Stanford



José Vilches-Moure, DVM, PhD

Associate Professor of Comparative Medicine

Bio

BIO

Dr. José G. Vilches-Moure, DVM, PhD, Associate Professor, received his DVM degree from Purdue University in Indiana in 2007. He completed his residency training in Anatomic Pathology (with emphasis in pathology of laboratory animal species) and his PhD in Comparative Pathology at the University of California-Davis. He joined Stanford in 2015, is the current Faculty Director of the Master of Laboratory Animal Science (MLAS) Graduate Program, founder and past Faculty Director of the Comparative and Experimental Pathology Post-doctoral Fellowship (2023-2025), and the past Director of the Animal Histology Services (AHS; 2015-2022). Dr. Vilches-Moure is a diplomate of the American College of Veterinary Pathologists, and his collaborative research interests include refinement of animal models, cancer biology and early cancer detection techniques, cardiac development and pathology, developmental pathology, and host-pathogen interactions. His teaching interests include comparative anatomy/histology, general pathology, comparative pathology, and pathology of laboratory animal species.

ACADEMIC APPOINTMENTS

- Associate Prof-Univ Med Line, Comparative Medicine
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Faculty Director, Master of Laboratory Animal Science (MLAS) Graduate Program, Stanford University School of Medicine, (2024- present)
- Faculty Director, Fellowship in Comparative and Experimental Pathology, Stanford University School of Medicine, (2023-2025)
- Faculty Director [Office of Faculty Development & Diversity]; LGBTQ+ Subcommittee, Stanford University School of Medicine, (2021-2022)
- Chair, Stanford Medicine Diversity Cabinet's LGBTQ+ Subcommittee, Stanford University School of Medicine, (2020-2022)
- Co-Founder and Co-Chair, Comparative Medicine Diversity, Equity, and Inclusion Committee, Stanford University School of Medicine, (2020-2022)
- Departmental Liaison, Office of Faculty Development and Diversity, Stanford University School of Medicine, (2019-2022)
- Interim Director, Animal Diagnostic Laboratory, Stanford University School of Medicine, (2016-2019)
- Director, Animal Histology Services (AHS), Stanford University School of Medicine, (2015-2022)
- Acting Director, Comparative Medicine Necropsy Service, Stanford University School of Medicine, (2015-2018)

HONORS AND AWARDS

- Outstanding Clinician Award, Department of Comparative Medicine, Stanford University School of Medicine (2019)
- Charles Louis Davis Foundation for the Advancement of Veterinary Pathology Award, University of California-Davis (2011)

- Dr. Donald R. Cordy Prize in Veterinary Anatomic Pathology, University of California-Davis (2010)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Faculty Member, West Coast Veterinary Pathology Conference (WCVP) Planning Committee (2020 - present)
- Co-Founder and Co-Chair, Diversity, Equity, and Inclusion Committee - American College of Veterinary Pathologists (ACVP) (2019 - 2023)
- Member, Digital Pathology Association (2017 - present)
- Member, American Society for Investigative Pathology (ASIP) (2017 - present)
- Member, Geropathology Research Network (2017 - present)
- Member, American Association of Laboratory Animal Science (AALAS) (2015 - present)
- Member, American College of Veterinary Pathologists (ACVP) (2011 - present)
- Member, Davis-Thompson Foundation for the Advancement of Veterinary and Comparative Pathology (2007 - present)

PROFESSIONAL EDUCATION

- B.S., University of Puerto Rico - Mayagüez , Animal Science (2003)
- D.V.M., Purdue University , Veterinary Medicine (2007)
- Dipl. A.C.V.P., American College of Veterinary Pathologists , Anatomic Pathology (2011)
- Ph.D., University of California - Davis , Comparative Pathology (2015)

LINKS

- Master of Laboratory Animal Science (MLAS): https://med.stanford.edu/compmed/masters-lab-animal-science.html
- Department of Comparative Medicine: https://med.stanford.edu/compmed.html

Teaching

COURSES

2026-27

- Form and Funkiness of Lab Animals : Anatomy, Histology, and Pathology: COMPMED 210 (Aut)
- Laboratory Animal Science Communications and Presentations: COMPMED 291 (Spr)
- Laboratory Animal Science Professional Development and Career Exploration: COMPMED 290 (Aut)

2025-26

- And that's why cats should never eat garlic!: COMPMED 91N (Spr)
- Form and Funkiness of Lab Animals : Anatomy, Histology, and Pathology: COMPMED 210 (Aut)
- Laboratory Animal Science Professional Development and Career Exploration: COMPMED 290 (Aut)
- Masters Research Presentations: COMPMED 291 (Spr)

2024-25

- And that's why cats should never eat garlic!: COMPMED 91N (Spr)
- Form and Funkiness of Lab Animals : Anatomy, Histology, and Pathology: COMPMED 210 (Aut)
- Laboratory Animal Science Professional Development and Career Exploration: COMPMED 290 (Aut)
- Masters Research Presentations: COMPMED 291 (Win)

2023-24

- And that's why cats should never eat garlic!: COMPMED 91N (Spr)
- Form and Funkiness of Lab Animals : Anatomy, Histology, and Pathology: COMPMED 210 (Aut)

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Laboratory Animal Science (Masters Program)

Publications

PUBLICATIONS

- **Salmonella-superspreader hosts require gut regulatory T cells to maintain a disease-tolerant state.** *The Journal of experimental medicine*
  Di Luccia, B., Massis, L. M., Butler, D. S., Narasimhan, R., Ruddle, S. J., Pham, T. H., Vilches-Moure, J. G., Monack, D. M.
  2025; 222 (11)

- **Analysis of knockout mice reveals critical female-specific roles for the Hippo pathway component PTPN14.** *Genes & development*
  McCrea, E. M., Makrides, N., Tabata, T., Reineking, W., Vilches-Moure, J. G., Wang, M., Lake, J. S., Vogel, H., Howitt, B., Zhang, X., Attardi, L. D.
  2025

- **Assessing the Efficacy of Topical Fluralaner for the Treatment of Demodex musculi Infestations in NSG Mice (Mus musculus)** *JOURNAL OF THE AMERICAN ASSOCIATION FOR LABORATORY ANIMAL SCIENCE*
  Morrill, C., Vilches-Moure, J., Garner, J. P., Cotton, R. M., Barouch-Bentov, R., de Alonso, F., Nagamine, C. M.
  2025; 64 (2): 219-227

- **Eosinophils Enhance Granuloma-Mediated Control of Persistent Salmonella Infection.** *Research square*
  Monack, D., Butler, D., Di Luccia, B., Vilches-Moure, J.
  2025

- **GPR124 regulates murine brain embryonic angiogenesis and BBB formation by an intracellular domain-independent mechanism.** *Development (Cambridge, England)*
  Yuki, K., Vallon, M., Ding, J., Rada, C. C., Tang, A. T., Vilches-Moure, J. G., McCormick, A. K., Echeverri, M. F., Alwahabi, S., Braunger, B. M., Ergün, S., Kahn, M. L., Kuo, et al
  2024

- **Design of a mucin-selective protease for targeted degradation of cancer-associated mucins.** *Nature biotechnology*
  Pedram, K., Shon, D. J., Tender, G. S., Mantuano, N. R., Northey, J. J., Metcalf, K. J., Wisnovsky, S. P., Riley, N. M., Forcina, G. C., Malaker, S. A., Kuo, A., George, B. M., Miller, et al
  2023

- **Gut regulatory T cells mediate immunological tolerance in Salmonella-infected superspreader hosts.**
  Di Luccia, B., Massis, L., Ruddle, S., Narasimhan, R., Pham, T., Vilches-Moure, J., Amieva, M. R., Monack, D. M.
  AMER ASSOC IMMUNOLOGISTS.2023

- **Lysine-Derived Charge-Altering Releasable Transporters: Targeted Delivery of mRNA and siRNA to the Lungs.** *Bioconjugate chemistry*
  Blake, T. R., Haabeth, O. A., Sallets, A., McClellan, R. L., Del Castillo, T. J., Vilches-Moure, J. G., Ho, W. C., Wender, P. A., Levy, R., Waymouth, R. M.
  2023

- **Focused ultrasound-induced inhibition of peripheral nerve fibers in an animal model of acute pain.** *Regional anesthesia and pain medicine*
  Anderson, T. A., Pacharinsak, C., Vilches-Moure, J., Kantarci, H., Zuchero, J. B., Butts-Pauly, K., Yeomans, D.
  2023

- **Ablation of Adar1 in myeloid cells imprints a global antiviral state in the lung and heightens early immunity against SARS-CoV-2.** *Cell reports*
  Adamska, J. Z., Verma, R., Gupta, S., Hagan, T., Wimmers, F., Floyd, K., Li, Q., Valore, E. V., Wang, Y., Trisal, M., Vilches-Moure, J. G., Subramaniam, S., Walkley, et al
  2023; 42 (1): 112038

- **Chimpanzee and pig-tailed macaque iPSCs: Improved culture and generation of primate cross-species embryos.** *Cell reports*
  Roodgar, M., Suchy, F. P., Nguyen, L. H., Bajpai, V. K., Sinha, R., Vilches-Moure, J. G., Van Bortle, K., Bhadury, J., Metwally, A., Jiang, L., Jian, R., Chiang, R., Oikonomopoulos, et al
  2022; 40 (9): 111264

- **Enhanced safety and efficacy of protease-regulated CAR-T cell receptors.** *Cell*

Labanieh, L., Majzner, R. G., Klysz, D., Sotillo, E., Fisher, C. J., Vilches-Moure, J. G., Pacheco, K. Z., Malipatlolla, M., Xu, P., Hui, J. H., Murty, T., Theruvath, J., Mehta, et al

2022

- **Dose-dependent effects of high intensity focused ultrasound on compound action potentials in an ex vivo rodent peripheral nerve model: comparison to local anesthetics.** *Regional anesthesia and pain medicine*

  Anderson, T. A., Delgado, J., Sun, S., Behzadian, N., Vilches-Moure, J., Szlavik, R. B., Butts-Pauly, K., Yeomans, D.

  1800

- **Local Sound Speed Estimation for Pulse-Echo Ultrasound in Layered Media** *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*

  Ali, R., Telichko, A., Wang, H., Sukumar, U. K., Vilches-Moure, J. G., Paulmurugan, R., Dahl, J. J.

  2022; 69 (2): 500-511

- **Contrast Enhanced Ultrasound Molecular Imaging of Spontaneous Chronic Inflammatory Bowel Disease in an Interleukin-2 Receptor alpha-/- Transgenic Mouse Model Using Targeted Microbubbles.** *Nanomaterials (Basel, Switzerland)*

  Wang, H., Vilches-Moure, J. G., Bettinger, T., Cherkaoui, S., Lutz, A., Paulmurugan, R.

  1800; 12 (2)

- **Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication.** *Nature medicine*

  Theruvath, J., Menard, M., Smith, B. A., Linde, M. H., Coles, G. L., Dalton, G. N., Wu, W., Kiru, L., Delaidelli, A., Sotillo, E., Silberstein, J. L., Geraghty, A. C., Banuelos, et al

  1800

- **GPC2-CAR T cells tuned for low antigen density mediate potent activity against neuroblastoma without toxicity** *CANCER CELL*

  Heitzeneder, S., Bosse, K. R., Zhu, Z., Zhelev, D., Majzner, R. G., Radosevich, M. T., Dhingra, S., Sotillo, E., Buongervino, S., Pascual-Pasto, G., Garrigan, E., Xu, P., Huang, et al

  2022; 40 (1): 53-+

- **Mitochondrial Gene Diversity and Host Specificity of Isospora in Passerine Birds.** *Frontiers in veterinary science*

  Kubiski, S. V., Witte, C., Burchell, J. A., Conradson, D., Zmuda, A., Barbon, A. R., Vilches-Moure, J. G., Felt, S. A., Rideout, B. A.

  2022; 9: 847030

- **Noninvasive estimation of local speed of sound by pulse-echo ultrasound in a rat model of nonalcoholic fatty liver.** *Physics in medicine and biology*

  Telichko, A. V., Ali, R., Brevett, T., Wang, H., Vilches-Moure, J., Kumar, S. U., Paulmurugan, R., Dahl, J. J.

  1800

- **GPC2-CAR Tcells tuned for low antigen density mediate potent activity against neuroblastoma without toxicity.** *Cancer cell*

  Heitzeneder, S., Bosse, K. R., Zhu, Z., Zhelev, D., Majzner, R. G., Radosevich, M. T., Dhingra, S., Sotillo, E., Buongervino, S., Pascual-Pasto, G., Garrigan, E., Xu, P., Huang, et al

  1800

- **Potent activity of CAR T cells targeting the oncofetal protein GPC2 engineered to recognize low antigen density in neuroblastoma.**

  Heitzeneder, S., Bosse, K. R., Zhu, Z., Jelev, D., Dhingra, S., Majzner, R., Sotillo-Pineiro, E., Buongervino, S., Xu, P., Huang, J., Delaidelli, A., Hasselblatt, M., Parker, et al

  AMER ASSOC CANCER RESEARCH.2021

- **Management of Morbidity and Mortality in a New Zealand White Rabbit Model of Steroid-Induced Osteonecrosis of the Femoral Head** *COMPARATIVE MEDICINE*

  Casey, K. M., Gore, F., Vilches-Moure, J. G., Maruyama, M., Goodman, S. B., Yang, Y., Baker, S. W.

  2021; 71 (1): 86–98

- **A protease-activated, near-infrared fluorescent probe for early endoscopic detection of premalignant gastrointestinal lesions.** *Proceedings of the National Academy of Sciences of the United States of America*

  Yim, J. J., Harmsen, S., Flisikowski, K., Flisikowska, T., Namkoong, H., Garland, M., van den Berg, N. S., Vilches-Moure, J. G., Schnieke, A., Saur, D., Glasl, S., Gorpas, D., Habtezion, et al

  2021; 118 (1)

- **CTLA-4 expression by B-1a B cells is essential for immune tolerance.** *Nature communications*

  Yang, Y. n., Li, X. n., Ma, Z. n., Wang, C. n., Yang, Q. n., Byrne-Steele, M. n., Hong, R. n., Min, Q. n., Zhou, G. n., Cheng, Y. n., Qin, G. n., Youngyunpipatkul, J. V., Wing, et al

2021; 12 (1): 525

- **Metabolic profiling during malaria reveals the role of the aryl hydrocarbon receptor in regulating kidney injury.** *eLife*
  Lissner, M. M., Cumnock, K., Davis, N. M., Vilches-Moure, J. G., Basak, P., Navarrete, D. J., Allen, J. A., Schneider, D.
  2020; 9

- **Molecular Imaging of Infective Endocarditis With 6''-[18F]Fluoromaltotriose Positron Emission Tomography-Computed Tomography.** *Circulation*
  Wardak, M., Gowrishankar, G., Zhao, X., Liu, Y., Chang, E., Namavari, M., Haywood, T., Gabr, M. T., Neofytou, E., Chour, T., Qin, X., Vilches-Moure, J. G., Hardy, et al
  2020; 141 (21): 1729–31

- **Toward the Clinical Development and Validation of a Thy1-Targeted Ultrasound Contrast Agent for the Early Detection of Pancreatic Ductal Adenocarcinoma.** *Investigative radiology*
  Bam, R. n., Daryaei, I. n., Abou-Elkacem, L. n., Vilches-Moure, J. G., Meuillet, E. J., Lutz, A. n., Marinelli, E. R., Unger, E. C., Gambhir, S. S., Paulmurugan, R. n.
  2020

- **Sound Speed Estimation in Layered Media Using the Angular Coherence of Plane Waves**
  Ali, R., Maredia, S., Telichko, A., Wang, H., Paulmurugan, R., Vilches-Moure, J., Dahl, J. J.
  edited by Byram, B. C., Ruiter, N. V.
  SPIE-INT SOC OPTICAL ENGINEERING.2020

- **Salmonella-Driven Polarization of Granuloma Macrophages Antagonizes TNF-Mediated Pathogen Restriction during Persistent Infection.** *Cell host & microbe*
  Pham, T. H., Brewer, S. M., Thurston, T., Massis, L. M., Honeycutt, J., Lugo, K., Jacobson, A. R., Vilches-Moure, J. G., Hamblin, M., Helaine, S., Monack, D. M.
  2019

- **TOTAL ABDOMINAL ULTRA-RAPID FLASH IRRADIATION DEMONSTRATES DECREASED GASTROINTESTINAL TOXICITY COMPARED TO CONVENTIONAL TOTAL ABDOMINAL IRRADIATION IN MICE**
  Levy, K., Eggold, J., Rafat, M., Schuler, E., Shehade, H., Fregoso, D., Vilches-Moure, J., Koong, A., Maxim, P., Loo, B. W., Rankin, E.
  AMER ASSOC CANCER RESEARCH.2019: 182

- **Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model** *MOLECULAR IMAGING AND BIOLOGY*
  Bachawal, S. V., Park, J., Valluru, K. S., Loft, M., Felt, S. A., Vilches-Moure, J. G., Saenz, Y. F., Daniel, B., Iagaru, A., Sonn, G., Cheng, Z., Spielman, D. M., Willmann, et al
  2019; 21 (5): 861–70

- **Investigating circulating tumor cells and distant metastases in patient-derived orthotopic xenograft models of triple-negative breast cancer.** *Breast cancer research : BCR*
  Ramani, V. C., Lemaire, C. A., Triboulet, M., Casey, K. M., Heirich, K., Renier, C., Vilches-Moure, J. G., Gupta, R., Razmara, A. M., Zhang, H., Sledge, G. W., Sollier, E., Jeffrey, et al
  2019; 21 (1): 98

- **Chronic Model of Inflammatory Bowel Disease in IL-10-/- Transgenic Mice: Evaluation with Ultrasound Molecular Imaging.** *Theranostics*
  Wang, H., Vilches-Moure, J. G., Cherkaoui, S., Tardy, I., Alleaume, C., Bettinger, T., Lutz, A., Paulmurugan, R.
  2019; 9 (21): 6031-6046

- **Ultrasound/microbubble-mediated targeted delivery of anticancer microRNA-loaded nanoparticles to deep tissues in pigs.** *Journal of controlled release : official journal of the Controlled Release Society*
  Di Ianni, T., Bose, R. J., Sukumar, U. K., Bachawal, S., Wang, H., Telichko, A., Herickhoff, C., Robinson, E., Baker, S., Vilches-Moure, J. G., Felt, S. A., Gambhir, S. S., Paulmurugan, et al
  2019

- **Receptor subtype discrimination using extensive shape complementary designed interfaces** *NATURE STRUCTURAL & MOLECULAR BIOLOGY*
  Dang, L. T., Miao, Y., Ha, A., Yuki, K., Park, K., Janda, C. Y., Jude, K. M., Mohan, K., Ha, N., Vallon, M., Yuan, J., Vilches-Moure, J. G., Kuo, et al
  2019; 26 (6): 407-+

- **Receptor subtype discrimination using extensive shape complementary designed interfaces.** *Nature structural & molecular biology*

Dang, L. T., Miao, Y., Ha, A., Yuki, K., Park, K., Janda, C. Y., Jude, K. M., Mohan, K., Ha, N., Vallon, M., Yuan, J., Vilches-Moure, J. G., Kuo, et al
2019

- **Embryonic Chicken (Gallus gallus domesticus) as a Model of Cardiac Biology and Development.** *Comparative medicine*
  Vilches-Moure, J. G.
  2019; 69 (3): 184-203

- **Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model.** *Molecular imaging and biology : MIB : the official publication of the Academy of Molecular Imaging*
  Bachawal, S. V., Park, J. M., Valluru, K. S., Loft, M. D., Felt, S. A., Vilches-Moure, J. G., Saenz, Y. F., Daniel, B., Iagaru, A., Sonn, G., Cheng, Z., Spielman, D. M., Willmann, et al
  2019

- **SETD3 is an actin histidine methyltransferase that prevents primary dystocia** *NATURE*
  Wilkinson, A. W., Diep, J., Dai, S., Liu, S., Ooi, Y., Song, D., Li, T., Horton, J. R., Zhang, X., Liu, C., Trivedi, D. V., Ruppel, K. M., Vilches-Moure, et al
  2019; 565 (7739): 372-+

- **Validation of a geropathology grading system for aging mouse studies.** *GeroScience*
  Snyder, J. M., Snider, T. A., Ciol, M. A., Wilkinson, J. E., Imai, D. M., Casey, K. M., Vilches-Moure, J. G., Pettan-Brewer, C. n., Pillai, S. P., Carrasco, S. E., Salimi, S. n., Ladiges, W. n.
  2019

- **Chronic Model of Inflammatory Bowel Disease in IL-10(-/-) Transgenic Mice: Evaluation with Ultrasound Molecular Imaging** *THERANOSTICS*
  Wang, H., Vilches-Moure, J. G., Cherkaoui, S., Tardy, I., Alleaume, C., Bettinger, T., Lutz, A., Paulmurugan, R.
  2019; 9 (21): 6031–46

- **A Bird's-Eye View of Regulatory, Animal Care, and Training Considerations Regarding Avian Flight Research.** *Comparative medicine*
  Baker, S. W., Tucci, E. R., Felt, S. A., Zehnder, A. n., Lentink, D. n., Vilches-Moure, J. G.
  2019

- **US Molecular Imaging of Acute Ileitis: Anti-Inflammatory Treatment Response Monitored with Targeted Microbubbles in a Preclinical Model** *RADIOLOGY*
  Wang, H., Hyvelin, J., Felt, S. A., Guracar, I., Vilches-Moure, J. G., Cherkaoui, S., Bettinger, T., Tian, L., Lutz, A. M., Willmann, J. K.
  2018; 289 (1): 90–100

- **An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo.** *Nature biomedical engineering*
  Vermesh, O., Aalipour, A., Ge, T. J., Saenz, Y., Guo, Y., Alam, I. S., Park, S. M., Adelson, C. N., Mitsutake, Y., Vilches-Moure, J., Godoy, E., Bachmann, M. H., Ooi, et al
  2018; 2 (9): 696-705

- **Bioengineered Viral Platform for Intramuscular Passive Vaccine Delivery to Human Skeletal Muscle** *MOLECULAR THERAPY-METHODS & CLINICAL DEVELOPMENT*
  Paulk, N. K., Pekrun, K., Charville, G. W., Maguire-Nguyen, K., Wosczyna, M. N., Xu, J., Zhang, Y., Lisowski, L., Yoo, B., Vilches-Moure, J. G., Lee, G. K., Shrager, J. B., Rando, et al
  2018; 10: 144–55

- **An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo** *NATURE BIOMEDICAL ENGINEERING*
  Vermesh, O., Aalipour, A., Ge, T., Saenz, Y., Guo, Y., Alam, I. S., Park, S., Adelson, C. N., Mitsutake, Y., Vilches-Moure, J., Godoy, E., Bachmann, M. H., Ooi, et al
  2018; 2 (9): 696–705

- **A Gut Commensal-Produced Metabolite Mediates Colonization Resistance to Salmonella Infection** *CELL HOST & MICROBE*
  Jacobson, A., Lam, L., Rajendram, M., Tamburini, F., Honeycutt, J., Trung Pham, Van Treuren, W., Pruss, K., Stabler, S., Lugo, K., Bouley, D. M., Vilches-Moure, J. G., Smith, M., et al
  2018; 24 (2): 296-+

- **US Molecular Imaging of Acute Ileitis: Anti-Inflammatory Treatment Response Monitored with Targeted Microbubbles in a Preclinical Model.** *Radiology*
  Wang, H., Hyvelin, J., Felt, S. A., Guracar, I., Vilches-Moure, J. G., Cherkaoui, S., Bettinger, T., Tian, L., Lutz, A. M., Willmann, J. K.

2018: 172600

- **A Gut Commensal-Produced Metabolite Mediates Colonization Resistance to Salmonella Infection.** *Cell host & microbe*
  Jacobson, A., Lam, L., Rajendram, M., Tamburini, F., Honeycutt, J., Pham, T., Van Treuren, W., Pruss, K., Stabler, S. R., Lugo, K., Bouley, D. M., Vilches-Moure, J. G., Smith, et al
  2018

- **SETD3 is an actin histidine methyltransferase that prevents primary dystocia.** *Nature*
  Wilkinson, A. W., Diep, J. n., Dai, S. n., Liu, S. n., Ooi, Y. S., Song, D. n., Li, T. M., Horton, J. R., Zhang, X. n., Liu, C. n., Trivedi, D. V., Ruppel, K. M., Vilches-Moure, et al
  2018

- **Bioengineered Viral Platform for Intramuscular Passive Vaccine Delivery to Human Skeletal Muscle.** *Molecular therapy. Methods & clinical development*
  Paulk, N. K., Pekrun, K. n., Charville, G. W., Maguire-Nguyen, K. n., Wosczyna, M. N., Xu, J. n., Zhang, Y. n., Lisowski, L. n., Yoo, B. n., Vilches-Moure, J. G., Lee, G. K., Shrager, J. B., Rando, et al
  2018; 10: 144–55

- **Anatomical Road Mapping Using CT and MR Enterography for Ultrasound Molecular Imaging of Small Bowel Inflammation in Swine.** *European radiology*
  Wang, H. n., Felt, S. A., Guracar, I. n., Taviani, V. n., Zhou, J. n., Sigrist, R. M., Zhang, H. n., Liau, J. n., Vilches-Moure, J. G., Tian, L. n., Saenz, Y. n., Bettinger, T. n., Hargreaves, et al
  2018; 28 (5): 2068–76

- **The E3 ubiquitin ligase Siah1 regulates adrenal gland organization and aldosterone secretion.** *JCI insight*
  Scortegagna, M., Berthon, A., Settas, N., Giannakou, A., Garcia, G., Li, J. L., James, B., Liddington, R. C., Vilches-Moure, J. G., Stratakis, C. A., Ronai, Z. A.
  2017; 2 (23)

- **The E3 ubiquitin ligase Siah1 regulates adrenal gland organization and aldosterone secretion** *JCI INSIGHT*
  Scortegagna, M., Berthon, A., Settas, N., Giannakou, A., Garcia, G., Li, J., James, B., Liddington, R. C., Vilches-Moure, J. G., Stratakis, C. A., Ronai, Z. A.
  2017; 2 (23)

- **AAV Capsid Evolution for Enhanced Antibody Delivery to Human Skeletal Muscle for Use in Next-Generation HIV Vaccines and Muscle Gene Therapies**
  Paulk, N. K., Charville, G., Maguire, K., Pekrun, K., Zhang, Y., Tiffany, M., Vilches-Moure, J., Lee, G., Shrager, J., Rando, T., Kay, M. A.
  NATURE PUBLISHING GROUP.2016: S284–S285

- **Restrictive orbital myofibroblastic sarcoma in a cat--cross-sectional imaging (MRI & CT) appearance, treatment, and outcome.** *Veterinary ophthalmology*
  Thomasy, S. M., Cissell, D. D., Arzi, B., Vilches-Moure, J. G., Lo, W. Y., Wisner, E. R., Dubielzig, R. R., Maggs, D. J.
  2013; 16 Suppl 1 (0 0): 123-9

- **Hepatosplenic and hepatocytotropic T-cell lymphoma: two distinct types of T-cell lymphoma in dogs.** *Veterinary pathology*
  Keller, S. M., Vernau, W., Hodges, J., Kass, P. H., Vilches-Moure, J. G., McElliot, V., Moore, P. F.
  2013; 50 (2): 281-90

- **Myenteric ganglionitis as a cause of recurrent colic in an adult horse.** *Journal of the American Veterinary Medical Association*
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