

SCIENTIFIC PROGRAM



Wednesday, 30 April

Informatics to improve
nutrition and health

Section Chair: Lisa Radosta

08:00 - 08:15	Welcome and introduction of Chairs Natalia Wagemans and Chairs
08:15 - 09:15	Applying Big Data, machine learning, and AI to improve nutrition and health Audrey Ruple, Julia Labadie, Daniel Promislow
09:15 - 09:45	Utilizing smart devices to improve comprehensive weight loss programs for pets Jenessa Winston
09:45 - 10:05	BREAK
10:05 - 10:35	Applying -omics approaches, bioinformatics, and machine learning to study the companion animal microbiome Nicholas Griffin
10:35 - 11:50	Development and practical use of litter box monitoring devices for feline urinary health and disease Ragen McGowan, Jessica Quimby, Ashlie Saffire

Thursday, 1 May

Omics and biomarkers
Section Chair: Caroline Mansfield

08:00 - 08:15	Day 2 welcome Natalia Wagemans and Chairs
08:15 - 08:45	Multi-omics approaches to understanding human health and disease Michael Snyder
08:45 - 09:15	Unraveling canine gut microbiome dynamics: insights into maturation, psychobiotics, and pathogenic <i>Salmonella</i> mitigation Xu Wang
09:15 - 09:35	Multi-omics data analysis reveals metabolic adaptations in cats with chronic kidney disease Qinghong Li
09:35 - 10:05	Machine learning and In-Silico modeling Ebenezer Satyaraj, Changwoon Jang
10:05 - 10:25	BREAK
10:25 - 11:15	Holistic integration of omics tools for precision nutrition Omar Ramos-Lopez
11:15 - 12:05	The role of biomarkers in veterinary nutrition and clinical practice Amanda Nascimento

The Internet of Things
and the future of practice

Section Chair: Jennifer Larsen

12:05 - 13:30	BREAK
13:30 - 14:20	Healthcare in the age of exponential technology Matthew Lungren
14:20 - 15:10	Smarter tools, smarter care: Redefining veterinary medicine with IoT, AI, and telemedicine Timokleia Kousi
15:10 - 15:30	BREAK
15:30 - 16:20	The impact of AI on veterinary diagnostics and consulting Eli Cohen, Candice Chu
16:20 - 17:10	Human bonding, the future of AGI, and robotic/biomimetic pets: Should we be worried? Patrick Flynn
17:10 - 17:30	Closing Remarks Natalia Wagemans and all Section Chairs of the Summit