



*Faculty of Veterinary and
Animal Science*

**Research Publications
2011**



2011

**Académicos de la Facultad se destacan en negrita.
(Faculty members are bolded)**

1. Baudrand R., Campino C., Carvajal C.A. Olivieri O., Guidi G., Faccini G., Sateler J., Cornejo J., **San Martín B.**, Domínguez J.M., Cerda J., Mosso L.M., Owen G.I., Kalergis A.M., Fardella C.E..2011. Increased urinary glucocorticoid metabolites are associated with metabolic syndrome, hypoadiponectinemia, insulin resistance and beta cell dysfunction *Steroids* 76(14): 1575-1581.
2. Berland M.A., von Baer A., Ruiz J., **Parraguez V.H.**, Morales P., Adams G.P., Ratto M.H. 2011. In vitro fertilization and development of cumulus oocytes complexes collected by ultrasound-guided follicle aspiration in superstimulated llamas. *Theriogenology* 75: 1482-1488.
3. **Borie C.**, Hauva C., Quiroga J., Bravo V., **Sánchez M.L.**, **Morales M.A.**, **Retamal P.**, Retamales J., Robeson J. 2011. Bacteriophage use in laying hens infected with *Salmonella enterica* serovar Enteritidis: prevention of intestinal and reproductive colonization. *Archivos de Medicina Veterinaria* 43: 85-89.
4. Cabane P., Alvo A., **Neira-Carrillo A.**, Caviedes P., Gac P. 2011. Cellular and tissue microencapsulation for cellular therapy. *Revista Chilena de Cirugía* 63: 110-113.
5. Cepeda C.P., **Navarro C.**, **Celedón M.O.** 2011. A serological survey of parainfluenza-3 virus in South American camelids from Chile. *Archivos de Medicina Veterinaria* 43: 177-179.
6. Cornejo J., **Lapierre L.**, **Iraguen D.**, Pizarro N., **Hidalgo H.**, **San Martín B.** 2011. Depletion study of three formulations of flumequine in edible tissues and drug transfer into chicken feathers. *Journal of Veterinary Pharmacology and Therapeutics* 34: 168-175.
7. **De los Reyes M.**, Palomino J., **Parraguez V.H.**, Hidalgo M., Saffie P. 2011. Mitochondrial distribution and meiotic progression in canine oocytes during in vivo and in vitro maturation. *Theriogenology* 75: 346-353.
8. **De los Reyes M.**, Palomino J., **Martínez V.**, Aretio C., Gutiérrez M. 2011. Acrosin release and acrosin activity during incubation in capacitating media using fresh and frozen-thawed dog sperm. *Biological Research* 44: 139-144.

9. Diaz-Lee A., Mercado R., Onuoha E.O., Ozaki L.S., Muñoz P., Muñoz V., Martínez F.J., **Fredes F.** 2011. *Cryptosporidium parvum* in diarrheic calves detected by microscopy and identified by immunochromatographic and molecular methods. *Veterinary Parasitology* 176: 139-144.
10. **Farías G., Garcés H., Larenas J., Ramirez A.M., Lecocq C.** 2011. Enfermedades producidas por priones. *Avances en Ciencias Veterinarias*, 26: 1-10.
11. Flores O., Pérez H., Valladares L., Morgan C., Gatica A., Burgos H., **Olivares R.**, Hernández A. 2011. Hidden prenatal malnutrition in the rat: role of beta(1)-adrenoceptors on synaptic plasticity in the frontal cortex. *Journal of Neurochemistry* 119: 314-323.
12. **Galleguillos M.,** Núñez F., Letelier M., Contesse B., **Adarmes H.** 2011. Detección de isoenzimas sintasas de óxido nítrico (NOS) en membrana sinovial de articulaciones metacarpofalángicas equinas normales y con daño macroscópico. *Archivos de Medicina Veterinaria* 43: 181-185.
13. **Grez A.A.,** Zaviezo T., Mancilla A. 2011. Effect of prey density on intraguild interactions among foliar- and ground-foraging predators of aphids associated with alfalfa crops in Chile: a laboratory assessment. *Entomologia Experimentalis et Applicata* 139: 1-7.
14. **Grez A.A.,** Galetto L. 2011. Fragmentación del paisaje en Latinoamérica: ¿En qué estamos? *In: Simonetti J.A., Dirzo, R. (eds), Conservación Biológica: Perspectivas desde América Latina.* Editorial Universitaria, Santiago, Chile, pp. 63-77.
15. **Iragüen D., Urcelay S., San Martín B.** 2011. Pharmacovigilance in veterinary medicine in Chile a pilot study. *Journal of Veterinary Pharmacology and Therapeutics* 34: 108-115.
16. Larenas V., Herve M., **Maino M., Morales M.S., Pérez P.,** Castellaro G. 2011. Sistemas de clasificación y tipificación en ovinos como estrategia de diferenciación, desarrollo y encadenamiento productivo. Ed. Fundación Chile, 32 p.
17. Larenas V., Herve M., **Maino M., Morales M.S., Pérez P.** y Castellaro G. 2011. Estándar Fundación Chile-Universidad de Chile para clasificación de corderos en pie y aplicación del modelo comunitario de clasificación de canales de ovinos. Ed. Fundación Chile, 16 p.
18. **Muñoz, L.** 2011 Abordaje semiológico del aparato respiratorio. En: Minovich, F.; Paludi, A. *Medicina Felina Práctica.* 3ª Ed. Multimédica Ediciones Veterinarias. Barcelona, España. Capítulo 9. 211 - 227

19. Muñoz, P., **Fredes, F.**, Diaz-Lee, A., Mercado, R., Ozaki, L.S. 2011. Detection of *Cryptosporidium* spp. in calves by using an acid fast method and confirmed by immunochromatographic and molecular assays. *Archivos de Medicina Veterinaria* 43: 111-116.
20. Muñoz P., **Fredes F.**, Raffo E., González-Acuña D., Muñoz L., Cid C. 2011. New report of parasite-fauna of the free-tailed bat (*Tadarida brasiliensis*, Geoffroy, 1824) in Chile. *Veterinary Research Communications* 35: 61-66.
21. Murúa M.M., **Grez A.A.**, Simonetti J.A. 2011. Changes in wing length in the pollinator *Bombus dahlbomii* occurring with the fragmentation of the Maulino forest, Chile. *Ciencia e Investigación Agraria* 38: 391-396.
22. **Neira-Carrillo A.**, Navarrete S., González M.P., **Fernández M.S.**, Yazdani-Pedram M., **Arias J.L.** 2011. Preparation of a porous scaffold based on polypropylene grafted with monomethylitaconate as potential bone graft. *Macromolecular Research* 19: 1105-1113.
23. **Neira-Carrillo A.**, Mercadé-Jaque P., Díaz-Dosque M., Tapia C. Yazdani-Pedram M. 2011. Influence of chitosan grafted poly (vinyl sulfonic acid) as template on the calcium carbonate crystallization. *Journal of the Iranian Chemical Society* 8: 811-824.
24. Paredes R., Godoy P., Rodríguez B., García M.P., Cabezón C., Cabrera G., Jiménez V., Hellman U., **Sáenz L.**, Ferreira A., Galanti N. 2011. Bovine (*Bos taurus*) humoral immune response against *Echinococcus granulosus* and hydatid cyst infertility. *Journal of Cellular Biochemistry* 112: 189-199.
25. Parra E., Ferreira J., **Sáenz L.** 2011. Inhibition of Egr-1 by siRNA in prostate carcinoma cell lines is associated with decreased expression of AP-1 and NF-kappa B. *International Journal of Molecular Medicine* 28: 847-853.
26. **Parraguez V.H.**, Atlagich M., Araneda O., García C., Muñoz A., **De los Reyes M.**, **Urquieta B.** 2011. Effects of antioxidant vitamins on newborn and placental traits in gestations at high altitude: comparative study in high and low altitude native sheep. *Reproduction, Fertility and Development* 23: 285-296.
27. **Peralta, O.A.**, Monardes D., **Duchens M.**, Moraga L., Nebel R. L. 2011. Supplementing transition cows with organic trace minerals or calcium propionate-propylene glycol drenching: Implications for reproductive and productive performances. *Archivos de Medicina Veterinaria* 43: 65-71.
28. **Ramírez G.**, Valck C., Molina M.C., Ribeiro C.H., López N., Sánchez G., Ferreira V.P., Billeta R., Aguilar L., Maldonado I., Schwaeble W., Ferreira A. 2011. *Trypanosoma cruzi* calreticulin: A novel virulence factor that binds

complement C1 on the parasite surface and promotes infectivity. *Immunology* 216: 265-273.

29. **Ramírez G.**, Valck C., Ferreira V.P., López N., Ferreira A. 2011. Extracellular *Trypanosoma cruzi* calreticulin in the host-parasite interplay. *Trends in Parasitology* 27: 115-122.
30. Ratto M.H., **Peralta O.A.**, Mogollon G., Strobel P., Correa J. 2011. Transvaginal ultrasound-guided cumulus oocyte complexes aspiration and in vitro embryo production in suckled and lactating dairy cattle on pasture-based management conditions. *Animal Reproduction Science* 129: 1-6.
31. **Retamal P.**, Ríos M., Cheuquepan F., **Abalos P.**, **Pizarro-Lucero J.**, **Borie C.** Gutiérrez J. 2011. Host associated polymorphisms in the *Corynebacterium pseudotuberculosis* rpoB gene sequence. *Veterinary Microbiology* 151: 400-403.
32. **Retamal P.**, Beltyran C., **Abalos P.**, Quera R., Hermoso M. 2011. Possible association between *Mycobacterium avium* subsp paratuberculosis infection and Crohn`s disease. *Revista Médica de Chile* 139: 794-801.
33. Robeson J., Valencia M., Retamales J., **Borie C.** 2011. Stability inside hen eggs of a *Salmonella enterica* serovar Enteritidis bacteriophage. *Electronic Journal of Biotechnology* 14: article 7.
35. Salgado L.T., Amado Filho G.M., **Fernández M.S.**, **Arias J.L.**, Farina M. 2011. The effect of alginates, fucans and phenolic substances from brown seaweed *Padina gymnospora* in calcium carbonate mineralization *in vitro*. *Journal of Crystal Growth* 321: 65-71.
36. Stum N., **Abalos P.**, Fernández A., Rodríguez G., **Oviedo P.**, Arroyo V., **Retamal P.** 2011. *Salmonella enterica* in Pinnipeds, Chile. *Emerging Infectious Diseases* 17: 2377-2378.
37. Thomson P., **Anticevic S.**, Rodríguez H., Silva V. 2011. In vitro antifungal susceptibility, in vivo antifungal activity and security from a natural product obtained from sunrise oil (AMO(3)) against dermatophytes. *Revista Chilena de Infectología* 28: 512-519.
38. Tobar J.A., Jerez S., Caruffo M., Bravo C., Contreras F., **Bucarey S.**, Harel M. 2011. Oral vaccination of Atlantic salmon (*Salmo salar*) against salmonid rickettsial septicaemia. *Vaccine* 29: 2336-2340.
39. Torres-Pérez F., **Acuña-Retamar M.**, Cook J.A., Bacigalupo A., García A., **Cattan P.E.** 2011. Statistical phylogeography of Chagas disease vector

Triatoma infestans: Testing biogeographic hypotheses of dispersal. *Infection, Genetics and Evolution* 11: 167-174.

40. Valenzuela C., de Romana D.L., Schmiede C., **Morales M.S.**, Olivares M., Pizarro F. 2011. Total Iron, Heme Iron, Zinc, and Copper content in rabbit meat and viscera. *Biological Trace Element Research* 143: 1489-1496.
41. Williams C.G., **Martínez V.**, Magni C. 2011. Inferring past climate change response for *Fitzroya cupressoides*. *Japanese Journal of Historical Botany* 19: 101-107.
42. Yatabe T., Arriagada G., **Hamilton-West C.**, **Urcelay S.** 2011. Risk factor analysis for sea lice, *Caligus rogercresseyi*, levels in farmed salmonids in southern Chile. *Journal of Fish Diseases* 34: 345-354.