



International Congress on Tropical Veterinary Medicine

II Joint AITVM-STVM Meeting

*Animal Health in the Tropics:
Building the puzzle from research to application*

Panamericano Hotel, Buenos Aires, Argentina
September 23-28, 2018

Chronogram

Sunday, September 23	
17:30-19:30	<i>Accreditation</i>
19:30-21:00	<i>Cheese and wine cocktail</i> <i>Performance of the choir: "Ensamble Vocal Buenos Aires" directed by Marcelo Ortiz Rocca</i>
Monday, September 24	
8:00-9:00	<i>Accreditation</i>
9:00-9:30	<i>Opening Ceremony</i> - Monica Florin-Christensen. Opening of TropVetMed2018 - Christine Maritz Olivier: Welcome message from the Society of Tropical veterinary Medicine (STVM) - Mohd Hair Bejo: Welcome message from the Association of Institutions of Tropical Veterinary Medicine (AITVM) - Hector Espina: Welcome message from the National Institute of Agriculture Technology of Argentina (INTA)
9:30-10:20	<i>Plenary Lecture: Genomics and other omics</i> Kelly Brayton. The tick microbiome: interactions and implications for pathogen transmission (GO_Plenary)
10:20-11:00	<i>Coffee break</i>
11:00-12:30	<i>Short Oral Communications: Genomics and other omics</i> <i>Chair: Christine Maritz Olivier</i> - Nathaly Vachery. Genetic diversity of <i>Ehrlichia ruminantium</i> in Mozambique (GO7) - Joana Ferrolho. Small heat shock protein knockdown affects <i>Ehrlichia canis</i> infection and multiplication in cultured tick cells (GO9) - Joana Couto. Uncovering new vaccine targets by exploring <i>Rhipicephalus bursa</i> sialome (GO10) - Javed Ahmed Ujan. Ash and protein content in <i>Bos indicus</i> meat are associated with mutation C6574T (GO8) - Sandra Antunes. Focusing in cellular stress response by exploring the <i>Babesia bigemina</i> - <i>Rhipicephalus annulatus</i> interactome (GO14) - Kelly Brayton. The <i>Anaplasma ovis</i> genome: highlights and comparative analysis (GO16)
12:30-14:00	<i>Free time</i>

14:00-14:50	<i>Plenary Lecture: Taxonomy and Evolution</i> - Leonhard Schnittger. Molecular phylogeny of piroplasmids: is there more to come? (TE_Plenary)
14:50-15:20	<i>Coffee break</i>
15:20-17:20	<i>Short Oral Communications: Disease Diagnostics and Validation</i> <i>Chair: Arve Lee Willingham</i> - Muhammad Ijaz. First molecular evidence of equine granulocytic anaplasmosis in Pakistan (DV1) - Selwyn Headley. Immunohistochemical evidence of additional cases of <i>Neorickettsia helminthoeca</i> in dogs from Southern Brazil (DV2) - Majeeda Ruk. Screening of mastitis in dairy cattle of district Khairpur, Sindh, Pakistan (DV7) - Jorge Parra. Seroprevalence and risk factors associated to porcine circovirus-2 in pig herds in the locality of Acacias, Meta, Colombia, 2017 (DV8) - Selwyn Headley. Histopathologic and molecular survey of infectious disease agents associated with bovine respiratory disease in dairy cattle from Southern Brazil (DV12) - Esayas Gelaye. A novel HRM assay for the simultaneous detection and differentiation of eight poxviruses of medical and veterinary importance (DV15) - Patricia Pow-Brown. A retrospective study (2013 to 2017) on canine and feline hemopathogens from clinical records and blood films from a veterinary diagnostic laboratory in Trinidad and Tobago (DV20) - Martín Allassia. <i>Trypanosoma</i> sp. infection in cattle in Argentina. Distribution and characterization of diagnosed cases (DV23)
18:00-21:00	<i>Trip to Palermo horse-racing tracks</i>
Tuesday, September 25	
9:00-9:50	<i>Plenary Lecture: Immunology and Immunity</i> - Cynthia Baldwin. Cellular immune responses by bovine $\gamma\delta$ T cells to pathogens are directed by the WC1 hybrid pathogen recognition receptors and signaling co-receptors (II_Plenary)
9:50-10:20	<i>Session Lecture: Immunology and Immunity</i> Christine Maritz-Olivier. Comparison of the differential regulation of T and B-lymphocyte subsets in the skin and lymph nodes amongst three cattle breeds as potential mediators of immune-resistance to <i>Rhipicephalus microplus</i> (II5)
10:20-10:30	<i>Group photograph</i>
10:30-12:30	<i>Coffee break and Poster sessions: GO, TE, II, VD, DV, VB, CD</i> - Jae-Hwan Lee. Different expression of calcium channels in holstein and hanwoo (korean cattle) in the duodenum and kidney (GO1) - Kgomotso Sibeko-Matjila. Essential proteins identified among <i>Theileria parva</i> hypothetical proteins using an <i>in silico</i> approach (GO2) - Eui-Bae Jeung. Nitric oxide prevents H ₂ O ₂ -induced apoptosis via PKG/PI3K/Akt in SK-N-MC cells (GO3) - Eui-Bae Jeung. Calcium binding protein ablation induces diabetes mellitus-like clinical signs in mice (GO4) - Eui-Bae Jeung BPA and OP aggravate Type 1 DM by disrupting calcium homeostasis in pancreatic β^2 cell (GO5) - Eui-Bae Jeung Calbindin-D9k deficiency exhibits memory deficits and pathological changes in mouse brain (GO6) - Kelly Brayton. Bacterial blood microbiome of rodents captured from a human/livestock/wildlife interface in Bushbuckridge, South Africa (GO13) - Cecilia Decker Franco. <i>Sarcocystis aucheniae</i> transcriptome sequencing and prediction of GPI-anchored proteins (GO15) - Pedro E. Encinosa Guzman. Identification of the <i>Amblyomma mixtum</i> tick species in hosts of economic interest in Cuba (TE1) - Tshifhiwa Nefefe. Transcriptome analysis of the protective adaptive immune response of PBMC isolated from sheep after infection and challenge with <i>E. ruminantium</i> Welgevonden strain (II1) - Maria Florencia Ortega Masagué. Effect of genetic resistance in Argentine creole cattle on biological parameters of <i>Rhipicephalus (Boophilus) microplus</i> (II4)

	<ul style="list-style-type: none"> - Ala Lew Tabor. Characterization of cattle tick gut surface proteins for vaccine discovery (VD3) - Rebeca Santamaria. Clinical monitoring of cattle experimentally immunized with <i>Babesia bigemina</i> recombinant proteins RAP-1, GP45 and 12D3, and challenged under controlled conditions (VD7) - Irene Kiiio. A dual mixture of recombinant tick antigens decrease fecundity in <i>Rhipicephalus appendiculatus</i> under laboratory conditions (VD8) - Silvina Wilkowsky. Optimizing vaccine design against <i>Babesia bigemina</i>: multi-antigen and multi-expression platforms for better immune responses (VD10) - Romina Gallenti. Rhomboid serine proteases type 4/5 of <i>Babesia bovis</i>: Polymorphism and transcriptional analysis in asexual and sexual parasite stages (VD12) - Selwyn Headley. Immunohistochemical characterization of canine distemper virus and canine adenovirus in coatis (<i>Nasua nasua</i>) from Southern Brazil (DV3) - Selwyn Headley. Age-related association of natural killer cells in pigs spontaneously infected by Senecavirus A (DV4) - Selwyn Headley. Outbreak of simultaneous Ovine herpesvirus 2 induced nonsuppurative encephalitis and eosinophilic meningitis due to sodium intoxication in weaned piglets (DV5) - Jain Jose. Molecular characterisation of <i>Babesia vogeli</i> and <i>Ehrlichia canis</i> isolates from Kerala, South India (DV6) - Selwyn Headley. Immunohistochemical and molecular characterization of <i>Neorickettsia risticii</i> in horses from Southern Brazil (DV10) - Agustin Gongora. Seroprevalence and epidemiological factors associated to bovine viral diarrhea virus (BVDV) in five suburban zones from Villavicencio, Meta, Colombia (DV11) - Rebeca Santamaria. Instrumentation of an ELISA test using recombinant proteins as antigen to identify animals exposed to <i>Babesia bigemina</i> (DV14) - Agustin Gongora. Serological dynamics of Bovine Herpesvirus 1 (BoHV-1) in dual purpose livestock from municipality of Guamal, Meta. Colombia (DV16) - Melinda Wilkerson. Development of a PCR-based X—MAP oligonucleotide assay for vector borne diseases in veterinary important animal species (DV17) - Selwyn Headley. Outbreak of murine respiratory mycoplasmosis in a vivarium from Southern Brazil (DV18) - Selwyn Headley. Immunohistochemical detection of antigens of canine distemper (Morbillivirus) virus in wild felids from Southern Brazil (DV19) - Antonio Humberto Hamad Minervino. Serological survey of <i>Theileria equi</i> antibodies in equids from western Para (DV21) - Martín Allassia. Detection of <i>Trypanosoma vivax</i> by PCR in a dairy establishment in the province of Santa Fe. Case description (DV22) - Gabriela Aguilar-Tipacama. Comparative analysis of the salivary gland proteome from ivermectin-resistant and -susceptible <i>Rhipicephalus microplus</i> ticks (CD5) - Gabriela Aguilar Tipacamu. Comparative proteomic map of intestines of Ivermectin-resistant and susceptible <i>Rhipicephalus microplus</i> ticks (CD7) - Sandra Antunes. Development of Methods for <i>Babesia ovis</i> Genetic Manipulation (CD12) - Eldo Campos. Soluble pyrophosphatase that takes part in polyphosphate metabolism in the hard tick <i>Rhipicephalus microplus</i> (VB1) - Marcio Garcia Ribeiro. <i>Ehrlichia canis</i> infection associated with morulae in neutrophils of dogs in Brazil (VB3) - Joana Couto. Folate pathway modulation in <i>Rhipicephalus</i> ticks and cultured tick cells in response to infection (VB9)
12:30-14:00	Free time
14:00-14:50	Plenary Lecture: Vaccines and Vaccine Development <ul style="list-style-type: none"> - Roman Ganta. Genetic system for creating targeted mutations in <i>Ehrlichia chaffeensis</i> and its application to study pathogenesis and vaccine development (VD_Plenary)
14:50-15:35	Short Oral Communications: Vaccines and Vaccine Development

	<p><i>Chair: Theo Schetters</i></p> <ul style="list-style-type: none"> - Mario Hidalgo Ruiz. Norval Young Award 1st prize. <i>Babesia bovis</i> RON2 contains conserved B-cell epitopes that induce an invasion-blocking humoral immune response in immunized cattle (VD15) - Ala Lew Tabor. Identification of <i>Ixodes holocyclus</i> salivary gland proteins key to tick toxicosis through cDNA yeast display library and sialome analysis (VD4)
15:35-16:05	<i>Coffee break</i>
16:05-18:00	<p><i>Short Oral Communications: Vaccines and Vaccine Development (cont.)</i></p> <ul style="list-style-type: none"> - Ala Lew Tabor. Australian anti-tick vaccines: still "ticking" away (VD5) - Abdalla A Latif. Safety and efficacy of an attenuated heartwater (<i>Ehrlichia ruminantium</i>) vaccine administered by the intramuscular route in cattle, sheep and Angora goats (VD6) - Juan Mosqueda. RON2, a novel gene in <i>Babesia bigemina</i> contains conserved, immunodominant B cell epitopes, which induce antibodies that block merozoite invasion (VD9) - Silvina Wilkowsky. Vaccination in cattle against <i>Babesia bovis</i> combining a modified vaccinia Ankara vector and protein adjuvant formulation based on a recombinant multi – antigen (VD11) - Stephen Lu. Biochemical characterization of a putative cysteine peptidase from <i>Babesia bovis</i> (VD13) - Alina Rodriguez Mallon. The novel anti-tick vaccine candidate based in P0 protein shows efficacy against a tick strain from <i>Amblyomma</i> spp. (VD2) - Laura Williams. Norval Young Award, 2nd prize. Nebulized Bovine Herpesvirus-4 expressing Bovine Viral Diarrhea Virus antigen E2 elicits bovine neutralizing antibody (VD16) - Sandy Baloyi. Full genome sequencing of the live attenuated vaccine candidate Zaire and characterizing its cross-protection potential (VD1)
Wednesday, September 26	
9:00-9:50	<p><i>Plenary Lecture: Zoonosis</i></p> <p>Etienne Thiry. Hepatitis E virus at the interface between wildlife, pigs and humans (ZO_Plenary)</p>
9:50-10:50	<p><i>Short Oral Communications: Zoonosis and Food Safety</i></p> <p><i>Chair: Mohd Hair Bejo</i></p> <ul style="list-style-type: none"> - Michael Ward. The dingo-dog interface in northern Australia: implications for a potential rabies incursion (ZO1) - A. Lee Willingham. Elimination of <i>Taenia solium</i> in eastern Zambia: Assessment of a two-year integrated intervention program (ZO7) - Cecilia Decker-Franco. Detection of <i>Sarcocystis aucheniae</i> in blood of llama by a duplex semi-nested PCR assay and its association with cyst infestation (FG2) - Umar Saddique Khattak. Table eggs as potential source of drug resistant <i>Escherichia coli</i> (FG4)
10:50-11:20	<i>Coffee break</i>
11:20-12:35	<p><i>Short Oral Communications: Zoonosis and Food Safety</i></p> <ul style="list-style-type: none"> - Sylvia Grune. Molecular typing of the first isolation of pathogenic leptospires obtained from the Guanaco (Lama guanaco, P.L.S. Muller, 1776) in Argentina (ZO8) - Sarah Wieser. <i>In silico</i> identification of <i>Babesia microti</i> glycosylphosphatidylinositol (GPI) biosynthetic pathway and GPI-anchored proteins (ZO20) - Caleb Kudi. Serological Evidence of Rift Valley Fever Virus Circulation in some Wildlife and Domestic Animals in Bauchi State, Nigeria (ZO5)
12:35-14:00	<i>Free time</i>
14:00-14:50	<i>Plenary Lecture: One Health</i>

	Thumbi Mwangi. Linking human and animal health among livestock-dependent communities in East Africa (OA_Plenary)
14:50-15:35	<p><i>Short Oral Communications: One Health</i> <i>Chair: Nathalie Vachery</i></p> <ul style="list-style-type: none"> - Oupa Rikhotso. Detecting high risk areas for foot-and-mouth disease (FMD) outbreaks in South Africa to better inform control policies: A spatiotemporal study (2005-2016) (OA1) - Shenese Sieuchand. An analysis on the occurrence of gastrointestinal parasites in sheep of Trinidad and Tobago over the wet and dry seasons (OA9) - Laiyen Garcia Delgado. Evidences of viral co-infections in pigs with respiratory and reproductive disorders in Cuban technified breeding (OA5)
15:35-15:45	Christine Maritz Olivier/Michael Ward: Information about publication in Transboundary and Emerging Diseases Special Issue
15:45-18:00	<p><i>Coffee break and Poster Sessions: ZO, OA, FG, RS, DE</i></p> <ul style="list-style-type: none"> - Marcio Garcia Ribeiro. Pneumonia in a dog caused by <i>Rhodococcus equi</i> pVAPN type: preliminary report (ZO2) - Bruno Malandrini. <i>Fasciola hepatica</i> studies in Catamarca, Argentina (ZO9) - Maria Amalia Simonetti. Surveillance on caprine brucellosis on herds of toba's communities in Villa Rio Bermejito, Chaco, Argentina (october 2010) (ZO10) - Martin Altuna. First report of screwworm (<i>Cochliomyia hominivorax</i>) in wild boar (<i>Sus scrofa</i>) (ZO11) - Martin Altuna. Screwworm (<i>Cochliomyia hominivorax</i>) in humans: cases reported in 2017 in the departments of Salto and Artigas, Uruguay (ZO12) - Martin Altuna. Surveillance of brucellosis and trichinellosis in feral swine in Uruguay (ZO13) - Antonio Humberto Hamad Minervino. Seroprevalence of antibodies against <i>Toxoplasma gondii</i> and <i>Neospora</i> spp. in Equids of Western Para (ZO14) - Lyndy McGaw. The <i>in vitro</i> antibacterial activity of <i>Ficus exasperata</i> leaf extracts against <i>Campylobacter</i> and <i>E. coli</i> relevant in poultry infections (ZO15) - Salina Manandhar. Prevalence of Brucellosis antibody in different species of farm animals in Nepal (ZO16) - Lisa Luu. Establishing a platform to study virus infection in tick cell lines: Hazara virus as a model for highly-pathogenic zoonotic arboviruses (ZO17) - Mariano Ascencio. Molecular diagnosis of <i>Leishmania</i> spp. in dogs from a subtropical region of Argentina (ZO18) - Anabel Rodriguez. Occurrence of <i>Leishmania</i> sp. in endangered spider monkeys of Mexico (ZO19) - Estrella Montero. Kinetics of the invasion and egress processes of <i>Babesia divergens</i>, observed by time-lapse video microscopy (ZO3) - Luis Miguel Gonzalez. Human babesiosis: an emerging zoonosis detected in Spain (ZO4) - Daniel Moura de Aguiar. Isolation of <i>Ehrlichia minasensis</i> in cell culture from a naturally infected bovine in Brazil (OA3) - Daniel Moura de Aguiar. Detection of <i>Ehrlichia minasensis</i> and <i>Ehrlichia</i> sp. Jaguar strain in horses and their ticks in the Central-Western region of Brazil (OA4) - María del Rosario Ahumada. Prevalence of <i>Fasciola hepatica</i> in sheep from the mountains of Cordoba province, Argentina (OA7) - Yakubu J. Atuman. Prevalence of antibodies to Foot and Mouth Disease Virus infection in some wildlife and cattle in and around Yankari Game Reserve and Sumu Wildlife Park in Bauchi State, Nigeria (RS2) - Maria del Rosario Ahumada. Survey of goat brucellosis in the Northwestern region of the province of Cordoba, Argentina, for the development of a milk basin (RS4) - Lyndy McGaw. Anti-adherence of bioactive South African Myrtaceae plants against diarrhoeagenic enterotoxigenic <i>E. coli</i> (ETEC) limiting pig production using a Caco-2 cell model (RS7)

	<ul style="list-style-type: none"> - Sergio Lobayan. Piroplasmosis and equine Infectious anemia are a threat for horses in the north region of Argentina (RS10) - Sandra Pérez-Macchi. Prevalence, molecular characterization and risk factor analysis of <i>Ehrlichia canis</i> and <i>Anaplasma platys</i> in domestic dogs from Paraguay (DE2) - Joon-Seok Chae. <i>Ornithodoros capensis</i> and <i>O. sawaii</i> in Western and Southern Uninhabited Islands of Korea (DE4) - Selwyn Headley. Epidemiology of ovine toxoplasmosis and neosporosis in rams from Rio Grande do Sul, Brazil (DE5) - Matthew Valentine. The role of African green monkeys (<i>Chlorocebus aethiops sabaeus</i>) in the epidemiology of chikungunya, dengue and Zika on St Kitts, West Indies (DE6) - Kun-Hsien Tsai. Molecular and seroepidemiological study of Q fever in the Democratic Republic of Sao Tome and Principe (DE8) - Roberto Montes de Oca Jimenez. Discrete Typing Units and haplotypes of <i>Trypanosoma cruzi</i> in municipalities from the southern region of the State of Mexico (DE9) - Roberto Montes de Oca Jimenez. Geographical distribution of triatomines associated with human dwellings in the State of Mexico, Mexico (DE10) - Richar Rodriguez-Hidalgo. Potential factors associated with <i>Rhipicephalus microplus</i> acaricide resistance in Ecuador (DE11) - Richar Rodriguez-Hidalgo. Potential factors associated with <i>Rhipicephalus microplus</i> and <i>Amblyoma cajennense</i> spatial distribution in Ecuador (DE13) - Amir Salvador Alaba. Detection of <i>Hepatozoon</i> spp. in rodents from Valdivia Province, Southern Chile (DE16) - Abid Ali. Record of Ticks and Molecular Phylogeny of <i>Rhipicephalus microplus</i> from Khyber Pakhtunkhwa Pakistan (DE17) - Luis Pablo Herve-Claude. First <i>Coxiella burnetti</i> DNA detection in Chile: Identifying the Q Fever agent in a sample from small farms cattle and sheep (DE18) - Sabrina Ganzinelli. Molecular and serological detection of <i>Babesia bovis</i> and <i>Babesia bigemina</i> infection in bovines raised in a tick-endemic area of Argentina (DE20) - Eliana Guillemi. Detection of <i>Anaplasma marginale</i> in <i>Haemaphysalis justakochi</i> ticks collected from a horse (<i>Equus caballus</i>) in the province of Corrientes, Argentina (DE22) - Anabela Mira. Detection and seasonal study of <i>Nosema</i> spp. in an apiary of the Province of Buenos Aires (FG3) - Anabela Mira. Development of a micro and minisatellite typing system and its application to the study of diversity and substructuring of the <i>Babesia ovis</i> population in Turkey (DE21) - Antonio Minervino. Risk factors related to the prevalence of antibodies against <i>Brucella abortus</i> in buffaloes from Santarém, Western Pará, Brazil (DE24)
Thursday, September 27	
9:00-9:50	<p><i>Plenary Lecture: Vector and Disease modelling and Epidemiology</i> Holly Gaff. Mapping the range expansion of ticks: Modeling and Surveillance (DE_Plenary1)</p>
9:50-10:50	<p><i>Short Oral Communications: Vector and Disease modelling and Epidemiology</i> <i>Chair: Abdalla Latif</i></p> <ul style="list-style-type: none"> - Yosra Amdouni. CIRAD Award winner. First detection and molecular identification of <i>Neospora caninum</i> from naturally infected sheep in North Africa (DE1) - Richar Rodriguez-Hidalgo. Spatial and temporal analysis of the New World screwworm (<i>Cochliomyia hominivorax</i>) as a transboundary disease in Ecuador (DE3) - Barberine Silatsa Assongo. Mapping the occurrence and population structure of the invasive tick species <i>Rhipicephalus microplus</i> in Cameroon: perspectives for regional tick control program (DE7) - Philip Mshelia. Equine Piroplasmosis (EP) Case Study in Nigeria (DE19)

	- Schnittger L. Molecular and serological detection of <i>Babesia bovis</i> - and <i>Babesia bigemina</i> -infection in bovines and water buffaloes raised jointly in an endemic field (DE23)
10:50-11:20	<i>Coffee break</i>
11:20-12:10	<i>Plenary Lecture: Vector and Disease modelling and Epidemiology</i> Theo Schettters. Development and implementation of control methods for ticks and tick-borne diseases in rural communities of Sub-Saharan Africa (DE_Plenary2)
12:10-13:10	<i>Short Oral Communications: Rural development and sustainable animal production</i> <i>Chair: David Odongo</i> - Marvelous Sungirai. Tick control practises by resource poor communal farmers in Zimbabwe (RS1) - Muhi El-Dine Hilali. Qualitative characteristics of traditional Jordanian Jameed and a way to improve quality and reduce health risks (RS5) - Lindy McGaw. Ethnoveterinary medicine in South Africa: a case study of the Mnisi community, Mpumalanga (RS8) - Moses Olum A cross-sectional study on infertility in dairy cattle in selected counties of Kenya (RS9)
13:10-14:10	<i>Free time</i>
14:10-16:10	<i>Short Oral Communications: Vector Biology, Chemotherapy and Drug Resistance</i> <i>Chair: Ard Nihjof</i> - Roxanne Charles. Distribution of ticks of domestic dogs in Trinidad and Tobago with a note on detection of their pathogens using advanced molecular methods (VB5) - Charluz M. Arocho Rosario. Interaction of systemic acaricide with immunological control of <i>Rhipicephalus (Boophilus) microplus</i> (VB7) - Gustavo S. Sanches. Genetic characterization of <i>Rhipicephalus sanguineus</i> sensu lato in Portugal and it relationship with the <i>Ehrlichia canis</i> transmission: Who is the vector in this country? (VB4) - Guilherme M. Klafke. Simultaneous acaricide resistance in <i>Amblyomma mixtum</i> and <i>Rhipicephalus microplus</i> from humid tropics of Mexico (CD8) - Guilherme M. Klafke. Macrocyclic lactones' side-resistance in isolates of <i>Rhipicephalus microplus</i> from the Western Border of Rio Grande do Sul, Brazil (CD10). - Daniel Paredes-Lopez. <i>In vitro</i> and <i>in vivo</i> control of <i>Rhipicephalus (Boophilus) microplus</i> ticks using <i>Lonchocarpus nicou</i> (Aublet) dc. "Barbasco" powdered root (CD1) - Muhammad Kashif Iqbal. Prevalence and Chemotherapy of Enterotoxemia (<i>Clostridium perfringens</i>) in diarrheic Sheep and Goats (CD3) - Sharienne Suepaul. A comparison of the efficacy of two commercial acaricides (Fipronil and Amitraz) with <i>Azadirachta indica</i> (neem) on the brown dog tick (<i>Rhipicephalus sanguineus</i>) from canines in Trinidad (CD9) - Christine Maritz-Olivier. Differentially expressed genes in response to amitraz treatment suggests a proposed model of resistance to amitraz in <i>R. decoloratus</i> ticks (CD13)
16:10-16:30	<i>Coffee break</i>
16:30-18:00	<i>Short Oral Communications: Training and Capacity Building</i> <i>Chair: Leonhard Schnittger</i> - Anuwat Wiratsudakul. BuffScan: light to the new era of animal biometric identification in Thailand (TC1) - Lesley Bell-Sakyi. The Tick Cell Biobank outposts in Malaysia, Kenya and Brazil (TC2) - Alina Rodriguez-Mallon. INCOGARR: A CYTED Network to develop immunogens compatible with integrated management strategies for tick control (TC3) - Mario Poli. The Joint FAO/IAEA Division contribution to the control and decrease parasite infestation rate in small ruminants (TC4)

	- Carly Hamilton. Introducing the International Veterinary Vaccinology Network (TC5) - Martín S. Minassian. OIE activities in the framework of "One Health" (TC6)
18:00-18:30	- <i>Announcements: Upcoming meetings. Prizes for Best Short Oral Presentation and Best Poster. Closure</i>
19:00-23:00	<i>Gala Dinner: Tango lesson – Dinner – Tango Show</i>
Friday, September 28	
9:30-13:00	<i>Buenos Aires city tour</i>
13:00-14:00	<i>Lunch</i>
14:00-16:00	<i>Polo game</i>