

South America

	University name	Departments	Specialization	Subjects
Argentina	<p style="text-align: center;">Catholic University of Córdoba</p> <p style="text-align: center;">https://www.uccor.edu.ar/</p>	Faculty of Agricultural Sciences	Small and large animals, small ruminants, camelids, cashmere goats and merino sheep	<p>The Faculty carries out in its specialized laboratories services for the analysis of animal feed, diagnosis of diseases and drug and toxic residues in various species and in food. It also has an Animal Reproduction Center that has reproducers, semen and embryos for sale, offers courses on artificial insemination and freezing of semen. Identify objectives to improve the sustainability qualities for the production of small ruminants and camelids in disadvantaged areas, study of the genetic mechanisms of fiber production in South American camelids and merino sheep, population structures and environmental supply of disadvantaged areas where small ruminants and camelids are raised, development of textile technology for fiber processing of camelids, cashmere goats, angora and superfine merino sheep, development and application of reproductive biotechnologies in sheep, goats and camelids, Sustainable development of camelid products and services marketed oriented in Andy region (DECAMA), native African cattle have been introduced as raw material for the formation of breeds applicable to the Argentine sub - tropics. Other research plans are related to the genetic improvement of forage, to South American camelids, the reproduction of bovines and embryo transfer.</p>
	<p style="text-align: center;">National University of the Northeast</p> <p style="text-align: center;">https://www.unne.edu.ar/index.php?lang=es</p>	Faculty of Exact Sciences: Department of Biology, Department of Biochemistry Faculty of Veterinary Sciences: Department of Animal Production Department of Basic Sciences	Amphibians (Anura: Bufsonidae, Anura: Leptodactylidae), cryptotermes brevis (Isoptera, Kalotermitidae), Amphisbaena mertensii Strauch (Squamata: Amphisbaenidae), Amerotyphlops brongersmianus (Serpentes: Typhlopidae), Calliphoridae (Diptera), Chrysocyon brachyurus (Carnivora: Canidae), Termite (Insecta, Isoptera), Chiroptera, cattle, broilers, buffaloes (Bubalus bubalis)	<p>Animal reproduction, histology, herpetology, biodiversity, conservation biology, ecotoxicology, zoology, embryology, reproductive biology, entomology, systematics, zoonotic diseases, dairy science.</p> <p>Projects and publications: biotoxicity of diclofenac on two larval amphibians: assessment of development, growth, cardiac function and rhythm, behavior and antioxidant system, Cuadernos de HERPETOLOGÍA Conservation Action Plan for the Amphibians of Argentina, Histological and immunohistochemical characterization of the integument and parotoids glands Rhinella bergi (Anura: Bufsonidae): Development and differentiation, Altered development, oxidative stress and DNA damage in Leptodactylus chaquensis (Anura: Leptodactylidae) larvae exposed to poultry litter, Amphisbaena trachura Cope, 1885 (Amphisbaenia: Amphisbaenidae): New record for the Northeast of Argentina, New distribution record of cryptotermes brevis (Isoptera, Kalotermitidae) in Argentina, Testicular cycle of Amphisbaena mertensii Strauch, 1881 (Squamata: Amphisbaenidae) in northeastern Argentina, Intrauterine and post-ovipositional embryonic development of Amerotyphlops brongersmianus (Vanzolini, 1976) (Serpentes: Typhlopidae) from northeastern Argentina, Calliphoridae (Diptera) in Human-Transformed and Wild Habitats: Diversity and Seasonal Fluctuations in the Humid Chaco Ecoregion of South America, New findings of helminthes parasites of Chrysocyon brachyurus (Carnivora: Canidae) in Argentina, Termite associations (Insecta, Isoptera) in natural or semi-natural plant communities in Argentina, Effect of using fixed-time artificial insemination protocols (Ovsynch vs. Progesterone) on pregnancy of buffaloes (Bubalus bubalis), Mediterranean breeds in Argentina. Morphometric evaluation of male buffaloes, Effects of diet composition on uniformity at the end of the cycle in broiler chickens.</p>
	<p style="text-align: center;">University of Buenos Aires</p> <p style="text-align: center;">http://www.uba.ar/</p>	The Faculty of Exact and Natural Sciences: Department of Physiology, Molecular and Cellular Biology (FBMC) Institute of Physiology, Molecular Biology and Neurosciences (IFIBYNE) Department of Ecology, Genetics and Evolution (DEGE) Institute of Ecology, Genetics and Evolution of Buenos Aires (IEGE) Department of Biodiversity and Experimental Biology (DBBE) Institute of Biodiversity and Experimental and Applied Biology (IBBEA) Faculty of Veterinary Sciences	Small and large animals, fishes, horses, pigs, cows, calves, rats, llama (Lama glama), wild boars, sea lion (Otaria flavescens), cats, dogs, South American Camelids, alpaca (Vicugna pacos)	<p>Animal production, animal reproduction, animal health, reproductive biology, zoonotic diseases, clinical endocrinology, Apoptosis in porcine cumulus-oocyte complexes: Relationship with their morphology and the developmental competence, Endometrial cytology as a diagnostic tool for subclinical endometritis in beef heifers, Calving assistance influences the occurrence of umbilical cord pathologies treated surgically in calves, Embryo presence regulates NODAL/LEFTY2 system in the rat oviduct in vivo, Segment-Specific Expression of MMP/TIMP in the Oviduct of Llama (Lama glama) and Gelatinolytic Activity in the Oviductal Fluid, Study of Trichinella patagoniensis in wild boars, Trichinella spiralis in a South American sea lion (Otaria flavescens) from Patagonia, Argentina, Mycobacterioses in dogs and cats from Buenos Aires, Argentina, Intravascular papillary endothelial hyperplasia of the conjunctiva in a horse, Frequency of Diphyllbothrium sp. infection in Argentine wild carnivores, Corpus luteum vascularization during the maternal recognition of pregnancy in llamas (Lama glama), Synchronization of time of development of ovarian follicular waves in South American Camelids, Leptin and IGF1 receptors in alpaca (Vicugna pacos) ovaries, Immunohistochemical analysis of the hypothalamic-pituitary-adrenal axis in dogs: Sex-linked and seasonal variation, Pathophysiology of diabetes mellitus and its relationship with obesity in cats, Influence of Water Temperature and Heat Stress on Drinking Water Intake in Dairy Cows, Urinary tract Infection by Oligella ureolytica in a female canine, Calcium and phosphorus metabolism in dogs with chronic renal failure.</p>

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Bolivia	<p>Autonomous University of Beni "José Ballivián" https://www.uajib.edu.bo/uajib/</p>	<p>Faculty of Livestock Sciences INPA –Animal Production Research Institute INITRA- Animal Reproduction Research and Technology Institute</p>	<p>Horses, cattle, pigs, birds, sheep, goats</p>	<p>The veterinary professional is trained to administer programs for the prevention, treatment and control of animal diseases, which allow solving the professional problems of his competence, it develops its functions within the field of animal health and production, applying all its scientific-technical and administrative knowledge. Animal production with productive and economic efficiency, animal handling, feeding, the reproduction, animal and human health. The raising and animal production with productive and economic efficiency, with eco-sustainable efficiency, animal reproduction, with high sustained efficiency, the feeding of the animal population, scientifically designed and executed, the epidemiological protection of the animal population, diagnosis, prevention, control, eradication and treatment of diseases that can affect the collective and individual health of animals and through them to humans, public health (veterinary), based on sanitary hygienic control of products of animal origin, vector control, reservoirs and zoonosis control, the sanitary certification of animals and their derived products, the administration of veterinary activity at regional and national level, protection of the environment and biodiversity.</p>
Brazil	<p>Federal University of Goiás https://international.ufg.br/</p>	<p>Veterinary and Husbandry School</p>	<p>Cattle, pigs, birds (Sporophila maximiliani (Aves: Passeriformes), Japanese laying quails), fishes, River Dolphin, Bothrops moojeni Hoge, Bothrops pauloensis, Aedes aegypti larvae, Aedes aegypti (Diptera: Culicidae), ewes, donkeys (Equus asinus)</p>	<p>Projects and publications: Jataí has the largest herd of cattle in the state and is a large producer of poultry and swine, conservation biology, wildlife conservation, genetic diversity, population genetics, parasitic diseases, genomics, molecular biology, agricultural biotechnology, fish histopathology, Genetic collapse may lead endangered Sporophila maximiliani (Aves: Passeriformes) to extinction, New set of microsatellite markers for the Great billed Seed finch (Sporophila maximiliani – Passeriformes: Thraupidae): tools for inspection and conservation, A New Species of River Dolphin from Brazil or: How Little Do We Know Our Biodiversity, Genetic diversity in populations of the viper Bothrops moojeni Hoge, 1966 in Central Brazil using RAPD markers, A simple method for the detection of Leptolegnia chapmanii from infected Aedes aegypti larvae, Pathogenicity of some hypocrealean fungi to adult Aedes aegypti (Diptera: Culicidae), Generation and In-planta expression of a recombinant single chain antibody with broad neutralization activity on Bothrops pauloensis snake venom, Snake Venom L-Amino Acid Oxidases: Trends in Pharmacology and Biochemistry, Earwax metabolomics: An innovative pilot metabolic profiling study for assessing metabolic changes in ewes during periparturition period, Earwax: A clue to discover fluoroacetate intoxication in cattle, Evaluation of cardiorespiratory and biochemical effects of ketamine-propofol and guaifenesin-ketamine-xylazine anesthesia in donkeys (Equus asinus), Xylanase and β-glucanase in diets for Japanese laying quails.</p>
	<p>Federal University of Pampa https://unipampa.edu.br/portal/#</p>	<p>Campus Dom Pedrito: Natural Science, Specialization in Animal Production, Zootechnics Campus São Gabriel: Biotechnology, Biological Sciences</p>	<p>Horses, domestic animals, beef cattle, dairy cattle, birds, ruminants, sheep, buffaloes, scorpions Tityus uruguayensis and Bothriurus bonariensis, Drosophila melanogaster, Zebrafish (Danio rerio)</p>	<p>Identification and quantification of gastrointestinal nematodes and coccidia present in naturally infected buffaloes in the municipality of Rosário do Sul, RS., identification of gastrointestinal helminths found in ruminants in the city of Dom Pedrito, Resistance in the horse: comparative genetics of resistance lines, evaluation of the effectiveness of anthelmintics and parasitic resistance in sheep in the region of Campanha Gacha, study of a milk production system in small ruminants supplemented with brown rice brand for the production of derivatives, RS and evaluation of the in vitro activity of anthelmintics on infective larvae (L3), influence of thermal stress on the physiological, hematological and biochemical patterns of sheep, research in beef cattle, occurrence, etiology and possible treatments of bovine mastitis in the city of Dom Pedrito, quality meat production in different lamb feeding systems in the Campaign Region of Rio Grande de Sul - RS diagnosis and identification of microorganisms of veterinary and zootechnical interest, beef cattle behavior and welfare workshop, diagnosis, development and application of technology transfer actions for dairy farms in the municipality of Dom Pedrito, birdlife at the Pampa Resort, hematological evaluation of domestic animals: University Extension, technical assistance and updating in Beef Cattle for Dom Pedrito and region with a focus on family ranchers and the conservation of natural resources, parasitological Assistance for Don Pedrito Producers, Rs and Guidance on Prevention of Parasitic Diseases in Schools in the Region, analysis of the venom of the scorpions Tityus uruguayensis and Bothriurus bonariensis, Characterization and validation of alternative models based on Drosophila melanogaster and Zebrafish (Danio rerio) for toxicological tests and study of compounds of botanical origin.</p>

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	<p align="center">Federal University of Paraná https://www.ufpr.br/portalufpr/</p>	<p align="center">The Agrarian Sciences Sector: Veterinary Medicine and Zootecnics The Biological Sciences Sector: Departments: Anatomy, Cell Biology, Biochemistry and Molecular Biology, Pharmacology, Physiology, Genetics, Basic Pathology, Prevention and Rehabilitation in Physiotherapy and Zoology. The Earth Sciences Sector: Marine Sciences The Pallottine Campus: Veterinary, Biological Sciences with Emphasis on Environmental Management, CST in Aquaculture, CST in Biotechnology and CST in Biofuels.</p>	<p align="center">Hymenoptera, Chiroptera, amphibians, Viperidae snake, fishes: (dusky grouper (<i>Epinephelus marginatus</i>), lane snapper, <i>Lutjanus synagris</i>, <i>Centropomus parallelus</i> (Teleostei)), Lepidoptera: Nymphalidae: Heliconiinae: Acraeini, <i>Triatoma dimidiata</i>, <i>Aegla schmitti</i> (Decapoda, Anomura), neotropical stingless bee (Hym., Anthophila), horses, Wistar rats</p>	<p>Project and publications: physiology, zoology, animal ecology, conservation biology, entomology, taxonomy, biodiversity, marine ecology, herpetology, genetics, molecular biology, fisheries science, reproductive biology, environmental physiology, freshwater fish ecology, zoonotic diseases. Amphibians of the northern coast of the state of Paraná, Brazil, Anurans of anthropogenic areas and remnants of Semideciduous Forest in western State of Paraná, Brazil, First record of predation by <i>Pseudopaludicola mystacalis</i>, Macroecology and macroevolution of Viperidae snake, Evaluation of dusky grouper (<i>Epinephelus marginatus</i>) overfishing in southern Brazil: a proposal based on size and biological indicators, Reproductive biology of the lane snapper, <i>Lutjanus synagris</i>, and recommendations for its management on the Abrolhos Shelf, Brazil, Amphibians of the northern coast of the state of Paraná, Brazil, Characterization of sexual dimorphism and male color morphs of <i>Tropidurus semitaeniatus</i> (Spix, 1825) in three populations from northeast of Brazil, A New and Rare Actinote Hübner (Lepidoptera: Nymphalidae: Heliconiinae: Acraeini) from Southeastern Brazil, Bats from southern Brazil: Comparative analysis of species richness, new records and nomenclatural update (Mammalia, Chiroptera), Determination of insecticides' lethal concentrations and metabolic enzyme levels in <i>Triatoma dimidiata</i>, Asynchronous Hatching and Extended Parental Care in <i>Aegla schmitti</i> (Decapoda, Anomura), <i>Scaptotrigona marialiceae</i>, a new species of neotropical stingless bee (Hym., Anthophila), from southern Brazil, Potentially Same Novel Ehrlichia Species in Horses in Nicaragua and Brazil, Occurrence of gastrointestinal parasites in wild animals in State of Paraná, Brazil, In vitro efficacy of <i>Duddingtonia flagrans</i> against nematodes of sheep based on in vivo calculations, Olfaction in female Wistar rats is influenced by dopaminergic periglomerular neurons after nigral and bulbar lesions</p>
	<p align="center">Rural Federal University of Rio de Janeiro http://portal.ufrrj.br/</p>	<p align="center">Institute of Biological and Health Sciences: Department of Animal Biology Department of Physiological Sciences Department of Entomology and Phytopathology Department of Genetics The Animal Science Institute: Department of Animal Production of the Animal Science Institute of UFRRJ Department of Animal Nutrition and Pasture of the Animal Science Institute of UFRRJ Department of Animal Reproduction and Evaluation of the Animal Science Institute of UFRRJ The Veterinary Institute: Department of Epidemiology and Public Health (DESP) Department of Veterinary Microbiology and Immunology (DMIV) Department of Veterinary Medicine and Surgery (DMCV) Department of Animal Parasitology (DPA)</p>	<p align="center">Ruminants, horses, broilers, bees, beef cattle, Chiroptera and blood-suckling bats</p>	<p>Anatomy, histology, zoology, veterinary medicine, animal science, agricultural sciences, biological sciences, animal biology, swine production, nutrition and management, ruminant milk and feed production systems, evaluation of growth, morphology, locomotion kinematics, nutrition and feeding of horses, production of eggs and broilers, poultry production, marine aquaculture, beekeeping, beef cattle, production and animal management, ruminant production and animal reproduction, metabolomics and physiology of muscle contraction, animal food assessment, pasture and forage, animal pathology, food evaluation for ruminants, protein-energy supplementation, in vitro and in situ digestion, genetics and breeding of domestic animals, pathophysiology of animal reproduction and epidemiology, animal biotechnology, zoonoses. Evaluation of aspects of knowledge about zoonoses. Bioecology and control of Parasitoses of importance to Veterinary Physicians and Public Health. Strategic methods of Animal Parasitic control. Program of Good Practices of Animal Production in Rural Properties. Research, diagnosis, prevention and control of diseases of farm animals with emphasis on rabies, brucellosis, tuberculosis and infectious anemia in horses.</p>

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Chile	<p>Pontificia University Católica de Chile</p> <p>https://www.uc.cl/</p>	<p>Faculty of Agronomy and Forest Engineering: Department of Animal Sciences School of Veterinary Medicine Faculty of Biological Sciences: (Biology, Biochemistry and Marine Biology): Department of Cellular and Molecular Biology Department of Physiology Department of Ecology and Molecular Genetics Department of Microbiology The Institute of Biological and Medical Engineering The School of Veterinary Medicine</p>	<p>Cattle, sheep, pigs, poultry, salmon, llamas, rabbits, zebrafish</p>	<p>Metabolism, physiology, nutrition, reproduction and production systems of animal species for the manufacture of food such as cattle (cattle for milk and meat), sheep (sheep for milk, meat and wool), pigs (meats and by-products), poultry (eggs and meats), salmon and native species such as llamas and rabbits, feeding and nutrition physiology, reproductive physiology, grassland and forage production, livestock ecology, management, sustainable production systems, and product processing, aspects related to neonatal physiology and nutrition (calves, piglets), liver and mammary gland metabolism, growth physiology (meat), genetics, hybridism in milk production (mixtures of breeds to improve productive and fertility characteristics), genotypes related to milk production characteristics, ruminal physiology investigates how to improve rumen conditions to create an optimal environment for bacteria to take advantage of the nutrients in the diet, the management of the different production systems, nutrition and food, focusing on the search for new sources of protein and energy for forage, with the aim of optimizing animal welfare and the sustainability of the sector, milk quality factors such as the composition of fat and modulation of the composition of milk fatty acids, with the aim of ensuring this food still has nutritional quality most optimal for human health. Within this line, it is also investigated how to produce, from the organoleptic and nutritional point of view for human health, better quality meat to improve animal welfare and the sustainability of production systems. Formation, differentiation and maintenance of stem cells of the vascular and blood systems during embryonic development in zebrafish. Furthermore, we investigated niche and relationships between multipotent blood cells and their origin in the vascular endothelium, the control of arteriolar resistance (balance between local and systemic signals, effect of neurotransmitters and humoral messengers, smooth muscle activity and endothelial modulation, flow-induced responses), the relationship of the immune and nervous systems in the context of pain, study the chemoreceptors of oxygen and their participation in normal physiology and in diseases such as sleep apnea. Autophagy in the hypothalamus is responsible for maintaining homeostasis in this region of the brain, there by regulating appetite. Furthermore, their investigation of the autophagy mechanism aims to generate novel therapeutic strategies for the treatment of obesity and other metabolic diseases. The neural mechanisms that regulate food consumption and the relevance of these behaviors in metabolic disorders such as obesity. In their group they have two lines of research: (1) in animal models, they study how different neuropeptides (orexin, dynorphin, and glucagon-like peptide 1 neuropeptides) regulate food consumption and selection depending on different physiological and environmental factors (obesity, food preference and availability) and the mechanisms that mediate its effects. (2) in human subjects, they have begun to develop methods to assess conflict resolution in the choice between healthy and unhealthy foods but they are tastier and their contribution to the development of obesity (Claudio Pérez).</p>
Ecuador	<p>San Francisco University of Quito</p> <p>http://www.usfq.edu.ec/english/Paginas/default.aspx</p>	<p>The College of Biological and Environmental Sciences: Department of Biotechnology Institute of Microbiology Institute of Applied Ecology ECOLAP UNIGIS GEOcenter - USFQ BIOSFERA Institute The College of Health Sciences (Veterinary Medicine) Institute of Neurosciences Institute of Research in Biomedicine of the USFQ</p>	<p>Cattle, mice, rabbits, guinea pigs and ram lambs, fishes</p>	<p>Biodiversity, ecology and evolution, reproductive biology, stem cells, molecular biology and biotechnology, genetic diversity, animals breeding, reproductive biology. Isolation, Culture, Cryopreservation, and Identification of Bovine, Murine, and Human Spermatogonial Stem Cells, Differential role of r-met-hG-CSF on male reproductive function and development in prepubertal domestic mammals, Active immunization against GnRH in pre-pubertal domestic mammals. Testicular morphometry, histopathology and endocrine responses in rabbits, Guinea pigs and ram lambs, Alcohol-based solutions for bovine testicular tissue fixation, An overview of spermatogonial stem cell physiology, niche and transplantation in fish.</p>

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Peru	Cayetano Heredia University https://www.cavetano.edu.pe/cavetano/es/	Faculty of Science and Philosophy (Biology) Faculty of Veterinary Medicine and Zootechnics	Cattle, pigs, small animals, dogs, fishes, horses, camelids, alpaca (Vicugna pacos), llama (Lama glama), (Lama pacos), Green Sea Turtles (Chelonia mydas), boa (Boa constrictor), dolphin (Delphinus capensis)	Animal physiology, anatomy, zoonotic diseases, fisheries science, animal reproduction, animal breeding, animal genetics, biomedical, epidemiology, biotechnological, genetic and genomic, ecological and environmental sciences areas, Progesterone levels in peripheric and utero-ovarian circulation in alpaca Progesterone levels in the utero-ovarian and peripheral circulation in alpacas, Risk factors in the presentation of effort-induced pulmonary hemorrhage (EIPH) in race horses, Evaluation of the animal welfare conditions of South American camelids entering the municipal litter of Huancavelica, Peru, Morphology of alpaca (Vicugna pacos) embryos in the first third of pregnancy, Macroscopic and microscopic characterization of the reproductive glands of the male llama (Lama glama), Macroscopic anatomy of the alpaca neck muscles (Lama pacos), Hematologic, Morphometric, and Biochemical Analytes of Clinically Healthy Green Sea Turtles (Chelonia mydas) in Peru, Fecal impact on a boa (Boa constrictor). Diseases, lesions and malformations in the long-beaked common dolphin Delphinus capensis from the Southeast Pacific, Detection of Enrofloxacin residues in muscle samples from cattle sold in retail markets in the North Zone of Lima, Peru, African Swine Fever: A threat to animal health and food security, from the human bond with companion animals to the emotional impact of their loss, notes on the impact of keeping wildlife species as pets, causes and economic impact of the seizure of pig viscera in a slaughterhouse.
	Scientific University of the South https://www.cientifica.edu.pe/	Veterinary and Biological Sciences: Marine Biology Aquaculture Engineering Veterinary Medicine	Domestic and wild animals, poultry, guinea pigs, rabbits, pigs, ruminants, horses, cattle, aquatic animals	Veterinary surgery: pets, farm and wild animals, anesthesia in domestic and wild animals, nutrition and animal feeding, genetic improvement of animals for disease resistance, canine and feline diseases, production of poultry, guinea pigs, rabbits, pigs, ruminants, horses, cattle, ecology of reptiles, birds and marine mammals, reproduction of aquatic animals, aquatic animal nutrition, genetics of aquatic organisms.
Venezuela	Central University of Venezuela http://www.ucv.ve/	School of Biology: Department of Cell Biology Department of Zoology Institute of Experimental Biology (IBE) Institute of Zoology and Tropical Ecology (IZET) The Faculty of Veterinary Science	Bufo marinus, sea turtles, Acropora palmata (Scleractinia: Acroporidae), fishes	The origin, development, structure, physiology, distribution, inheritance, ecology and other fundamental aspects of living organisms in natural or laboratory conditions, comparative anatomy, embryology and general zoology, behavioral ecology, entomology, parasitic diseases, genomics, A whole-cell patch clamp study of ionic currents in single atrial cells of the tropical toad Bufo marinus, The Sea Turtles Decreasing nesting trends at the Paria Gulf, Venezuela, Population assessment of Acropora palmata (Scleractinia: Acroporidae): relationship between habitat and reef associated species, Spatial and temporal variation in diet composition of fishes in a tropical stream, Venezuela.