

# VETERINARY SCIENCE DAY – PROGRAM

## From Algorithms to Animals

### The Role of AI in Veterinary Science



8:30-9:10	Registration, poster mounting, presentation uploading	
9:10-9:30	Opening and introduction of awards	
9:30-10:30	Plenary session 1	
	9:30-9:50	Frank van Steenbeek - <i>AI in multispecies cardiology</i>
	9:50-10:10	Bart Westendorp - <i>Automated quantification of DNA replication dynamics</i>
	10:10-10:30	Poster pitches
10:30-11:10	Coffee and tea break, poster viewing	
11:10-12:40	Parallel session 1	
	<div><div><i>Innovative methods and technologies</i> <b>Ionazaal</b></div><div><i>Fundamental research</i> <b>Grote tuinkamer</b></div></div>	
11:10-11:25	E. Kritsi - <i>AI and CT scanning to detect of liver and heart conditions in broiler chickens during post-mortem inspections</i>	J. Su - <i>Caco-2-based intestinal mucosal model to study intestinal barrier properties and bacteria-mucus interactions</i>
11:25-11:40	K. Libera - <i>Automated detection of asymmetrical udders in dairy goats using deep learning-based imaging</i>	Marije Kuipers - <i>Novel proteomics and machine learning strategies to investigate cellular uptake of cancer-derived extracellular vesicles</i>
11:40-11:55	J. van den Ende - <i>Development of live-cell imaging assay to elucidate spatiotemporal dynamics of extracellular vesicle fusion with target cells</i>	M. Blasioli - <i>Human milk extracellular vesicles drive GFAP expression and affect proliferation in differentiating neural stem cells in vitro</i>
11:55-12:10	A. Maaskant - <i>A method for profiling microbiome biomarkers from fecal images in nonhuman primates</i>	I. Arends - <i>Erratic DNA replication and aneuploidy in early mammalian embryos</i>
12:10-12:25	B. Rodenburg - <i>Validation of a smart camera system for animal welfare surveillance in the slaughterhouse</i>	M. Delemarre - <i>Holy cow! Using bovine organoids for pharmacokinetics</i>
12:25-12:40	R. Levato - <i>Adaptive and context-aware volumetric printing</i>	A. Musi - <i>High-throughput multi-drug screening for identifying new therapies in mucosal melanoma</i>

