MONDAY - April 4, 2022

6:45		**Registration and Continental Breakfast**
7:50	**Simone Stoute**	**Program Chair Welcome; Opening Remarks**

SESSION I: Virology **MODERATOR: Ana Da Silva**	**SESSION II: Bacteriology** **MODERATOR: Iresha Subhasinghe**

8:00	**_Invited Speaker, Dr. Gregg Cutler: Impact of cage free layer systems on production and diseases in commercial layers_**			
8:45	Rodrigo Gallardo	The role of IBV on reproductive impairment in roosters	Aaron Forga*	Immunoprophylaxis against Clostridial cellulitis/dermatitis in commercial turkeys
9:00	Mohamed Hassan*	Pathogenicity of the Canadian Delmarva (DMV/1639) strain of infectious bronchitis virus (IBV) for laying hens	James Byrd II	Understanding _Salmonella_ and how to control it
9:15	Rachel Jude	Genomic comparison of DMV-like and QX-like infectious bronchitis virus strains: Is there any relation between gene sequences and tissue tropism?	Timothy Johnson	Re-defining the avian pathogenic _Escherichia coli_ (APEC) pathotype in commercial turkey production
9:30	**BREAK: 9:30 AM - 10:15 AM**			

Session I: Antimicrobials and Bacteriology **MODERATOR: Brock Riggs**	**Session I: Case Reports** **MODERATOR: Hemlata Gautam**

10:15	Meaghan Young*	Identification of novel avian pathogenic _Escherichia coli_ biofilm formation genes	Gunnar Dunnam*	An emerging _Enterococcus cecorum_ outbreak in a broiler integrator in the Southern US: Analysis of antimicrobial resistance trends
10:30	Yu-Yang Tsai*	Focal Duodenal Necrosis: identification of Gram-negative bacteria potential role in intestinal lesions	Vijay Durairaj	Isolation of _Histomonas meleagridis_ and _Pentatrichomonas hominis_ in an enterohepatitis outbreak in turkeys
10:45	Ana Da Silva	Infectious coryza: A concerted effort towards a novel classification method for _Avibacterium paragallinarum_	Kelli Jones	Investigating Infectious Bronchitis DMV/1639 virus in broiler breeder roosters
11:00	Agnes Agunos	Current status of antimicrobial use, antimicrobial resistance and flock health in Canadian poultry	Gunnar Dunnam	A novel presentation of _Clostridium perfringens_ in young broilers
11:15	Roel Becerra*	_Campylobacter hepaticus_ in the production environment/stagnant water as a potential source of _Campylobacter_ causing spotty liver disease in free range laying hens in Georgia, USA		

LUNCH: 11:30 PM - 1:00 PM	

Session I: Virology **MODERATOR: Rodrigo Gallardo**

1:00	**_Arnold S. Rosenwald Lecture: Dr. Steve Roney,_** **_Retrospective Perspectives of a Poultry Veterinarian_**	
1:45	Tamer Sharafeldin	Role of turkey hepatitis reoviruses in tenosynovitis in turkeys
2:00	Amine Mernizi*	First seroepidemiological survey of avian metapneumovirus circulation in Moroccan broiler farms
2:15	Nadine Cariou	Infectious bursal disease vaccine type impacts response to IB vaccination and bursal integrity
2:30	Kristen Roza-Sutherland	Long-term field protection of a dual insert HVT vectored vaccine (HVT+IBD+ILT) in layer flocks

POSTER VIEWING & BREAK: 2:45 PM - 3:15 PM

		Session I: Viral Vaccines MODERATOR: Patrick Montine		
3:15	Rebecca Mackey	Protection induced by IBDV vaccine strains ST-12 and 51A/C4 versus a Delaware E challenge		
3:30	Kalen Cookson	Broiler protection and performance trials of the newest HVT-IBD recombinant vaccine against AL2 and group-6 IBDV		
3:45	Ivan Alvarado	Infectious laryngotracheitis HVT recombinant constructs: replication and efficacy against challenge in broilers		
4:00	Milos Markis	Assessment of protection induced by inactivated trivalent variant reovirus vaccine against challenge with contemporary reovirus field isolates		
4:30		**WPDC BUSINESS MEETING 4:30-5:15 pm**		
6:00		**WELCOME RECEPTION - 6:00-7:30pm**		

		TUESDAY, April 5, 2022		
6:45		**Registration and Continental Breakfast**		
8:00		*Invited Speaker, Dr. Rüdiger Hauck: Diseases affecting the intestinal health of poultry, including coccidiosis and other enteric parasites*		
	Session I: Parasitology MODERATOR: Ana da Silva		Session II: Epidemiology MODERATOR: Maurice Pitesky	
8:45	Lisa Bielke	Survey of *Eimeria* species and anticoccidial resistance in turkeys	Shayne Ramsubeik*	Retrospective analysis of disease caused by pigeon Paramyxovirus-1 in California domestic pigeon population 2010 to 2020
9:00	Sydney Kinstler*	*Clostridium perfringens* and *Eimeria maxima* co-infection stimulate intestinal stem cell proliferation and differentiation in broiler chickens	Andreia Arruda	Epidemiological tools for informing disease risk: the example of infectious bronchitis (IBV)
9:15	Randall Singer	Efficacy of antibiotic and non-antibiotic interventions in preventing and treating necrotic enteritis in broiler chickens: a systematic review	Patrick Montine*	Avian reovirus surveillance in poultry farms of the California Central Valley (2012-2020)
9:30	Vijay Durairaj	Serological evaluation of turkeys challenged with *Histomonas meleagridis*	Myrna Cadena*	Traditional survey-based methods for mapping backyard and game fowl poultry movement in California
		POSTER VIEWING & BREAK: 9:45 AM - 10:30 AM		
		All poster presenters will be available at their posters for discussion		
	Session I: Research, Gut Health, Immunity MODERATOR: Nancy Reimers		Session II: Food Safety, Gut Health, Research MODERATOR: Shelly Popowich	
10:30	Hemlata Gautam*	Development of a novel vaccine strategy against *Clostridium perfringens* by synergizing immune-enrichment and immunostimulation in chicks	Dulmelis Sandu	Using multi-modal feed additives to help manage coccidia challenges and their sequalae in broiler production systems
10:45	John Schleifer	Re-emergence of chondronecrosis with osteomyelitis syndrome in broilers and the effect of dietary probiotics in a *Staphylococcus agnetis* challenge model	Iresha Subhasinghe*	CpG-ODN-induced antimicrobial immunity involves immuno-metabolic regulation in broiler chickens
11:00	Ahmed Ali*	Optimization of infectious bronchitis (IB) vaccination strategies against egg production abnormalities	Christine Clarke	Seeder bird research- delveoping the best challenge model
11:30		**WPDC AWARDS LUNCHEON: 11:30 PM - 1:30 PM**		
	SESSION II: Coccidia Vaccines MODERATOR: Rüdiger Hauck		SESSION II: Research and Epidemiology MODERATOR: Myrna Cadena	

1:45	Danielle Graham	Development of a candidate bioshuttle coccidiosis vaccination program for the turkey industry	Julia McElreath	Development of a rapid method for whole genome sequencing of fowl adenoviruses
2:00	Roy Jacob	Comparison of the field application of a commercial coccidiosis vaccine in broilers with bio-shuttle program	Joseph Gendreau	Understanding spatio-temporal trends of non-commercial poultrysales in California using online classified advertisement data
2:15	Jose Bruzual	Field experience managing a precocious coccidiosis vaccine in broiler breeders under field conditions in Zimbabwe, South Africa	Christine Clarke	Epidemiology of spotty liver disease in layers: starting from scratch
2:30			Brock Riggs	Prevalence and viral ecology of avian influenza in wetlands of high versus low waterfowl use in the Central Valley of California

POSTER VIEWING & BREAK: 2:45 PM - 3:45 PM				

	Session I: Case Reports MODERATOR: Shanye Ramsubeik		Session II: Research and Diagnostics MODERATOR: Rodrigo Gallardo	
3:45	Jenny Nicholds	Bad Blood: using a modern tool to aid in poultry disease diagnostics	Juan Rodriguez-Lecompte	Antimicrobial characterization and microbial induction of chicken ribonuclease angiogenin 4
4:00	Eric Gingerich	2021 outbreak of egg drop syndrome in Northern Indiana layers	Ricardo Munoz Saba	Noninvasive protocol to assess eggshell hygiene status using luminometry
4:15	Matthew Drozd	Causes of morbity and mortality of peafowl & peafowl pheasants at zoological institutions: a retrospective study	Valerie Marcano	Impact of lactic acid bacteria on eggshell quality of molted commercial layers
4:30	Gigi Lin	Histomoniasis outbreaks in commercial turkeys in British Columbia, Canada		

WEDNESDAY, April 6, 2020	

6:45	Registration and Continental Breakfast

	Session I: Virology MODERATOR: Rachel Jude

8:00	*Invited Speaker, Martha Pulido-Landínez: Salmonella infection in Poultry*
8:45	Alexandra Reilley	Fine-tuning of infectious bronchitis vaccination program in layers exposed to DMV1639 strain
9:00	Daniel Venne	Broiler breeder adenovirus titer monitoring during natural, contamination or contact exposure to a 8b strain of adenovirus
9:15	Davor Ojkic	Re-emergence of inclusion body hepatitis in Canada
9:30	Eric Shepherd	Experiences with inclusion body hepatitis in the Southeast United States

10:00	POSTER VIEWING & BREAK: 10:00 AM - 10:30 AM			

	Session I: Research MODERATOR: Vijay Durairaj		Session II: Case Reports and Diagnostics MODERATOR: Simone Stoute	
10:30	Naola Ferguson-Noel	Results and applications of whole genome sequencing of avian mycoplasmas	Sara Throne	That's not supposed to happen after vaccination, right?
10:45	Jeffrey Hall	A universal *E. coli* sub-unit vaccine protects broilers from *Escherichia coli* 078 challenge	Leslie Johnson	Assessment of the impact of a É›-Polylysine product on hatchability, bacterial loads and 7-day performance in broiler chicks following in-ovo inoculation
11:00	Tim Johnson	Exploring postbiotic-based strategies for the mitigation of avian pathogenic *Escherichia coli* in layers	Ana Maria Villegas	Concomitant monitoring of *Clostridium perfringens* and *Eimeria specie*s in fecal samples of conventional and slow-growing broiler flocks by ScreenFloXÂ®

Simone Stoute: Concluding Remarks; Adjourn	

POSTERS

1	Carolina Trujillo Peralta	Isolation, speciation, and anticoccidial sensitivity of *Eimeria* spp. recovered from wild turkey feces
2	Marina Gaimard	Influenza pathogens: innovative assays for diagnosis and vaccination monitoring of H5, H7 and H9 avian influenza A virus
3	Ariaunna Jones	Long-term storage of avian origin primary cells for continued availability in virus research and diagnostic laboratories
4	Magali Salas	Detection of *Salmonella* in quail eggs for ambulatory sale in districts of the city of Lima-Perº
5	Manuel Da Costa	Field experience - infectious bronchitis vaccination takes before and after vaccine application and optimization of sampling methodology
6	Fathima Ishara Muhammadu Isham	Host responses to Delmarva (DMV/1639) IBV variant isolated in Eastern Canada in young chickens
7	Chantel Caughlin	Administration of oral meloxicam to turkey poults: literature review and proposed investigation