropical Agriculture and Human Resources, Honolulu, HI. An expanded collection of regulations concerning beekeeping, including veterinary roles.
5. Castle B.A., Primavera T.G., Odani, J.S., Heskett T.W., and Zaleski H.M. 2018. Biosecurity Procedures for Visits to Swine Farms. College of Tropical Agriculture and Human Resources, Honolulu, HI. In press. This document was primarily drafted by B. Castle (Graduate Student) based on procedures I developed while employed at the Hawai'i Department of Agriculture.
6. Odani, J. 2018. Veterinary Feed Directive. College of Tropical Agriculture and Human Resources, Honolulu, HI. Provided producers and veterinarians with a handout and brochure versions of simplified summaries of the new rules regarding use of antimicrobials in animal feed and the role of the veterinarian.

Creative Works (ex. Extension Videos, Websites, Blogs, Creative Designs and Exhibitions, etc.)

1. 2019. A Veterinary Perspective of Rat Lungworm Disease. College of Tropical Agriculture and Human Resources, Honolulu, HI.
2. 2019. Rat Lungworm Disease for Dog Owners. College of Tropical Agriculture and Human Resources, Honolulu, HI.

Leadership Roles (Committees, Boards, Advisory, etc.)

1. 2020-present ANSC BS Program Learning Assessment Coordinator
2. 2018-present Departmental Faculty Representative, University of Hawai'i Professional Assembly
3. 2017-present Provide veterinary care and consultation for CTAHR researchers: Institutional Animal Care and Use Committee (IACUC) protocols 08-422-9, 16-22319-3, 13-1639-6, 13-1639-6, 17-2605-2. Conducted 8 animal necropsies as the veterinary consultant for these protocols. Work with the IACUC to address any animal health or welfare concerns that may arise.
4. 2017-present Member of the HNFAS Space Committee to help with logistics of space utilization by students, faculty, and staff within the department.
5. 2017-present Judge for CTAHR/COE Student Research Symposium
6. 2016-present Member of the Charles Reid DVM. Memorial Scholarship Committee; Chairperson, 2017 to present. I update and disseminate application materials to pre-veterinary medicine students, collect and organize application submissions, summarize data into a spreadsheet, convene a selection/awarding meeting with members of the University and the veterinary profession, and oversee the actual awarding within the UH fiscal process.
7. 2016-present Member of the HNFAS Curriculum Committee: reviews course offerings, new course content, major requirements, and other issues related to the Animal Sciences curriculum.
8. 2016-present Member of the HNFAS Scholarship Committee: meets annually to review student applications and determines scholarship awards.
9. 2016-present Advisor to the Pre-vet Club at UH Mānoa: serve as University liaison and advisor to club of pre-veterinary medicine students (typically ~30-50 each year). Oversee

school and community activities and provides logistical support.

10. 2016 Aloha United Way Departmental Coordinator: coordinated activities for a state-wide charitable organization.

Graduate Students

<u>Category</u>	<u>Current Number of Students</u>	<u>Number Graduated (Career)</u>
Chair of Master Committees	1	2
Member of Master Committees	1	8
Member of PhD Committees	2	2

Grant Support

1. PI. Animal Disease Diagnostic Laboratory Support for Shrimp Pathogens. Hawaii Invasive Species Council. 2021. \$11,186.18 10/1/21-9/30/22.
2. PI. Advancing Aquatic Animal Disease Diagnostics. CTSA. 2020. \$99,862.
3. PI. Enhanced Disease Surveillance and Biosecurity for Hawai'i's SPF Shrimp Broodstock Industry. Center for Tropical and Subtropical Aquaculture. \$50,000. Research grant to investigate the disease status of local aquacultured shrimp, primarily focusing on general health screening, parasites, and emerging or other significant (e.g., regulatory) diseases. This project also aims to screen imported feed components for shrimp pathogens.
4. Co-PI. Application of Genetic and Reproduction Technologies to Improve Hawaii Grass-fed Beef Cattle Production. CTAHR Team Science, \$80,000. PI: Jinzeng Yang. I will be responsible for developing the biosecurity and health management protocols for project animals.
5. PI. Diagnosing Prevalent Diseases in Aquacultured Fish. Center for Tropical and Subtropical Aquaculture. 9/1/19-8/31/20. \$74,439. Research grant to investigate the disease status of local aquacultured fish, primarily focusing on emerging or other significant (e.g., regulatory) diseases.
6. Co-PI. Improvement of Reproductive Efficiency in Hawaiian Cattle. Hawaii Department of Agriculture (HDOA). 2019-2022. \$114,178. PI: Birendra Mishra. I will be responsible for histopathologic evaluation of tissues.
7. Co-PI. Assessment of Ovarian Tumors in Cattle. NIFA/USDA-Animal Health. 2019-2021. \$12,000. PI: Birendra Mishra. I am responsible for histopathologic evaluation of tissues.
8. Co-PI. The Hawai'i Egg Quality Assurance Education and Implementation Program Phase II NPIP: the use of Local Surveillance and Analysis for Hawai'i's Poultry Industry. Hawai'i Department of Agriculture (HDOA). 7/1/18-7/1/20. \$81,730. PI: Michael Duponte. My role in this project is to work with HDOA to develop the rules and protocols for the state's participation in the National Poultry Improvement Program (NPIP) and to oversee the training of a graduate student to educate producers, collect samples, and conduct pathogen surveillance testing.
9. Co-PI. Artificial Insemination as a Tool to Improve Livestock Genetics in Hawai'i County. County of Hawai'i, Department of Research and Development. 10/1/18-9/30/19. \$8,000. PI: Michael Duponte. My role is to help develop the biosecurity and testing protocols to ensure the high health status of the donor bulls.
10. PI. Hawai'i Animal Disease Traceability Database Practices and Procedures Report. Hawai'i Department of Agriculture. 4/13/18-6/30/18. \$5,665. Analyzed current animal identification and traceability practices in the Animal Industry Division (HDOA) and create a written manual for use in training. Analyzed gaps and needs within the current program
11. PI. A Shrimp Disease Diagnostic Laboratory for Hawai'i. Center for Tropical and Subtropical Aquaculture. 12/1/18-11/30/19. \$50,000. This important project seeks to develop a USDA-

approved laboratory for conducting shrimp pathogen testing. Hawai'i's multi-million-dollar industry in exporting SPF shrimp broodstock requires that the shrimp be free of current OIE-listed diseases and many other emerging diseases.

12. PI. A Shrimp Disease Diagnostic Laboratory for Hawai'i. Hawai'i Department of Agriculture. 2/15/18-6/30/19. \$60,000. Same purpose as above.
13. PI. Small Ruminant Health Surveillance. Supplemental funding, Hatch 2050H/Smith Lever 14-209. 10/1/17-9/30/19. \$61,000. This project seeks to study the management and health status of small ruminant herds in the state. A special focus is on anthelmintic resistance of internal parasites. Graduate student recruited in January 2018.
14. PI. Turning All Veterinarians into Food-Animal Veterinarians through Focused Continuing Education. USDA, NIFA, Veterinary Services Grant Program. 10/1/17-9/30/20. \$169,304. Three-year project to provide 5 series of continuing education for veterinarians in food animal medicine/surgery. The goal is to increase and improve veterinary services for food animals in the state of Hawai'i.

Presentations at Conferences

1. Odani, J., Sox, E.M., Coleman, W., Jha, R., Malik, R. First Documented Cases of Canine Neuroangiostrongyliasis due to *Angiostrongylus cantonensis* in Hawai'i. 6th International Workshop on *Angiostrongylus* and *Angiostrongyliasis*, Hilo, HI. 1/20.
2. Odani, J., Developing a Shrimp Disease Diagnostic Laboratory in Hawai'i. Aquaculture America, Honolulu, HI. 2/20.
3. Dahl, D.*, Haverly, S.N., Wagenman, I., Nakamura, T., Odani, J., Yang, J. Investigation of Copepods as a Live Feed for Hawai'i Larval Shrimp Culture. Aquaculture America, Honolulu, HI. 2/20.
4. Castle, B.A.*, Odani, J., Jha, R., Ogasawara, N., Zaleski, H.M. Survey of Disease, Management, and Biosecurity Practices of Hawai'i Swine Farmers. Poster. Annual American Society of Animal Science and Canadian Society of Animal Science Joint Conference, Vancouver, Canada. 7/10/18.
5. Odani, J., Zaleski, H.M., Ogasawara, N.*, Castle B.* Swine Serosurveillance in Hawai'i. Poster. American Association of Veterinary Laboratory Diagnosticians, San Diego, CA. 10/12-10/18/17.
6. Odani, J., Zaleski, H.M., Ogasawara, N.*, Castle, B.*, Vannucci, F., Heskett, T.W. Swine Serosurveillance in Hawai'i. Oral. Applied Animal and Public Health Research and Extension Symposium, San Diego, CA. 10/14/17.
7. Odani, J., Read, D., Daft, B., Kinde, H., Moore, J., Uzal, F., Shivaprasad, H., Chin, R., Rezvani, M., Woolcock, P., McFarland, M.D., Charlton, B., Sommer, F., Zellner, D., Moeller, R., Anderson, M., Barr, B. Pathology of Exotic Newcastle Disease in Backyard Chickens during the 2002-2003 California Outbreak. Oral. American Association of Veterinary Laboratory Diagnosticians Annual Conference, San Diego, CA, 10/03.
8. Odani, J., Read, D., Daft, B., Kinde, H., Moore, J., Uzal, F., Shivaprasad, H., Chin, R., Rezvani, M., Woolcock, P., McFarland, M.D., Charlton, B., Sommer, F., Zellner, D., Moeller, R., Anderson, M., Barr, B. Pathology of Exotic Newcastle Disease in Backyard Chickens during the 2002-2003 California Outbreak. Oral. Western Poultry Disease Conference, Sacramento, CA. 3/8-3/11/03.