

## ARTICULOS 2016

### ALUMNOS

- 1 **Agustín Pérez-Fonseca**, Yazmin Alcalá-Canto, Abdelfattah ZM Salem, Aldo B Alberti-Navarro. Anticoccidial efficacy of naringenin and a grapefruit peel extract in growing lambs naturally-infected with Eimeria spp. Veterinary Parasitology. 2016; 232:58-65.
- 2 **Cervantes-Valencia María Eugenia**, Alcalá-Canto Yazmín, Sumano-Lopez Hector, Ducoing-Watty Adriana Margarita, Gutierrez-Olvera Lilia. Effects of curcumin (Curcuma longa) dietary inclusion against Eimeria spp in naturally-infected lambs. Small Ruminant Research. 2016; 136:27-35.
- 3 **Navarrete-Perea J**, Moguel B, Bobes Rj, Villalobos N, Carrero Jc, Sciotto E, Soberón X, Lactette Jp. Protein profiles of Taenia solium cysts obtained from skeletal muscles and the central nervous system of pigs: Search for tissue-specific proteins. Exp Parasitol. 2016; 172:23-29.
- 4 **Padilla-Aguilar Patricia**, Romero-Callejas Evangelina, Osorio-Sarabia David, Ramírez-Lezama José, Cigarroa-Toledo Nohemí, Machain-Williams Carlos, Manterola Carlos And Heliot Zarza. Detection and Molecular Identification of Sarcocystis Rileyi (Apicomplexa: Sarcocystidea) From a Northern Shoveler (Anas Clypeata) in Mexico. Journal of Wildlife Diseases. 2016; 0:931-935.
- 5 **Rosalía Avalos Téllez**, Erika M. Carrillo Casas, Daniel Atilano López, Carlos R. Godínez Reyes, Efrén Díaz Aparicio, David Ramírez Delgado, María F. Ramirez Echenique, Margarita Leyva Leyva, Gerardo Suzan Y Francisco Suarez Güemes. Pathogenic Leptospira serovars in free-living sea lions in the Gul of California and along the Baja California coast of Mexico. Journal of Wildlife Diseases. 2016; 52:199-208.
- 6 **Aguilar Ubaldo**, Hernández Cerón Joel, Domínguez Yesmín, Gutiérrez Carlos G. Ovulation rate, prolificacy and pregnancy rate in goats treated with oral glycerol. Veterinaria México Oa. 2016; 1:1-9.

### TUTORES

- 1 Alfonso-Silva E, Hernández-Pando R, Gutiérrez-Pabello JA. Mycobacterium bovis-infected macrophages from resistant and susceptible cattle exhibited a differential pro-inflammatory gene expression profile depending on strain virulence. Vet Immunol Immunopathol. 2016; 176:34-43.
- 2 Cuevas-Romero S, Rivera-Benítez Jf, Blomström Al, Ramliden M, Hernández-Baumgarten E, Hernández-Jáuregui P, Ramírez-Mendoza H, Berg M. Molecular characterisation of Porcine rubulavirus (PorPV) isolates from different outbreaks in Mexico. Virus Genes. 2016; 52:81-90.
- 3 Ernesto Guzman Novoa, Mollah Md Hamiduzzaman, Ricardo Anguiano Baez, Adriana Correa Benítez, Enrique Castañeda Cervantes Y Noemi I Arnold. First detection of honey bee viruses in stingless bees in North America. Journal of Apicultural Research. 2016; 54:93-95.
- 4 F. D. Sánchez, I. J. Yela, E. Alfonso, J. Campuzano, E. Morales & C. Aguilar. Respiratory tract infection caused by Mycobacterium bovis in a black swan (Cygnus atratus). Avian Pathology. 2016; 45:126-131.
- 5 García-Peña, G. E., Garchitorena, A., Carolan, K., Canard, E., Prieur-Richard, A.-H., Suzán, G., Mills, J. N., Roche, B. And Guégan, J.-F. Niche-based host extinction increases prevalence of an environmentally acquired pathogen. Oikos. 2016; 125:1508-1515.
- 6 **María Elena Trujillo-Ortega**, Rolando Beltrán-Figueroa, Monserrat Eleme Garcia-Hernández, Mireya Juárez-Ramírez, Alicia Sotomayor-González, Erika N. Hernández-Villegas, José F. Becerra-Hernández, Rosa Elena Sarmiento-Silva. Isolation and characterization of porcine epidemic diarrhea virus associated with the 2014 disease outbreak in Mexico: case report. BMC Veterinary Research. 2016; 12:132-132.

- 7 Alicia González-González, Everardo González-Padilla, Francisco Fierro, Ma. De Lourdes Juárez Mosqueda, Juan José Perez-Rivero, Clara Ortega-Camarillo. A single neonatal administration of soybean oil and/or tamoxifen permanently affects testis histomorphology in adult rats. *Veterinaria México Oa.* 2016; 3:1-13.
- 8 Álvaro Ortega León, Aleida Olivares, Everardo González-Padilla, Clara Murcia, Daniel Díaz, Arnulfo Montero Y Gerardo Perera-Marín. Actividad biológica e inmunológica de las isoformas de carga de la hormona luteinizante bovina. *Revista Mexicana De Ciencias Pecuarias.* 2016; 7:29-51.
- 9 Ferraro S.M., G.D. Mendoza, L.A. Miranda, C.G. Gutiérrez. In vitro ruminal fermentation of glycerol, propylene glycol and molasses combined with forages and their effect on glucose and insulin blood plasma concentrations after an oral drench in sheep. *Animal Feed Science And Technology.* 2016; 213:74-80.
- 10 Guzmán A, E. Gonzalez-Padilla, P. Garcés-Yepez, J.V. Rosete-Fernández, R.C. Calderón-Robles, W.D. Whittier, D.H. Keisler, And C. G. Gutierrez. Increased Body Condition Score through increased lean muscle, but not fat deposition, is associated with reduced reproductive response to oestrus induction in beef cows. *Animal.* 2016; 10:1706-1713.
- 11 Arturo Cortes Cuevas, Martha Susana Cedillo Monrroy, Gabriela Gomez Verduzco Analia Balderas Gonzalez, Ernesto Avila Gonzalez. Produccion y calidad del huevo en gallinas en semilibertad alimentadas con diferentes niveles de pasta de canola. *Revista Mexicana De Ciencias Pecuarias.* 2016; 7:173-184.
- 12 Guzman-Cedillo Axel E., Corona Luis, Castrejon-Pineda Francisco, Rosiles-Martínez Rene1, Gonzalez-Ronquillo Manuel. Evaluation of chromium oxide and titanium dioxide as inert markers for calculating apparent digestibility in sheep. *Journal of Applied Animal Research.* 2016; 45:275-279.
- 13 Lopez-Navarro Gabriela, Trigo Francisco, Rodriguez-Monterde Alejandro, Gutierrez-Ospina Gabriel, Schumacher John, Schumacher James. Histological Changes in the Deep Branch of the Lateral Palmar Nerve of Horses With Induced Proximal Suspensory Desmitis. *Journal of Equine Veterinary Science.* 2016; 50:62-68.
- 14 Yaritza Salas, Enrique Aburto, Rogelio A. Alonso, Adelys Márquez, Hortensia Corona, Laura Romero. Association of histological features with potential risk factors and survival in canine mammary tumors. *Veterinaria Mexico Oa.* 2016; 3:online-online.
- 7 Martínez-Chavarría, Lc. Yersinia pestis-host immune cells interactions at early events during bubonic plague infection. *Curr Trop Med Rep.* 2016; 3:51-59.
- 8 Rubén Merino-Guzmán, Juan D. Latorre, Amanda D. Wolfenden, Ramiro Delgado, Billy M. Hargis, Guillermo Tellez. Comparison of total IgA levels in different samples in Leghorn chickens. *Poultry Science.* 2016; 95:120-121.
- 9 Rubén Merino-Guzmán, Juan David Latorre, Ramiro Delgado, Xochitl Hernandez-Velasco, Amanda Desha Wolfenden, Kyle Dean Teague, Lucas Elzie Graham, Brittany Danielle Mahaffey, Mikayla Francis Ann Baxter, Billy Marshall Hargis, Guillermo Tellez. Comparison of total immunoglobulin A levels in different samples in Leghorn and broiler chickens. *Asian Pacific Journal of Tropical Biomedicine.* 2016; 7:1-5.
- 10 Vega-Manríquez X, Huerta-Ascencio L, Martínez-Gómez D, López-Vidal Y, Verdugo-Rodríguez A. Influence of heat-labile serum components of Salmonella gallinarum. *Archives of Microbiology.* 2016; 198:161-169.
- 11 Yazmin Alcalá-Canto, Luis Ocampo Camberos, Héctor Sumano López, Lilia Gutiérrez Olvera, Graciela Tapia Pérez. Anthelmintic resistance status of gastrointestinal nematodes of sheep to the single or combined administration of benzimidazoles and closantel in three localities in Mexico. *Veterinaria México Oa.* 2016; 3: Online.
- 12 Galina C.S. Turnbull F., Noguez-Ortiz A. Factors affecting technology adoption in small community farmers in relation to reproductive events in tropical cattle raised under dual purpose systems. *Open Journal Veterinary Medicine.* 2016; 6:15-20.
- 13 Roldán A, García E, Del Río V, Berruecos Vjm, Zarco L, Valencia J. Edad a la pubertad en corderas Pelibuey hijas de ovejas con actividad reproductiva estacional o continua, nacidas fuera de temporada. *Agrociencia.* 2016; 50:441-448.
- 14 Braulio Valles De La Mora, Epigmenio Castillo Gallegos, Hugo Bernal Barragán. Rendimiento y degradabilidad ruminal de materia seca y energía de diez pastos tropicales cosechados a cuatro edades. *Revista Mexicana De Ciencias Pecuarias.* 2016; 7:141-158.

- 15 Agustín Fernández Salas, Miguel Ángel Alonso Díaz, Rogelio Alejandro Alonso Morales, Roberto Lezama Gutiérrez, José Carlos Rodríguez Rodríguez, José Antonio Cervantes Chavez. Acaricidal activity of *Metarhizium anisopliae* isolated from paddocks in the Mexican tropics against two populations of the cattle tick *Rhipicephalus microplus*. *Medical Veterinary Entomology*. 2016; 0:1-8.
- 16 Carrillo L., Sumano H\*, Medina-Torres L., Tapia G., And Gutiérrez L. Rheological study of healthy chickens pooled tracheobronchial secretions and its modification by mucolytics drugs. *Poultry Science*. 2016; 95:2667-2672.
- 17 Concepción Ramírez, Froylán Ibarra, Herminia I. Pérez, Norberto Manjarrez, Héctor J. Salgado, Lucía Ortega. Assessment and determination of LC50 of carvacrol and salicylic acid analogues with acaricide activity in larvae and adult ticks of *Rhipicephalus (Boophilus) microplus* 2. *Parasite Epidemiology And Control*, 2016; 1:72-77.
- 18 Elizabeth Ortega, Lilia Gutiérrez Olvera, María Josefa Bernad Bernad, Ivan Juárez Rodríguez And Dinorah Vargas Estrada. Evaluation of Different Oral Formulations of Clindamycin Extended Release in Dogs. *Drug Research*. 2016; e-first:1-6.
- 19 Elke Von Son De Fernex, Miguel Angel Alonso Diaz, Pedro Mendoza De Gives, Braulio Valles De La Mora, Alejandro Zamilpa, Manasés González Cortazar. Ovicidal activity of extracts from four plant species against the cattle nematode *Cooperia punctata*. *Veterinaria Mexico*. 2016; 3:1-14.
- 20 Elke Von Son-De Fernex, Miguel Ángel Alonso-Díaz, Pedro Mendoza-De Gives, Braulio Valles-De La Mora, Manases González-Cortazar, Alejandro Zamilpa, Epigmenio Castillo-Gallegos. Elucidation of *Leucaena leucocephala* anthelmintic-like phytochemicals and the ultrastructural damage generated to eggs of *Cooperia* spp. *Veterinary Parasitology*. 2016; 214:89-95.
- 21 Ismael Martínez Cortes, Lilia Gutiérrez, Graciela Tapia, Luis Ocampo, Héctor Sumano. Serum and milk concentrations of enrofloxacin in cows intramammarily treated with a new enrofloxacin-polymorph. *Med Weter*. 2016; 72:686-692.
- 22 Itzcoatl Aquino, Yazmin Alcalá, Lilia Gutiérrez, Graciela Tapia, Helgi Jung & Héctor Sumano. In vivo anticoccidial activity of quinfolin in broilers: a preliminary report. *Italian Journal of Animal Science*. 2016; 15:689-695.
- 15 Braulio Valles De La Mora, Epigmenio Castillo Gallegos, Miguel Angel Alonso Diaz, Eliazar Ocaña Zavaleta, Jesús Jarillo Rodríguez. Live-weight gains of Holstein Zebu heifers grazing a *Cratylia argentea*/Toledo-grass (*Brachiaria brizantha*) association in the Mexican humid tropics. *Agroforestry Systems*. 2016; 90:1-12.
- 16 Carranco-Jauregui Me, Calvo Carrillo Mc, Carrillo-Dominguez S, Fuente-Martinez B, Avila-Gonzalez E. Red crab (*Pleuroncodes planipes*) meal in laying hen rations and their effect on lipid fraction and oxidation of egg stored at different times and temperatures. *Ijrst*. 2016; 2:49-55.
- 17 Cristina Guerrero-Molina A, Adriana Correa-Benítez B, Mollah Md. Hamiduzzaman C, Ernesto Guzman-Novoa C. *Nosema ceranae* is an old resident of honey bee (*Apis mellifera*) colonies in Mexico, causing infection levels of one million spores per bee or higher during summer and fall. *Journal of Invertebrate Pathology*. 2016; 141:38-40.
- 18 Viguera- Villaseñor Rm, Montelongo Solis P, Chavez Saldaña M, Cortes Trujillo L, Rojas Castañeda Jc. Development of germ cell neoplasia in situ in chinchilla rabbits. *Histology And Histopathology*. 2016; 31:573-584.
- 19 Gutiérrez L., Soriano R., Martínez-Cortés I., Miranda-Calderon J. And Sumano H. Pharmacokinetics of a new parenteral formulation of tilmicosin-lactate in cows. *Pakistan Veterinary Journal*. 2016; 36:165-168.
- 20 Ocampo CI, Gómez-Verduzco G, Graciela Tapia-Perez, Gutierrez OI And Sumano LH. Effects of Glycyrrhizic Acid on Productive and Immune Parameters of Broilers. *Brazilian Journal of Poultry Science Revista Brasileira De Ciência Avícola*. 2016; 18:435-443.
- 21 Ríos Utrera, Á., Román Ponce, S. I., Vélez Izquierdo, A., Cabrera Torres, E., Cantú Covarrubias, A., Colín, C., ... & Ruiz López, F. D. J. (2016). Análisis de variables morfológicas de pavos de traspatio mexicanos (*Meleagris gallopavo gallopavo*). *Revista mexicana de ciencias pecuarias*, 7(3), 377-389.
- 22 Martínez Velázquez, G., Román Ponce, S. I., Vélez Izquierdo, A., Cabrera Torres, E., Cantú Covarrubias, A., Colín, C., ... & Vega Murillo, V. E. (2016). Morfometría del cerdo de traspatio en áreas rurales de México. *Revista mexicana de ciencias pecuarias*, 7(4), 431-440.

- 23 **Mendoza J., Martínez-Cortés I., López-Ordaz, R. Gutiérrez L. And Sumano H.** Concentrations of tilmicosin in mammary gland secretions of dairy cows following subcutaneous administration of one or two doses of an experimental preparation of tilmicosin and its efficacy against intramammary infections caused by *Staphylococcus aureus*. *American Journal of Veterinary Research*. 2016; 77:922-930.
- 24 **Del Rio-Avila C.,** Rosario C., Arroyo-Escalante S., Carrillo-Casas E. M., Díaz-Aparicio E., **Suarez-Güemes F.,** Silva-Sanchez J., Xicohtencatl-Cortes J., Maravilla P., Hernández-Castro. Characterisation of quinolone-resistant *Escherichia coli* of 1997 and 2005 isolates from poultry in Mexico. *Br Poult Sci*. 2016; 57:494-500.
- 25 **García-Ruiz A,** Ruiz-Lopez Fj, **Vasquez-Pelaez Cg,** Valencia-Posadas M. Impact of conformation traits on genetic evaluation of length of productive life of Holstein Cattle. *International Journal of Livestock Production*. 2016; 7 (11): 66-75.
- 26 **M. Durán Aguilar,** S.I. Román Ponce, F.J. Ruiz López, E González Padilla, **C.G. Vásquez Peláez,** A. Bagnato Y M.G. Strillacci. Genome-wide association study for milk somatic cell score in holstein cattle using copy number variation as markers. *Journal Animal Breeding and Genetics*. 2016; 42583:1-11.
- 27 **Delgado-Suárez, E.J.,** Rubio-Lozano, M.S., Toledo-López, V.M., Torrescano-Urrutia, G.R., Ponce-Alquicira, E. And Huerta-Leidenz, N. Quality traits of pork semimembranosus and triceps brachii muscles sourced from the United States and Mexico. *Meat Science*. 2016; 122:125-131.
- 28 **Higuera-Piedrahita, R. I., López-Arellano, M. E., López-Arellano, R., Cuenca-Verde, C., & Cuéllar-Ordaz, J. A. (2016).** Evaluación del efecto de las artemisininas provenientes del extracto etanólico de *Artemisia cina* sobre L3 de *Haemonchus contortus* en una técnica de explantes abomasales. *Ciencia y Agricultura*, 13(1), 107-116.
- 29 **Lara-Romero, R., Gómez-Núñez, L., Cerriteño-Sánchez, J. L., Márquez-Valdelamar, L., Mendoza-Elvira, S., Ramírez-Mendoza, H., & Rivera-Benítez, J. F. (2018).** Molecular characterization of the spike gene of the porcine epidemic diarrhea virus in Mexico, 2013–2016. *Virus genes*, 54 (2), 215-224.
- 30 **García-Ruiz, A., Cole, J. B., VanRaden, P. M., Wiggans, G. R., Ruiz-López, F. J., & Van Tassell, C. P. (2016).** Changes in genetic selection differentials and generation intervals in US Holstein dairy cattle as a result of genomic selection. *Proceedings of the National Academy of Sciences*, 113(28), E3995-E4004.

Chávez-Güitrón, L. E., Morales-Montor, J., Muñoz-Guzmán, M. A., Nava-Castro, K. E., Ramírez-Álvarez, H., Moreno-Méndoza, N. A., ... & Alba-Hurtado, F. (2016). The in vitro effect of prolactin on the growth, motility and expression of prolactin receptors in larvae of *Toxocara canis*. *Veterinary parasitology*, 224, 33-38.

## ARTICULOS 2017

### ALUMNOS

- Fernández - Salas, M. A.** **Alonso - Díaz, R. A.** **Alonso - Morales, R.** **Lezama - Gutiérrez, J.C.** **Rodríguez – Rodríguez And J. A.** **Cervantes - Chávez.** Acaricidal activity of *Metarhizium anisopliae* isolated from paddocks in the Mexican tropics against two populations of the cattle tick *Rhipicephalus microplus*. *Medical and Veterinary Entomology*. 2017; 31: 36-43.
- M. López-Pérez,** L. Osikowicz, Y. Bai, J. Monteneri, A. Rubio, K. Moreno, K. Gage, **G. Suzán,** and M. Kosoy. Prevalence and Phylogenetic Analysis of *Bartonella* Species of Wild Carnivores and Their Fleas in Northwestern Mexico. *EcoHealth*. 2017; 14: 116-129.
- Alejandro Vargas-Ruiz,** **Hugo Ramírez-Álvarez,** **José I. Sánchez-Betancourt,** Víctor Quintero- Ramírez, Ignacio C. Rangel-Rodríguez, Joel A. Vázquez-Perez, Lucia A. García-Camacho. Retrospective study of the relationship of Torque teno sus virus 1a and Torque teno sus virus 1b with porcine circovirus associated disease. *The Canadian Journal of Veterinary Research*. 2017; 81:178–185.
- André V. Rubio,** Ivan Castro-Arellano, James N. Mills, Rurik List, Rafael Ávila-Flores, **Gerardo Suzán.** Is species richness driving intra- and interspecific interactions and temporal activity overlap of a hantavirus host? *An experimental test. Plos One*. 2017; 12 (11): 1-19.
- Andrés M. López-Pérez,** Gerardo Carreón-Arroyo, Daniel Atilano, Ana L. Viguera-Galván, Carlos Valdez, Daniel Toyos, Daniel Mendizabal, Jonathan López-Islas, and **Gerardo Suzán.** Presence of Antibodies to *Leptospira* spp. in Black-tailed Prairie Dogs (*Cynomys ludovicianus*) and Beavers (*Castor canadensis*) in Northwestern Mexico. *Journal Of Wildlife Diseases*. 2017; 53 (4): 1-5.

### TUTORES

- \*\*Heliot Zarza,** Enrique Martínez-Meyer, **Gerardo Suzán,** Gerardo Ceballos. Geographic distribution of *Desmodus rotundus* in Mexico under current and future climate change scenarios: Implications for bovine paralytic rabies infection. *Veterinaria México OA*. 2017; 4 (3): 1-16.
- \*\*Rubén Merino-Guzmán,** Juan David Latorre, Ramiro Delgado, Xochitl Hernandez-Velasco, Amanda Desha Wolfenden, Kyle Dean Teague, Lucas Elzie Graham, Brittany Danielle Mahaffey, Mikayla Francis Ann Baxter, Billy Marshall Hargis, Guillermo Tellez. Comparison of total immunoglobulin A levels in different samples in Leghorn and broiler chickens. *Asian Pacific Journal of Tropical Biomedicine*. 2017; 7: 116-120.
- \*\*Sánchez-Betancourt JI,** Cervantes Torres JB, Saavedra Montañez M, Segura Velázquez RA. Complete genome sequence of a novel influenza A H1N2 virus circulating in swine from Central Bajío region, Mexico. *Transboundary and Emerging Diseases*. 2017; 0: 1-10.
- \*\*Braulio Valles-de la Mora,** Epigmenio Castillo-Gallegos, **Miguel Á Alonso-Díaz,** Eliazar Ocaña-Zavaleta, Jesús Jarillo-Rodríguez. Live-weightgains of Holstein x Zebu heifers grazing a *Cratylia argentea*/Toledo-grass (*Brachiaria brizantha*) association in the Mexican humid tropics. *Agroforestry system*. 2017; 91: 1057-1068.
- \*\*María Elena Carranco Jáuregui,** Silvia Carrillo-Domínguez, Benjamín Fuente-Martínez, **Ernesto Ávila-González,** María de Lourdes Solano. Cambios de la fracción hidrosoluble de huevo de gallinas alimentadas con harina de camarón almacenado a diferentes tiempos y temperaturas. *Rev Mex Cienc Pecu*. 2017; 8: 365-373.

6 **Eve-Lyne Quevillon**, Fernando Díaz Otero, Laura Jaramillo Meza, **José Ángel**  
7 **Gutiérrez Pabello**, Felipe Ángel Castañeda Cuevas, Camila Arriaga Díaz, Xochitl Eva  
8 González González Ricardo Lascurain. Assessment of the Immune Response  
9 Induced in Neonatal Calves by Vaccination with Mycobacterium bovis BCG Phipps  
10 Under Field Conditions. Journal of Veterinary Healthcare. 2017; 1: 47-61.

7 **Jesús Sotomayor-Bonilla**, Carlos Antonio Abella-Medrano, Andrea Chaves, Paulina  
8 Álvarez- Mendizábal, Óscar Rico-Chávez, Sergio Ibáñez-Bernal, Melinda K. Rostal,  
9 Rafael Ojeda-Flores, Arturo Barbachano-Guerrero, Gustavo Gutiérrez-Espeleta, A.  
10 Alonso Aguirre, Peter Daszak, and **Gerardo Suzán**. Potential Sympatric Vectors and  
11 Mammalian Hosts of Venezuelan Equine Encephalitis Virus in Southern Mexico.  
12 Journal of Wildlife Diseases. 2017; 53 (3): 657-661.

8 **L. Verdiguél-Fernández**, R. Oropeza-Navarro, Francisco J. Basurto-Alcántara, A.  
9 Castañeda-Ramírez, **Antonio Verdugo-Rodríguez**. Omp31 plays an important role on  
10 outer membrane properties and intracellular survival of *Brucella melitensis* in murine  
11 macrophages and HeLa cells. Archives of Microbiology. 2017; 199: 971-978.

9 **Manuel Saavedra-Montañez**, Héctor Castillo-Juárez, **Iván Sánchez-Betancourt**, José  
10 Francisco Rivera-Benitez, **Humberto Ramírez-Mendoza**. Serological study of  
11 influenza viruses in veterinarians working with swine in Mexico. Archives of Virology.  
12 2017; 162: 1633-1640.

10 **Moserrat Elemi García-Hernández**, Mayra Cruz-Rivera, **José Iván Sánchez-**  
11 **Betancourt**, Oscar Rico-Chávez, Arely Vergara-Castañeda, **María E. Trujillo**, and  
12 **Rosa Elena Sarmiento-Silva**. Seroprevalence of anti-hepatitis E virus antibodies in  
domestic pigs in Mexico. BMC Veterinary Research. 2017; 13: 289-296.

11 **Ninnet Gómez-Romero**, Francisco J. Basurto-Alcántara, **Antonio Verdugo-Rodríguez**,  
12 Fernando V. Bauermann, Julia F. Ridpath. Genetic diversity of bovine viral diarrhoea  
virus in cattle from Mexico. Journal of Veterinary Diagnostic Investigation. 2017; 29  
(3): 362-365.

12 **Rocío Lara-Romero**, Luis Gómez-Núñez, José Luis Cerriteño-Sánchez, Laura  
Márquez-Valdelamar, **Susana Mendoza-Elvira**, **Humberto Ramírez-Mendoza**, José  
Francisco Rivera-Benítez. Molecular characterization of the spike gene of the porcine  
epidemic diarrhoea virus in Mexico, 2013–2016. Virus Genes. 2017; 54: 1-10.

\*\***María Liliana Diosdado Espinoza**, Arturo Cortes Cuevas, **Ernesto Ávila González**. Eficacia de dos  
fitasas bacterianas en la liberación de fósforo en dietas para pollos de engorda en crecimiento.  
Revista Mexicana de Ciencias Pecuarias. 2017; 8: 121-128.

\*\***Valles-de la Mora Braulio**, Castillo-Gallegos Epigmenio, **Alonso-Díaz Miguel**, Ocaña-Zavaleta  
Eliazar, Jarillo-Rodríguez Jesús. Live-Weight gains of Holsteins x Zebu heifers grazing a *Cratylia*  
*argentea*/Toledo-grass (*Brachiaria brizhanta*) association in the Mexican humid tropic. Agroforestry  
System. 2017; 91: 1057-1068

\*\***J Raúl Olmos-Zuñiga**, Mariana Silva-Martínez, Rogelio Jasso-Victoria, Matilde Baltazares-Lipp,  
Claudia Hernández-Jiménez, Ivette Buendía-Roldan, Jazmin Jasso-Arenas, Alan Martínez-Salas,  
Jazmin Calyeca-Gómez, Axel E Guzmán-Cedillo, Miguel Gaxiola-Gaxiola and **Laura Romero-**  
**Romero**. Effects of Pirfenidone and Collagen-Polyvinylpyrrolidone on Macroscopic and Microscopic  
Changes, TGF- $\beta$ 1 Expression, and Collagen Deposition in an Experimental Model of Tracheal Wound  
Healing. Biomed Research International. 2017; 2017: 1-10.

\*\***L Núñez-Ochoa**, V Madrid-Marina and A Gutiérrez-López. Evaluation of Adverse Events in Dogs with  
Adenoviral Therapy by Intralymphnodal Administration in Canine Spontaneous Multicentric  
Lymphosarcoma. Clinics in Oncology. 2017; 2017: 1258-0.

\*\***Quiroz-Rocha GF**, Deravi N, Knight B, Bienzle D. What is your diagnosis? A pigmented round cell  
tumor. Veterinary Clinical Pathology. 2017; 46: 538-539.

\*\***Reyes-Matute A**, Méndez-Bernal A, Ramos-Garduño LA. Osteosarcoma in african hedgehogs  
(atelerix albiventris): five cases. Journal of Zoo and Wildlife Medicine. 2017; 48: 453-460.

\*\***Gutiérrez L**, Zermeño J, **Alcalá Y**, **Sumano H**. Higher bioavailability of doxycycline in broiler chickens  
with a novel in-feed pharmaceutical formulation. Poultry Science. 2017; 96: 2662-2669.

- 13 **Díaz R**, Galina CS, Rubio I, Corro M, Pablos JL, Rodríguez A, Orihuela A. Resumption of ovarian function, the metabolic profile and body condition in Brahman cows (*Bos indicus*) is not affected by the combination of calf separation and progestogen treatment. *Animal Reproduction Science*. 2017; 185: 181-187. 13
- 14 **Granados-Villarreal LM**, **Zarco L**, Mejía O, Sánchez-Torres MT, Pablos-Hach JL. Luteolytic efficiency of reduced doses of cloprostenol in the ewe Effect of progesterone concentrations at the time of treatment. *Animal Reproduction Science*. 2017; 186: 68-76. 14
- 15 **Itzayana Mejía-Flores**, Natalia Chiquete-Félix, Icela Palma-Lara, Salvador Uribe-Carvajal and **María de Lourdes Juárez-Mosqueda**. During capacitation in bull spermatozoa, actin and PLC undergo dynamic interactions. *Zigote*. 2017; 25: 558-566 15
- 16 **Torres-Ortiz MC**, **Gutiérrez-Ospina G**, Gómez-Chavarín M, Murcia C, **Alonso-Morales RA**, Perera- Marín G. The presence of VEGF and Notch2 during preantral-antral follicular transition in infantile rats: Anatomical evidence and its implications. *General and Comparative Endocrinology*. 2017; 0: 82-92. 16
- 17 **I Y Martínez Rojas**, **E Ávila González**, J Arce Menocal, T T Dos Santos, J Rubio Arguello and **C López Coello**. Assessment of a phytase included with lactic acid on productive parameters and on deposition of phosphorus, calcium, and zinc in laying hens fed with sorghum–soybean-meal- based diets. *Journal of Applied Animal Research*. 2017; 46: 314-321. 17
- 18 **Juan C Ángeles Hernández**, Sergio Radic Schilling, Marcela A Vera Arias, Ricardo A Echeverría Pérez, Octavio Alonso Castelán-Ortega, Aurora H Ramírez Pérez & Manuel González Ronquillo. Effect of live weight pre- and post-lambing on milk production of East Friesian sheep. *Italian Journal of Animal Science*. 2017; 17 (1): 1-11. 18
- 19 **Gabriela Lopez Navarro**, **Francisco Trigo Tavera**, Rodriguez Monterde alejandro, James Schumacher, John Schumacher. Histological Changes in the Deep Branch of the Lateral Palmar Nerve of Horses With Induced Proximal Suspensory Desmitis. *Journal of Equine Veterinary Science*. 2017; 50: 62-68. 19
- 20 **Gabriela Lopez Navarro**, **Francisco Trigo Tavera**, Rodriguez Monterde Alejandro, **Gabriel Gutiérrez- Ospina**, Miguel Arechavaleta-Velazco, John Schumacher, James Schumacher. Histological Changes in the proximal suspensory ligament after neurectomy of the Deep Branch of the Lateral Palmar Nerve of Horses With Induced Proximal Suspensory Desmitis. *The Veterinary Journal*. 2017; 227: 46-48. 20
- \*\*Gutierrez OL**, **Alcala Y**, Bernard MJ, **Sumano LH**. Increased bioavailability of tylosin phosphate as in-feed medication for formulated for long-action pellets in broiler chickens. *Poultry Science Association Inc*. 2017; 1: 1-7.
- \*\*Luis Ocampo**, Graciela Tapia, **Gutiérrez Lilia**, **Héctor Sumano**. Effects of glycyrrhizic acid (Viusid-Vet® powder) on the reduction of influenza virus spread and on production parameters in pigs. *Veterinaria Mexico OA*. 2017; 4: 1-13.
- \*\*Hugo H Montaldo**, Alejandra Pelcastre-Cruz, Héctor Castillo-Juárez, Felipe J Ruiz-López, Filippo Miglior. Genotype x environment interaction for fertility and milk yield traits in Canadian, Mexican and US Holstein cattle. *Spanish Journal of Agricultural Research*. 2017; 15 (2): 1-9.
- \*\*Hugo H Montaldo**, Héctor Castillo-Juárez. Response to strict within-family selection with special reference to aquaculture. *Aquaculture Research*. 2017; 48: 5175-5178.
- \*\*Hugo Montaldo**, Carlos Trejo, Carlos Lizana. Genetic parameters for milk yield and reproduction traits in the Chilean Dairy Overo Colorado cattle breed. *Ciencia e Investigación Agraria*. 2017; 44: 24-34.
- Herrera, J., Gómez-Núñez, L., Lara-Romero, R., Diosdado, F., Martínez-Lara, A., Jasso, M., ... & **Rivera-Benítez, J. F.** (2017). Acute neurologic disease in Porcine rubulavirus experimentally infected piglets. *Virus research*, 230, 50-58.
- Rosas-Mendoza, M. E., Coria-Hernández, J., Meléndez-Pérez, R., & Arjona-Román, J. L. (2017). Characteristics of chia (*Salvia hispanica* L.) seed oil extracted by ultrasound assistance. *Journal of the Mexican Chemical Society*, 61 (4), 326-335.
- Díaz-Sánchez, V. M., Rodríguez-Patiño, G., Ramírez-Noguera, P., Ramírez-Bribiesca, J. E., Morales-Álvarez, J. F., Revilla-Vázquez, A. L., & **López-Arellano, R.** (2017). Dose of selenium in goat kids and its effect on the antigenic response to *Mannheimia haemolytica* and oxidative stress. *Small ruminant research*, 153, 171-174.



- 21 [Claudia Karina Alarcón Colín](#), Sara del Carmen Caballero Chacón, [Raquel Lopez Arellano](#), [Luis Ocampo Camberos](#), [Dinorah Vargas Estrada](#). Effectiveness of a quick validated monitoring method for glucose levels in dog blood compared to the traditional chemical method. *Transylvanian Review*. 2017; 25: 6099-6105.
- 22 [Ortega E](#), [Gutiérrez L](#), Bernad MJ, Salmerón F, Juárez I, [Vargas D](#). Evaluation of different oral formulations of clindamycin extended release in dogs. *Drug Research*. 2017; 2017: 32-37.
- 23 [Viveros M](#), Lopez-Ordaz R, [Gutiérrez L](#), Miranda-Calderón JE, [Sumano H](#). Efficacy assessment of an intramammary treatment with a new recrystallized enrofloxacin vs ceftiofur and parenteral enrofloxacin in dairy cows with nonsevere clinical mastitis. *Journal of Veterinary Pharmacology and Therapeutic*. 2017; 41: 1-9.
- 24 [Von Son-de Fernex E](#), [Alonso-Díaz MA](#), Valles-de la Mora B, Mendoza-de Gives P, González- Cortazar M, Zamilpa A. Anthelmintic effect of 2H-chromen-2-one isolated from *Gliricidia sepium* against *Cooperia punctata*. *Experimental Parasitology*. 2017; 178: 1-6.
- 25 [Losada N](#), [Trujillo ME](#), [Galindo F](#). The welfare of pigs in rustic and technified production systems using the Welfare Quality protocols of pigs in Mexico: Validity of indicators of animal welfare as part of the sustainability criteria of pig production systems. *Veterinaria México OA*. 2017; 4(4): 1-15.
- 26 [Pérez-Rivera CM](#), Sanvicente LM, Arnaud FG, Carreón NR. Detección de anticuerpos contra patógenos en cerdos (*Sus scrofa*) asilvestrados y domésticos de la Reserva de la Biósfera Sierra la Laguna, México. *Veterinaria México OA*. 2017; 4 (1): 1-11.
- 27 [Larios HM](#), Martínez HD, Martínez MJ, Aguilar RF, Morales AJ. Serological Evidence of *Mycoplasma mycoides* Subspecies *mycoides* in the Central Area of Veracruz, Mexico. *Pakistan Veterinary Journal*. 2017; 37(2): 165-169.
- 28 María de los Ángeles Peralta Martínez, Imelda Martínez Morales, Marco Linné Unzueta Bustamante, [Hugo H Montaldo](#), Héctor Castillo-Juárez. Morfología del sistema reproductor y del espermatóforo de *Litopenaeus vannamei*, camarón blanco del Pacífico. *Hidrobiologica*. 2017; 23: 313-319.
- 29 [Aguilar-Martínez](#), [Cecilio Ubaldo](#); Berruecos-Villalobos, José Manuel; [Espinoza-Gutiérrez](#), [Bertha](#); Segura-Correa, José Candelario; Valencia-Méndez, Javier; Roldán-Roldán, Antonio. Origen, historia y situación actual de la oveja pelibuey en México. *Tropical and Subtropical Agroecosystems*. 2017; 20: 429-439.

- 30 Solís-Cruz, B., Hernández-Patlán, D., Beyssac, E., Latorre, J., Hernandez-Velasco, X., Merino-Guzman, R., ... & López-Arellano, R. (2017). Evaluation of chitosan and cellulosic polymers as binding adsorbent materials to prevent aflatoxin B1, fumonisin B1, ochratoxin, trichothecene, deoxynivalenol, and zearalenone mycotoxins through an in vitro gastrointestinal model for poultry. *Polymers* , 9 (10), 529.
- 31 Gutiérrez-Amézquita, R. A., Morales-Montor, J., Muñoz-Guzmán, M. A., Nava-Castro, K. E., Ramírez-Álvarez, H., Cuenca-Verde, C., ... & Alba-Hurtado, F. (2017). Progesterone inhibits the in vitro L3/L4 molting process in *Haemonchus contortus*. *Veterinary parasitology* , 248 , 48-53.
- 32 Búrquez, M. D. J. G., Sánchez, T. A. C., Zárate, C. I. S., Miranda, L. C., & Coronado, S. F. (2017). In Vitro Activity of propolis on domestic animal viruses: A review. *Interciência* , 42 (5), 272-276
- 33 González-García, T., Muñoz-Guzmán, M. A., Sánchez-Arroyo, H., Prado-Ochoa, M. G., Cuéllar-Ordaz, J. A., & Alba-Hurtado, F. (2017). Experimental transmission of *Toxocara canis* from *Blattella germanica* and *Periplaneta americana* cockroaches to a paratenic host. *Veterinary parasitology*, 246, 5-10.
- 34 Díaz-Sánchez, V. M., Rodríguez-Patiño, G., Ramírez-Noguera, P., Ramírez-Bribiesca, J. E., Morales-Álvarez, J. F., Revilla-Vázquez, A. L., & López-Arellano, R. (2017). Dose of selenium in goat kids and its effect on the antigenic response to *Mannheimia haemolytica* and oxidative stress. *Small ruminant research* , 153 , 171-174.
- 35 Rodríguez, B., José, J., Vega Murillo, V. E., Ríos Utrera, Á., Martínez Velázquez, G., Arechavaleta Velasco, M. E., & Montaña Bermúdez, M. (2017). Prototipo de evaluación genética nacional para fertilidad de vaquillas Simmental-Simbrah y Charolais-Charbray. *Revista mexicana de ciencias pecuarias*, 8(3), 249-258.
- 36 Solís-Cruz, B., Hernández-Patlán, D., Beyssac, E., Latorre, J., Hernandez-Velasco, X., Merino-Guzman, R., ... & López-Arellano, R. (2017). Evaluation of chitosan and cellulosic polymers as binding adsorbent materials to prevent aflatoxin B1, fumonisin B1, ochratoxin, trichothecene, deoxynivalenol, and zearalenone mycotoxins through an in vitro gastrointestinal model for poultry. *Polymers* , 9 (10), 529.

## ARTICULOS 2018

### ALUMNOS

- 1 **Agustín Fernandez-Salas, Miguel Ángel Alonso - Díaz, Rogelio Alejandro Alonso Morales, Roberto Lezama-Gutiérrez, José Antonio Cervantes-Chávez.** Phylogenetic relationships and acaricidal effects of *Beauveria bassiana* obtained from cattle farm soils against *Rhipicephalus microplus*. *Journal of Parasitology*. 2018; 104 (3): 275-282.
- 2 **Agustín Fernandez-Salas, Miguel Ángel Alonso - Díaz, Rogelio Alejandro Alonso Morales.** Effect of entomopathogenic fungi native from paddock soils against *Rhipicephalus microplus* larvae with different toxicological behavior to acaricides. *Experimental Parasitology*. 2018.
- 3 **Alejandro Vargas-Ruiz, Lucía Angélica García-Camacho, Hugo Ramírez-Alvarez, Ignacio Carlos Rangel-Rodríguez, Rogelio Alejandro Alonso-Morales, José Iván Sánchez-Betancourt.** Molecular characterization of the ORF2 of Torque teno sus virus 1a and Torque teno sus virus 1b detected in cases of postweaning multisystemic wasting syndrome in Mexico. *Transbound Emerg Dis*. 2018; 65 (6): 1806-1815. doi: 10.1111/tbed.12956
- 4 **Alicia Sotomayor-Gonzalez, María E. Trujillo-Ortega, Blanca I. Taboada-Ramírez, Carlos Sandoval-Jaime, Rosa E. Sarmiento-Silva.** Phylogenetic Analysis and Characterization of the complete hepatitis E virus genome (zoonotic genotype 3) in Swine samples from Mexico. *Viruses*. 2018; 26 (8): 391-404. doi:10.3390/v10080391
- 5 **América Ivette Barrera Molinaa, Raquel Cossío Bayúgar, José A. Gutiérrez-Pabello, Ángel Tolentino Tello López, Jesús Francisco Preciado de la Torre, Sergio Darío Rodríguez Camarillo.** Immunolocalización de la proteína VirB11 en la membrana externa de *Anaplasma marginale* y su reacción con sueros inmunes de bovino. *Revista Mexicana de Ciencias Pecuarias*. 2018; 9 (4). <http://dx.doi.org/10.22319/rmcp.v9i4.4508>

### TUTORES

- 1 **\*\*Agustín Orihuela; Gabriel Magri; Diego Cruz; Ivette Rubio; M Corro; Miguel A. Alonso, Rodolfo Ungerfeld.** Physiological reproductive status and progesterone concentration affect the results of temperament assessment tests in female beef cattle. *Livestock Science*. 2018
- 2 **\*\*Alejandro Benítez-Guzmán, Lourdes Arriaga-Pizano, Julio Morán and José A. Gutiérrez-Pabello.** Endonuclease G takes part in AIF-mediated caspase-independent apoptosis in *Mycobacterium bovis*-infected bovine macrophages. *Veterinary Research*. 2018. doi.org/10.1186/s13567-018-0567-1
- 3 **\*\*Ibarra-Velarde F, Vera-Montenegro Y, Flores-Ramos M, Cantó-Alarcón GJ, Hernández-Campos A, Alcalá-Canto Y, Castillo R.** Assessment of the effective dose of an experimental intramuscular formulation against immature and adult *Fasciola hepatica* in sheep. *Veterinary Parasitology*. 2018; 260, 38-44. <https://doi.org/10.1016/j.vetpar.2018.04.012>
- 4 **\*\*Miguel Ángel Alonso Díaz.** Assessment of hepatic parasitic afflictions of Gaddi (breed) goats of North Western Himalayas: a preliminary study. *Veterinary Parasitology*. 2018.
- 5 **\*\*Miguel Ángel Alonso Díaz.** Gastrointestinal and pulmonary parasites of working horses from Colombia. *Veterinary Parasitology*. 2018

6 **Andrés M. López-Pérez**<sup>1</sup>, Kenneth Gage, Andre V. Rubio, John Montenieri, Libertad Orozco, and **Gerardo Suzan**. Drivers of flea (Siphonaptera) community structure in sympatric wild carnivores in northwestern Mexico. *Journal of Vector Ecology*. 2018; 43 (1) 15. DOI: 10.1111/jvec.12278

7 **Barrón-Rodríguez RJ**, Chávez-Maya F, Loza-Rubio E, **García-Espinosa G**. Isolation and characterization of influenza A virus (H6N2) from a temporary artificial pond in Mexico. *Revista Veterinaria México AO*. 2018; 5: 2. doi:10.21753/vmoa.5.2.475-  
doi:10.21753/vmoa.5.2.475

8 **Gómez Romero Ninnet Evelyn**, Basurto Alcántara Francisco Javier, **Verdugo Rodríguez Antonio**, Lagunes Quintanilla Rodolfo, Bauermann Fernando, Ridpath Julia. Detection of border disease in Mexican cattle. *Transboundary and Emerging Diseases*. 2018; 65 (1): 267-271. 10.1111/tbed.12641

9 **Jesus A. Maguey-Gonzalez**, Matias A. Michel, Mikayla F.A. Baxter, Bruno Solis-Cruz, Daniel Hernandez-Patlan, Ruben Merino-Guzman, Xochitl Hernandez-Velasco, Juan D. Latorre, Billy M. Hargis, Guillermo Tellez, Sergio Gomez-Rosales. Effects of humic acids on recovery of *Salmonella enterica* serovar Enteritidis. *Animal Science Journal*. 2018; 18 (2): 387-399. 10.1515/aoas-2017-0037

10 **Jesús A. Maguey-Gonzalez**, Matias A. Michel, Mikayla F.A. Baxter, Guillermo Tellez Jr., Philip A. Moore Jr., Bruno Solis-Cruz, Daniel Hernández-Patlan, Rubén Merino-Guzman, Xochitl Hernandez-Velasco, Juan D. Latorre, Billy M. Hargis, Sergio Gomez-Rosales, Guillermo Tellez-Isaias. Effect of Humic Acids on Intestinal Viscosity, Leaky Gut and Ammonia Excretion in a 24 hours Feed Restriction Model to Induce Intestinal Permeability in Broiler Chickens. *Animal Science Journal*. 2018; 89 (7): 1002-1010. <https://onlinelibrary.wiley.com/doi/abs/10.1111/asj.13011>

11 **Lauro Velazquez-Salinas**, Carolina Stenfeldt, Steven J. Pauszek, Emily S. O'Neil, Hearn, Juan M. Pacheco, Manuel V. Borca, **Antonio Verdugo-Rodríguez**, Jonathan Arzt, y Luis L. Rodríguez. Increased Virulence of an Epidemic Strain of Vesicular Stomatitis Virus Is Associated With Interference of the Innate Response in Pigs. *Frontiers in Microbiology*. 2018; 9, 1-18. 10.3389/fmicb.2018.01891

6 **Minerva Arce- Fonseca**, María Cristina González- Vázquez, Olivia Rodríguez-Morales, Verónica Graullera-Rivera, Alberto Aranda-Fraustro, Pedro A. Reyes, Alejandro Carabarin- Lima, José Luis Rosales -Encina. Recombinant enolase of *Trypanosoma cruzi* as a novel vaccine candidate against Chagas disease in a mouse model of acute infection. *Journal of Immunology Research*. 2018; 1-14. <https://doi.org/10.1155/2018/8964085>

7 **Yazmin Alcala-Canto**, Juan Antonio Figueroa-Castillo, **Froylán Ibarra-Velarde**, Yolanda Vera-Montenero, María Eugenia Cervantes-Valencia, Abdelfattah Z.M. Salem, Jorge Alfredo Cuellar-Ordáz. Development of the first georeferenced map of *Rhipicephalus* (Boophilus) spp. in Mexico from 1970 to date and prediction of its spatial distribution. *Geospatial Health*. 2018; 13 ( 624) 110-117. doi:10.4081/gh.2018.624

8 **F. Jiménez-Trejo**, I. Coronado-Mares, **M. Boeta**, I. González-Santoyo, R. Viguera-Villaseñor, C. Arriaga-Canon, L. Herrera-Montalvo and M. Tapia-Rodríguez. Identification of Serotonergic System Components in Stallion Sperm. *Histology and Histopathology*. 2018. DOI:10.14670/HH-11-989

9 **Juan J. Perez-Rivero**, Angel R. Lozada-Gallegos, Jose A. Herrera-Barragan,. Surgical Extraction of Viable Hen (*Gallus gallus domesticus*) Follicles for In Vitro Fertilization. *Journal of Avian Medicine and Surgery*. 2018; 32 (1): 13-18. <https://doi.org/10.1647/2016-231>

10 **Octavio Mejía Villanueva**, Verónica Hernández Cazadero, Clara Murcia Mejía, Susana Rojas Maya, Cristina Castaño García, Paula Boveda Gómez, Frida Salmerón Sosa, Julián Santiago-Moreno. Progesterone promotes foetal growth in a restricted interspecies gestation (*Ovis canadensis* x *Ovis aries*). *Revista Veterinaria México AO*. 2018; 5 (3).

11 **Atmir Romero-Pérez**, Karen Beauchemin. El uso de inhibidores enzimáticos de la metanogénesis en rumiantes. *Agroproductividad*. 2018; 11 (2): 16-21. <http://revista-agroproductividad.org/index.php/agroproductividad/article/view/113>

- 12 **Lauro Velazquez-Salinas**, Steven J. Pauszek, **Antonio Verdugo-Rodríguez**, y Luis L. Rodríguez. Complete Genome Sequences of Two Vesicular Stomatitis New Jersey Viruses Representing the 2012 U.S. Epidemic Strain and Its Closets Relative Endemic Strain from Southern Mexico. *Genome Announcements*. 2018; 6 (7): 49. [10.1128/genomeA.00049-18](https://doi.org/10.1128/genomeA.00049-18)
- 13 **Luis Alfonso Ramírez Martínez**, Elizabeth Loza Rubio, Juan Mosqueda Gualito, Manuel Leonardo González Garay, **Gary García Espinosa**. Fecal virome composition of migratory wild duck species. *Plos One*. 2018; 13: 11. <https://doi.org/10.1371/journal.pone.0206970>
- 14 **Manuel Saavedra-Montañez**, Luis Vaca, **Humberto Ramírez-Mendoza**, Carmen Gaitán-Peredo, Rebeca Bautista-Martínez, René Segura-Velázquez, Jacquelynne Cervantes-Torres, **José Ivan Sánchez-Betancourt**. Identification and genomic characterization of influenza viruses with different origin in Mexican pigs. *Transboundary and Emerging Diseases*. 2018; 1-9. [10.1111/tbed.12998](https://doi.org/10.1111/tbed.12998)
- 15 **Martínez-Bautista Nancy Rebeca**, **Sciutto Conde Edda**, Cervantes-Torres Jaquelynne, Segura-Velazquez Rene, Mercado García María del Carmen, **Ramírez-Mendoza Humberto**, **Trujillo Ortega María Elena**, Heneidi Zeckua Assad, Delgadillo Alvarez Joaquín, Castillo-Juárez Héctor, **Sanchez- Betancourt José Ivan**. Phylogenetic analysis of ORF5 and ORF7 of porcine reproductive and respiratory syndrome (PRRS) virus and the frequency of wild-type PRRS virus in México. *Transboundary and Emerging Diseases*. 2018; 65 (4): 993-1008. doi: [10.1111/tbed.12831](https://doi.org/10.1111/tbed.12831)
- 16 **Rocio A. Ruiz-Romero**, Roberto A.Cervantes O. Andrés Ducoing Watty, Daniel Martinez Gomez, Efren Diaz A and Estela T. Mendez Olveraparicio. Genatic Analysis Method for Staphylococcus chromogenes associated with goat mastitis. *Polish Journal of Microbiology*. 2018; 67 (2): 1-10. [10.21307/pjm-2018-019](https://doi.org/10.21307/pjm-2018-019)
- 17 **Von Son-de Fernex E**, **Alonso-Díaz MA**, Mendoza de Gives P, Valles-de la Mora B, Castillo-Gallegos. Effect of Gliricidia sepium leaves intake on larval establishment of Cooperia punctata in calves and bio-guided fractionation of bioactive molecules. *Veterinary Parasitology*. 2018; 252: 137-141. [doi.org/10.1016/j.vetpar.2018.02.003](https://doi.org/10.1016/j.vetpar.2018.02.003)
- 18 **Díaz, B.**, Galina, C., Rubio, I., Corro, M., Pablos, J. & Orihuela, A. Monitoring changes in back fat thickness and its effect on the restoration of ovarian activity and fertility in Bos indicus cows. *Reproduction in Domestic Animals*, 53, 495-501. 2018; 53 (2): 2 495-501. <https://doi.org/10.1111/rda.13136>
- 12 **\*\*Atmir Romero-Pérez**, Karen Beauchemin. Estimating gas volume from headspace pressure in a batch culture system. *Canadian Journal of Animal Science*. 2018; 98: 593-596.[dx.doi.org/10.1139/cjas-2017-0100](https://doi.org/10.1139/cjas-2017-0100)
- 13 **\*\*Jarillo-Rodríguez J**, Castillo-Gallegos E, Ramírez y Avilés L, Valles-de la Mora B, Ocaña-Zavaleta E. Producción láctea, comportamiento en pastoreo y calidad de biomasa en pasturas nativas tropicales a diferente carga animal durante dos años. *Tropical and Subtropical Agroecosystems*. 2018; 21 (3): 373-386. <http://www.revista.ccba.uady.mx/ojs/index.php/TSA/article/view/2212/1202>
- 14 **\*\*Hernández-Esquivel MA**, Pérez-Torres A, **Romero-Romero L**, Reyes-Matute A, et al. The dialyzable leukocyte extract Transferon™ inhibits tumor growth and brain metastasis in a murine model of prostate cancer. *Biomedicine & Pharmacotherapy*. 2018; 101: 938-934. [10.1016/j.biopha.2018.03.012](https://doi.org/10.1016/j.biopha.2018.03.012)
- 15 **\*\*Nestor Ledesma**, Adriana Méndez, José A. González, **Elizabeth Morales**. Diffuse unilateral seminoma in a fighting rooster (Gallus gallus). *Brazilian Journal of Veterinary Pathology*. 2018; 11 (1): 32-36. [10.24070/bjvp.1983-0246.v11i1p32-36](https://doi.org/10.24070/bjvp.1983-0246.v11i1p32-36)
- 16 **\*\*Alejandro Villa Godoy**; Rubén Santos Echeverría; Jorge Víctor Rosete Fernández; René Carlos Calderón Robles; Gerardo Perera Marín; Jesús Alejandro Arreguín Arevalo; Terry M. Nett. Kisspeptin in prepuberal heifers: 2. Response of LH, FSH and GH to different doses of kisspeptin-10 and its association with circulating IGF-I and leptin. *Revista Mexicana de Ciencias Pecuarias*. 2018; 9 (4): 719-737. [http://dx.doi.org/ 10.22319/rmcp.v9i4.4192](https://doi.org/10.22319/rmcp.v9i4.4192)
- 17 **\*\*Hector sumano**, **Luis Ocampo**, Graciela Tapia, Corazon de Jesus Mendoza, **Lilia Gutierrez**. Pharmacokinetics of enrofloxacin HCl-2H<sub>2</sub>O (Enro-C) in dogs and pharmacokinetic/pharmacodynamic Monte Carlo simulations against Leptospira spp. *Journal of Veterinary Science*. 2018; 19 (5): 600-607. <https://doi.org/10.4142/jvs.2018.19.5.600>
- 18 **\*\*Luis Enrique García Ortuño**, Norma Bobadilla Sandoval. Integrstiv view of the mechanisms that induce acute kidney injury and its transition to chronic kidney disease. *Rev Invest Clin*. 2018; 70: 261-268.[10.24875/RIC.18002546](https://doi.org/10.24875/RIC.18002546)

- 19 **Ángeles Hernández, J. C.**, Radic Schilling, S., Vera Arias, M. A., Echeverría Pérez, R. A., Castelán-Ortega, O. A., Ramírez Pérez, A. H., & González Ronquillo, M. Effect of live weight pre-and post-lambing on milk production of East Friesian sheep. *Italian Journal of Animal Science*. 2018; 17 (1): 184-194. <https://doi.org/10.1080/1828051X.2017.1349536>
- 20 **Ángeles-Hernández, J. C.**, Guerrero-Loredo, A., Solís-Guzmán, D. A., Ramírez-Pérez, A. H., Ángeles-Campos, S., & González-Ronquillo, M. Efecto del grupo genético sobre características de la curva de lactación ovina. *Ecosistemas y Recursos Agropecuarios*. 2018; 5 (14): 327-333. <http://dx.doi.org/10.19136/era.a5n14.1425>
- 21 **Arturo Cortes Cuevas**, José Luis Muñoz Orozco, Gabriela Gómez Verduzco, **Ernesto Avila González**. Effect of two oil types and energy levels on broiler performance, carcass quality and skin pigmentation. *Austral Journal of Veterinary Science* 2018; 50 (1): 89-94.
- 22 **I. Y. Martinez Rojas, E. Ávila González**, J. Arce Menocal, T. T. Dos Santos, J. Rubio Arguello & **C. López Coello**. Assesment Of A Phytase Included With Lactic Acid On Productive Parameters And On Deposition Phosphorus, Calcium, And Zinc In Laying Hens Fed With Sorghum-Soybean Meal. *Journal Of Applied Animal Research*. 2018; 46 (1): 314-321. 10.1080/09712119.1299740
- 23 **Ingrid Y. Martinez Rojas, C. López Coello, E. Ávila González**, J. Arce Menocal, Gomes. Effect of phytase dose on productive performance and bone status of layers fed with graded levels of digestible lysine. *Revista Veterinaria México AO*. 2018; 5 (3). <http://dx.doi.org/10.22201/fmvz.24486760e.2018.3.5>
- 24 **Juan C. Angeles-Hernandez**, Geoff Pollott, Benito Albarran-Portillo, Aurora H. Ramírez-Perez, Augusto Lizarazo-Chaparro, Octavio A. Castelan Ortogae, Manuel Gonzalez Ronquillo. The application of a mechanistic model to analyze the factors that affect the lactation curve parameters of dairy sheep in Mexico. *Small Ruminant Research*. 2018; 164: 58-63. <https://doi.org/10.1016/j.smallrumres.2018.05.003>
- 25 **Velázquez-Cantón, E.**, de la Cruz-Rodríguez, N., **Zarco, L.**, Rodríguez-Cortez, A. D., Ángeles-Hernández, J. C., Ramírez-Orejuel, J. C., & Ramírez-Pérez, A. H. Effect of selenium and vitamin E supplementation on lactate, cortisol and malondialdehyde in horses undergoing moderate exercise in a polluted environment. *Journal of Equine Veterinary Science*. 2018; 69: 136-144. <https://doi.org/10.1016/j.jevs.2018.07.005>
- 19 **\*\*Soberanis-Ramos O, Arvizu-Tovar LO, Pérez-Rivero JJ.** Tenencia responsable de perros en la Ciudad de México. *Revista de Salud Pública en México*. 2018. <http://dx.doi.org/10.21149/8941>
- 20 **\*\*Sergio I. Román Ponce, Felipe J. Ruíz López, José Luis Romano Muñoz, Carlos G. Vásquez Peláez,** Vicente E. Vega Murillo, Heribert Roman Ponce. Correlaciones genéticas entre producción de leche y características de crecimiento en una población multirracial. *Revista Mexicana de Ciencias Pecuarias*. 2018; 9 (2): 316-327. 10.22319/rmcp.v9i2.4456
- 21 de los Ángeles Marroquín-Tun, M., Higuera-Piedrahita, R. I., **López-Arellano, M. E., López-Arellano, R.,** de la Cruz-Cruz, H. A., Silva-Mendoza, R., & Cuéllar-Ordaz, J. A. (2018). Efecto in vitro de los extractos hidroalcohólico y etanólico de semilla de papaya (*Carica papaya*) en *Haemonchus contortus*. *Ciencia y Agricultura*, 15(1), 53-59.
- 22 del Rosario Martínez-Calles, M., Garrido-Fariña, G. I., González-Díaz, F. R., Nieto-Bordes, J. L., de **Lourdes Juárez-Mosqueda**, M., Soto-Zárate, C. I., ... & García-Tovar, C. G. (2018). Cambios morfológicos del cálamo de las plumas remeras en crecimiento de palomas. *Ciencia y Agricultura*, 15 (2), 15-24.
- 23 Marroquín-Tun, M., Higuera-Piedrahita, R. I., **López-Arellano, M. E., López-Arellano, R.,** de la Cruz-Cruz, H. A., Silva-Mendoza, R., & Cuéllar-Ordaz, J. A. (2018). In vitro effect of the hydroalcoholic and ethanolic extracts of papaya seeds (*Carica papaya*) against *Haemonchus contortus*. *Revista Ciencia y Agricultura*, 15 (1), 53-59.
- 24 Corredor, D. J. G., Anaya, A. M. D., & Medellín, M. O. P. (2018). Prevalencia y factores de riesgo asociados a la presencia de parásitos gastrointestinales en bovinos del municipio de Ventaquemada (Boyacá). *Infometric@-Serie Ingeniería, Básicas y Agrícolas*, 1 (1)
- 25 Murillo, V. E. V., Ponce, S. I. R., Aguilar, M. D., Iquierdo, A. V., Torres, E. C., Covarrubias, A. C., ... & Bagnato, A. (2018). Evaluación morfológica de gallinas de traspatio mexicanas (*Gallus gallus domesticus*). *Revista Mexicana de Ciencias Pecuarias*, 9 (2), 362-375.

- 26 C. Ledesma, C. Rosario, J. Gracia-Mora, G. Tapia, H. Sumano, L. Gutierrez. Influence of chlorine, iodine, and citrate-based water sanitizers on the oral bioavailability of enrofloxacin in broiler chickens. *J. Appl. Poult. Res.* 2018; 83 (5): 726-731. 10.1093/ps/83.5.726
- 27 C. Ledesma, C. Rosario, J. Gracia-Mora, G. Tapia, L. Gutierrez, and H. Sumano. Antibacterial activity of amoxicillin in vitro and its oral bioavailability in broiler chickens under the influence of 3 water sanitizers. *Poultry Science.* 2018; 97 (7): 2391-2399. 10.3382/ps/pey114
- 28 Sara Melisa Arciniegas Ruiz, María Josefa Bernad Bernad, Sara del Carmen Caballero Chacón and Dinorah Vargas Estrada. Glucose Response in Animals Induced with Experimental Diabetes Type 1 after Treatment with Human Insulin Exposed to High Temperatures. *Transylvanian Review.* 2018; 26 (4): 6559-6566. <http://transylvanianreviewjournal.org/index.php/TR/article/view/2436>
- 29 Jesús Sotomayor-Bonilla, Omar García-Suárez, Nohemí Cigarroa-Toledo5, Rosa C. Cetina-Trejo, Ana C. Espinosa-García, Rosa E. Sarmiento-Silva, Carlos Machain-Williams, Diego Santiago-Alarcón, Marisa Mazari-Hiriart and Gerardo Suzán. Survey of mosquito-borne flaviviruses in the Cuitzmala River Basin, Mexico: do they circulate in rodents and bats. *Tropical Medicine and Health.* 2018; 46 (35). doi: 10.1186/s41182-018-0117-6.
- 30 Nieto-Rabiela F, Suzán G, Wiratsadukul A and Rico-Chávez O. Viral metacommunities associated to bats and rodents at different spatial scales. *Community Ecology.* 2018; 19 (2). <http://www.veterinaria.org/revistas/redvet/n060618/061824.pdf>
- 31 Norhan Cortés Fernández de Arcipreste, Karen F. Mancera, Giuliana G. Miguel Pacheco, Francisco Galindo. Plasticity and consistency of lying and ruminating behaviours of heifers exposed to different cubicle availabilities. *Applied Animal Behaviour Science.* 2018; 205: 1-7. doi.org/10.1016/j.applanim.2018.05.020
- 32 Valadez-Noriega M, Estévez-Moreno L.X., Rayas-Amor, A.A., Rubio-Lozano M.S., Galindo M. F. A., Miranda de la Lama G.C. Livestock hauliers' attitudes, knowledge and current practices towards animal Welfare, occupational wellbeing and transport risk factors: A Mexican survey. *Preventive Veterinary Medicine.* 2018; 160: 76-84. [https://www.unboundmedicine.com/medline/citation/30389001/Livestock\\_hauliers](https://www.unboundmedicine.com/medline/citation/30389001/Livestock_hauliers)
- 26 Maguey-Gonzalez, J. A., Michel, M. A., Baxter, M. F., Tellez Jr, G., Moore Jr, P. A., Solis-Cruz, B., ... & Hargis, B. M. (2018). Effect of humic acids on intestinal viscosity, leaky gut and ammonia excretion in a 24 hr feed restriction model to induce intestinal permeability in broiler chickens. *Animal Science Journal*, 89 (7), 1002-1010.
- 27 Domínguez-Pérez, R. A., De la Torre-Luna, R., Ahumada-Cantillano, M., Vázquez-Garcidueñas, M. S., Pérez-Serrano, R. M., Martínez-Martínez, R. E., & Guillén-Nepita, A. L. (2018). Detection of the antimicrobial resistance genes blaTEM-1, cfxA, tetQ, tetM, tetW and ermC in endodontic infections of a Mexican population. *Journal of global antimicrobial resistance*, 15, 20-24.
- 28 Díaz-Sánchez, V., Rodríguez-Patiño, G., Ramírez-Bribiesca, E., Morales-Álvarez, J., & López-Arellano, R. (2018). Evaluation of selenium boluses on productive parameters and IgG in kids immunized with bacterin-toxoid. *Abanico veterinario*, 8(3), 118-129.
- 30 Maguey-Gonzalez, J. A., Michel, M. A., Baxter, M. F., Tellez Jr, G., Moore Jr, P. A., Solis-Cruz, B., ... & Hargis, B. M. (2018). Effect of humic acids on intestinal viscosity, leaky gut and ammonia excretion in a 24 hr feed restriction model to induce intestinal permeability in broiler chickens. *Animal Science Journal*, 89 (7), 1002-1010.
- 30 Zavala-Franco, A., Hernández-Patlán, D., Solís-Cruz, B., López-Arellano, R., Tellez-Isaias, G., Vázquez-Durán, A., & Méndez-Albores, A. (2018). Assessing the Aflatoxin B1 Adsorption Capacity between Biosorbents Using an In Vitro Multicompartmental Model Simulating the Dynamic Conditions in the Gastrointestinal Tract of Poultry. *Toxins*, 10 (11), 484.

- Enrique Jesús Delgado Suárez, Nelly Selem Mojica, Rocío Ortiz López, Wondwossen A. Gebreyes, Marc W. Allard, Francisco Barona Gómez y María Salud Rubio Lozano. Whole genome sequencing reveals widespread distribution of typhoidal toxin genes and VirB/D4 plasmids in bovine-associated nontyphoidal Salmonella. *Scientific Reports*. 2018; 8: 9864. 10.1038/s41598-018-28169-4
- 33
- Nuñez G., Villalobos N., Herrera CP., Navarrete-Perea J, Méndez A., Martínez-Maya J., Bobes R., Fragoso G., Sciutto E., Aguilar L., P del Arenal L. Anti GK1 antibodies damage taenia crassiceps cysticerci through complement activation. *Parasitology Research*. 2018; 117: 2543-2553. 10.1007/s00436-018-5943-2
- 34
- Agustín Nieto-Carmona, María de la Salud Rubio, Pedro A. Alvarado, Graciela Tapia y Luis Ocampo y Héctor Sumano. Non-inferiority trial of two commercial zilpaterol HCl brands in Bos indicus cattle under humid tropical conditions. *Revista Veterinaria México AO*. 2018; 5 (2). <http://dx.doi.org/10.21753/vmoa.5.2.482>.
- 35
- Lara-Romero, R., Gómez-Núñez, L., Cerriteño-Sánchez, J. L., Márquez-Valdelamar, L., Mendoza-Elvira, S., Ramírez-Mendoza, H., & Rivera-Benítez, J. F. (2018). Molecular characterization of the spike gene of the porcine epidemic diarrhea virus in Mexico, 2013–2016. *Virus genes*, 54 (2), 215-224.
- 36
- Solis-Cruz, B., Hernandez-Patlan, D., Hargis, B., & Téllez, G. (2018). Control of Aflatoxicosis in Poultry Using Probiotics and Polymers.
- 38
- Solis-Cruz, B., Hernandez-Patlan, D., Hargis, B., & Téllez, G. (2018). The use of Direct Fed Microbial and Polymers to reduce the severity of aflatoxicosis in broiler chickens.
- 39
- Hernandez-Patlan, D., Solis-Cruz, B., Pontin, K. P., Latorre, J. D., Baxter, M. F., Hernandez-Velasco, X., ... & Tellez, G. (2018). Evaluation of a solid dispersion of curcumin with polyvinylpyrrolidone and boric acid against Salmonella Enteritidis infection and intestinal permeability in broiler chickens: A pilot study. *Frontiers in microbiology*, 9.
- 40
- Hernandez-Patlan, D., Solis-Cruz, B., Hargis, B. M., & Tellez, G. (2018). Chitinous Materials for Control of Foodborne Pathogens and Mycotoxins in Poultry. *Chitin-Chitosan: Myriad Functionalities in Science and Technology*, 261.
- 41



42 Coria-Hernández, J., Méndez-Albores, A., Meléndez-Pérez, R., Rosas-Mendoza, M., & Arjona-Román, J. (2018). Thermal, Structural, and Rheological Characterization of Waxy Starch as a Cryogel for Its Application in Food Processing. *Polymers* , 10 (4), 359.

43 Rodríguez Patiño, G., Castillo Rodríguez, M. A., Ramírez Bribiesca, J. E., Ramírez Noguera, P., Gonsebatt Bonaparte, M. E., & López-Arellano, R. (2018). Development of a method for the determination of 8-iso-PGF2 $\alpha$  in sheep and goat plasma using solid-phase microextraction and ultra-performance liquid chromatography/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry* , 32 (19), 1675-1682.

44 González-Búrquez, M. D. J., González-Díaz, F. R., García-Tovar, C. G., Carrillo-Miranda, L., Soto-Zárate, C. I., Canales-Martínez, M. M., ... & Fonseca-Coronado, S. (2018). Comparison between In Vitro Antiviral Effect of Mexican Propolis and Three Commercial Flavonoids against Canine Distemper Virus. *Evidence-Based Complementary and Alternative Medicine* , 2018 .

45 Aguilera-Morales, M. E., Canales-Martínez, M. M., Ávila-González, E., & Flores-Ortíz, C. M. (2018). Nutritive and bioactive compounds of the aquatic plants Lemna gibba and Ulva lactuca of the middle Basin of Papaloapan with potential as functional foods for tilapia (*Oreochromis niloticus* L.). *Submission article platform-Latin American Journal of Aquatic Research* , 46 (4).

46 Solis-Cruz, B., Hernandez-Patlan, D., Hargis, B., & Téllez, G. (2018). The use of Direct Fed Microbial and Polymers to reduce the severity of aflatoxicosis in broiler chickens.

47 Hernandez-Patlan, D., Solis-Cruz, B., Pontin, K. P., Latorre, J. D., Baxter, M. F., Hernandez-Velasco, X., ... & Tellez, G. (2018). Evaluation of a solid dispersion of curcumin with polyvinylpyrrolidone and boric acid against Salmonella Enteritidis infection and intestinal permeability in broiler chickens: A pilot study. *Frontiers in microbiology* , 9.