



*Faculty of Veterinary and
Animal Science*

**Research Publications
2009**



2009

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

1. **Ábalos P.**, Blank O., Torres D., Valdenegro V., **Retamal P.** 2009. *Brucella* infection in marine mammals in Antarctica. Letter to the editor. The Veterinary Record 164: 250.
2. **Acuña-Retamar M.**, Botto-Mahan C., Canals M., Correa J.P., **Cattan P.E.** 2009 Comparative population dynamics of the bug *Mepraia spinolai*, a sylvatic vector of Chagas' disease, in different hosts. Medical and Veterinary Entomology 23: 106-110.
3. **Adarmes H.**, Solís J.P., Müller A, **Galleguillos M.**, González E. 2009. Determinación de nitrito como metabolito estable del óxido nítrico en el líquido sinovial de articulación metacarpo falángica equina. Archivos de Medicina Veterinaria 41: 257-261.
4. Arias J.I., Torres C., **Sáez D.** 2009. Synovial hemangioma in a dog. Veterinary Surgery 38: 463-466.
5. Arias J.I., **Neira-Carrillo A.**, Yasdani-Pedram M., **Fernández M.S.**, **Arias J.L.** 2009. A new multilayered composite bioceramic for bone graft. In: Kisailus D., Estroff L., Landis W., Zavattieri P., Gupta H.S. (eds), Structure-property relationships in biomineralized and biomimetic composites. Proceedings of the Material Research Society Symposium, Warrendale, PA, Vol. 1187: KK09-02.
6. **Borie C.**, **Sánchez M.L.**, **Navarro C.**, Ramírez S., **Morales M.A.**, Retamales J., Robeson J. 2009. Aerosol spray treatment with bacteriophages and competitive exclusion reduces *Salmonella enteritidis* infection in chickens. Avian Diseases 53: 250-254.
7. Botto-Mahan C., **Acuña-Retamar M.**, Campos R., **Cattan P.E.**, Solari A. 2009. European rabbits (*Oryctolagus cuniculus*) are naturally infected with different *Trypanosoma cruzi* genotypes. American Journal of Tropical Medicine and Hygiene 80: 944-946.
8. Botto-Mahan C., Campos R., **Acuña-Retamar M.**, Coronado X., **Cattan P.E.**, Solari A. 2009. Temporal variation of *Trypanosoma cruzi* Infection in native mammals in Chile. Vector-Borne and Zoonotic Diseases 10: 317-319.

9. **Bucarey S.**, Noriega J., Reyes P., Tapia C., **Sáenz L.**, Zúñiga A., Tobar J.A. 2009. The optimized capsid gene of porcine circovirus type 2 expressed in yeast forms virus-like particles and elicits antibody responses in mice fed with recombinant yeast extracts. *Vaccine* 27: 5781–5790.
10. Canales A., **Godoy A.** 2009. Miopatías post anestésicas en equinos fina sangre de carrera. *Avances en Ciencias Veterinarias* 24: 26-39.
11. **Cattaneo G.**, Bahamondes F., **Flores E.**, Bastías A. 2009. Estudio retrospectivo de los principales sistemas orgánicos afectados en 435 caninos traumatizados (1996-2007). *Avances en Ciencias Veterinarias* 24: 46-48.
12. Coronado X., Rozas M., Botto-Mahan C., Ortíz S., **Cattan P.E.**, Solari A. 2009. Molecular epidemiology of Chagas disease in the wild transmission cycle: the evaluation in the sylvatic vector *Mepraia spinolai* from an endemic area of Chile. *American Journal of Tropical Medicine and Hygiene* 81: 656-659.
13. **De los Reyes M.**, de Lange J., Anguita C., Palomino J., Barros C. 2009. *In vitro* sperm penetration through the zona pellucida of immature and in vitro mature canine oocytes using fresh, chilled and frozen dog semen. *Animal Reproduction Science* 110: 37-45.
14. **De los Reyes M.**, Hetz J., Palomino J. 2009. Ultrastructural study of the canine zona pellucida surface during in vitro maturation. *Reproduction in Domestic Animals*. 44 (Suppl. 2): 247-250.
15. **De los Reyes M.**, Medina G., Palomino J. 2009. Western blot analysis of preacrosin/acrosin in frozen dog sperm during in vitro capacitation. *Reproduction in Domestic Animals*. 44 (Suppl. 2): 350-353.
16. Dörner C., **Godoy A.** 2009. Electrografía en equinos fina sangre de carrera. *Avances en Ciencias Veterinarias* 24: 18-25.
17. Durán M.C., Ramírez H., **Ramírez A.M.**, **Parraguez V.H.** 2009. Effect of phototherapy on plasma bilirubin concentration in newborn foals. *Veterinary Records* 164: 503- 504.
18. **Farías G.**, Machuca A., Bravo C., Madariaga M.C., **Jara M.A.**, **Lecocq C.** 2009. Utilización de inmunoreacciones para la detección de scrapie en óbex de ovinos provenientes de la XII Región de Chile. *Avances en Ciencias Veterinarias* 24: 49-55.
19. **Flores E.**, Melgoza M., **Cattaneo G.**, Bastías A., Grimau D., **Morales M.A.** 2009. Descripción anestesiológica del efecto de un protocolo en base a una asociación de Tiletamina-

Zolazepam, incluyendo como preanestésico el Butorfanol en el conejo doméstico (*Oryctolagus cuniculus*). Avances en Ciencias Veterinarias 24: 40-45.

20. **Flores E., Cattaneo G.,** Bastías A., Grimau D., Soto M.A., **Larenas L.,** Cifuentes F., Sepúlveda M. 2009. Carcinoma de células ceruminosas en perro. Avances en Ciencias Veterinarias 24: 56-61.
21. Galuppo S., Bacigalupo A., García A., Ortiz S., Coronado X., **Cattan P.E.,** Solari A. 2009. Predominance of *Trypanosoma cruzi* genotypes in two reservoirs infected by sylvatic *Triatoma infestans* of an endemic area of Chile. Acta Tropica 111: 90-93.
22. Henríquez P., Donoso D.S., **Grez A.A.** 2009. Population density, sex ratio, fluctuating asymmetry and body size of *Ceroglossus chilensis* (Coleoptera: Carabidae) in the fragmented Maulino forest and surrounding pine plantations. Acta Oecologica 35: 811-818.
23. **Jara M.A.,** Avendaño P., **Navarro C.** 2009. Identificación y estudio de susceptibilidad antimicrobiana de bacterias potencialmente responsables de infecciones nosocomiales en los hospitales veterinarios de la Universidad de Chile. Avances en Ciencias Veterinarias 24: 11-17.
24. **Kobrich C., Maino M.,** Aguilar F. 2009. Modelo analítico jerárquico para la priorización de humedales según riesgo de ingreso de influencia aviar. Economía Agraria 20: 45-54.
25. Luquet G., Le Roy N., **Bucarey S.,** Zanella-Cleon I., Becchi M., **Fernández M.S., Arias J.L.,** Guichard N., Marie B., Marin F. 2009. Characterization of crustacyanin A2 subunit as a component of the organic matrix of the *Cherax quadricarinatus* gastroliths. In: Kisailus D., Estroff L., Landis W., Zavattieri P., Gupta H.S. (eds), Structure-property relationships in biomineralized and biomimetic composites. Proceedings of the Material Research Society Symposium, Warrendale, PA, Vol. 1187: KK05-03.
26. Meléndez P., Marín M.P., Robles J., Ríos C., **Duchens M.,** Archbald L. 2009. Relationship between serum nonesterified fatty acids at calving and the incidence of periparturient diseases in Holstein dairy cows. Theriogenology 72: 826-833.
27. **Morales M.A.,** Varas C., **Ibarra L.** 2009. Caracterización demográfica de la población de perros de Viña del Mar. Archivos de Medicina Veterinaria 41: 89-95.
28. Müller I., **Pinto E.,** Santibáñez M., **Celedón M.O.** 2009. Isolation and characterization of the equine influenza virus causing the 2006 outbreak in Chile. Veterinary Microbiology 137: 172-177.

29. **Muñoz L.**, Baracatt P. 2009. Pesquisa serológica de *Bartonella henselae* en gatos en la ciudad de Santiago. *Avances en Ciencias Veterinarias* 24: 5-10.
30. **Neira Carrillo A.**, Krishna Pai R., **Fernández M.S.**, Carreño E., Vásquez P., **Arias J.L.** 2009. Synthesis and characterization of sulfonated polymethylsiloxane polymer as template for crystal growth of CaCO₃. *Colloid and Polymer Science* 287: 385-393.
31. Nieves-Aldrey J.L., Liljeblad J., Hernández Nieves M., **Grez A.A.**, Nylander J.A.A. 2009. Revision and phylogenetics of the genus *Paraulax* Kieffer (Hymenoptera, Cynipidae) with biological notes and description of a new tribe, a new genus, and five new species. *Zootaxa* 2200: 1-40.
32. Palomino J., **De los Reyes M.** 2009. A scanning electron microscopy study of frozen/thawed dog sperm during in vitro gamete interaction. *Reproduction in Domestic Animals* 44: 278-283.
33. Parra E., Ortega A., **Sáenz L.** 2009. Down-regulation of Egr-1 by siRNA inhibits growth of human prostate carcinoma cell line PC-3. *The Oncology Report* 22:1513-1518.
34. **Parraguez V.H.**, Adams G., Ratto M., **Raggi L.A.** 2009. Échographie du système reproducteur chez les camélidés, In: DesCôteaux, L., Gnemmi, G. Colloton, J. (Eds.). *Guide pratique d'échographie pour la reproduction des ruminants*. Editions Med'Com., Paris, France. Chapter 12: 222-236.
35. **Retamal P.**, Castillo-Ruiz M., Mora C. 2009. Characterization of MgtC, a virulence factor of *Salmonella enterica* serovar typhi. *PlosOne* 4: e5551.
36. Riveros J.L., **Urquieta B.**, Bonacic C., Hoffmann B., Bas F., Schuler G. 2009. Endocrine changes during pregnancy, parturition and post-partum in guanacos (*Lama guanicoe*). *Animal Reproduction Science* 116: 318-325.
37. Ronco A.M., **Sáez D.**, Montenegro M. 2009. Cadmium exposure during pregnancy induces endothelial dysfunction and cardiovascular programming in adult offspring. *Pediatric Research* 65: 478-478.
38. **Sáenz L.**, **Neira-Carrillo A.**, Paredes R., Cortés M., **Bucarey S.**, **Arias J.L.** 2009. Chitosan formulations improve the immunogenicity of a GNRH-I peptide based vaccine. *International Journal of Pharmaceutics* 369: 64-71.
39. Sáez L., García N., **Maino M.**, Leporati M. 2009 Costos de transacción y de producción en explotaciones bovinas de la VII Región del Maule. *Avances en Ciencias Veterinarias* 24: 62-72.

40. Toro J.E., Montoya M.P., **Martínez V.** 2009. Effects of selfing on the additive, environmental and phenotypic variation and on the heritability value for shell length in *Argopecten purpuratus* using an animal model. *Archivos en Medicina Veterinaria* 41: 247-255.
41. **Urcelay S.** 2009. Veterinary epidemiology in Latin America. *Preventive Veterinary Medicine* 92: 288-295.
42. **Urquieta B.**, Durán M.C., Coloma I., **Parraguez V.H.** 2009. hCG-Induced Ovulation in thoroughbred mares does not affect corpus luteum development and function during early pregnancy. *Reproduction in Domestic Animals* 44: 859-864.
43. Valenzuela, C., de Romana, D.L., Olivares, M., **Morales, M.S.**, Pizarro, F. 2009. Total iron and heme content and their distribution in beef meat and viscera. *Biological Trace Element Research* 132: 103-111.
44. **Vergara U.** 2009. Linfocitos T reguladores y respuesta inmune. *Avances en Ciencias Veterinarias* 24: 72-79.
45. Zaviezo T., **Grez A.A.**, Cerda Y. 2009. Species specific response of predators and aphids to habitat loss and fragmentation in experimental alfalfa landscapes. *In: Mason P.G., Gillespie D.R., Vincent C. (eds), Proceedings of the Third International Symposium of Biological Control of Arthropods, Christchurch, New Zealand, pp. 192-201.*