



From Algorithms to Animals: The Role of AI in Veterinary Science

May 15th, 2025

Poster nr	Presenting Author	Title
1	Chiara Baggio	The role of fibrous corona expansion in spindle formation and microtubule-kinetochore interactions in mammalian oocyte meiosis
2	Myrna de Rooij	Impact of livestock-related air pollution on public health: a nation-wide study on COVID-19 in the Netherlands
3	Chloé Catelain	Liposomal drug for the treatment of leishmaniosis in dogs
4	Inge Wouters	Evaluating the impact of air cleaners on airborne bioaerosol levels, particulate matter and respiratory health in Dutch primary school classes.
5	Anne Hendrikx	Influence of dosing interval of intravenous dexamethasone in healthy horses on plasma cortisol concentrations
6	Bram Tuinte	Host cell type specificity determines the efficiency of picornavirus spreading via extracellular vesicles
7	Sara Galac	Steroid profiling in canine adrenocortical incidentalomas
8	Peter Reinink	Development of ribosomal RNA Reference Databases for Vertebrate Detection in Environmental DNA Surveillance
9	Lynn Schepens	Characterization of the Fibrous Corona in Mammalian Oocytes
10	Brian Lain	Sleep Deprivation and risky play during early life: Implications for cognitive control in rats
11	Jordi Martens	Evaluation of Clinically Relevant Lipid Nanoparticles for mRNA delivery in Osteoarthritic Joint Models
12	Mirjam Duijvestijn	Hunting-training dogs and companion dogs in the Netherlands are frequently exposed to highly pathogenic avian influenza (HPAI H5) and human H1N1 virus.
13	Esther Hindriks	A 16-color Spectral Flow Cytometry Panel to Characterize T Cell Immunophenotypes in Canine Peripheral Blood and Melanoma
14	Deja Porenta	Induction of Cas9-directed immunity using a non-viral Cas9 mRNA delivery system in a mouse model
15	Orsolya Farkas	Role of RAB6A in hepatic lipid metabolism
16	Thanicha Chanchaidechachai	The effect of sustainable transition in poultry farms on highly pathogenic avian influenza outbreaks
17	Leon Borgdorf	Empathic Public Engagement and Innovative Perspectives on Genome Editing in Farmed Animals
18	Janine Stienstra	Extracellular vesicles released by picornavirus-infected cells trigger antiviral cytokine production and monocyte differentiation
19	Varun Chopra	Microplastics
20	Ilaria Troisio	An oocyte cell extraction system to study early post-fertilization events of sperm structures
21	Ziqiong Wang	A Multi-Model Strategy to Study CRISP1–3 Interactions and Protein Condensation on the Sperm Surface
22	Daniele Corriani	Notochordal cells under healthy intervertebral disc conditions produce more extracellular vesicles (EVs) with regenerative effect on nucleus pulposus 3D in vitro model compared to EVs generated in pro-degenerative conditions
23	Sofie Vreuls	Play behaviour dairy calves
24	Jerrold Tubay	Modeling ASF Spread in the Netherlands: An Agent-Based Approach to Biosecurity
25	Annabelle de Kort	Creating a representative in vitro model for canine osteoarthritis
26	Jason Getty	The age-dependent impact of juvenile risky play on cognitive control over behaviour in male rats
27	Abel Vlasblom	Harnessing the nasal microbiome to reduce livestock-associated Staphylococcus aureus in pig
28	Diana Hendrickx	Associations between environmental exposures and the lung function plateau
29	Marit van den Berg	Pheochromocytoma organoids: a novel in vitro model for human and canine patients
30	Job Schlösser	Impact of human milk oligosaccharides on the growth of early life pathogenic gut bacteria
31	Fabiënne Bouquet / Hidde van Doorne	Microbial-Host Amyloid Cross-Talk: Exploring Cross-Seeding Mechanisms in Neurodegeneration
32	Isa Bol	The effect of outcross breeding on skull morphology in the French Bulldog
33	Tom Roos	Pollutant-Induced Cardiotoxicity (PICT): A Systematic Review and Interactive Tableau Dashboard
34	Kevin Broeders	A Phosphorylation Switch Controls GAPR-1/Beclin 1 Interaction and Autophagy Regulation