Connecting expertise on 'Animals and oncology: research opportunities'
Preliminary program
28/10/2022 – Faculty of Veterinary Medicine, Merelbeke

Time	Activity	Speaker
11h00 - 12h15	Tour of the Faculty of Veterinary Medicine (for a limited group of participants that can register)	NA
12h00 - 13h00	Lunch and registration	
13h00 - 13h30	Keynote: "One Medicine: the value of collaboration across species and the results of a comparative oncology approach"	Dr Valérie Freiche, DVM, DESV-IM, PhD, President of the ECVIM-European Society of Comparative Gastrenterology, Ecole Nationale Vétérinaire d'Alfort
13h30 - 13h40	Target identification via a cross-species approach	Prof Bart Broeckx, Laboratory of Animal Genetics (UGent)
13h40 -13h50	Insights on rare tumor subsets via a cross-species approach	Dr Suzanne Fischer, Laboratory of Experimental Cancer Research (UGent)
13h50 - 14h20	Networking + coffee break	
14h20 - 16h10	**What can we learn from various species with regards to cancer?** Introduction to various models (opportunities, advantages, limitations) and examples of use.	
	Chick chorioallantoic membrane model	Prof Ward De Spiegelaere, Laboratory of Veterinary Morphology (UGent)
	Zebrafish - embryonic model	Prof Kathleen Claes, Center for medical genetics, Lab for cancer predisposition and precision oncology (UGent)
	Zebrafish - adult model	Dr Jan Willem Bek, Pediatric Precision Oncology Lab Ghent (UGent)
	Xenopus tropicalis model	Prof Kris Vleminckx, Department of Biomedical Molecular Biology (UGent)
	Mouse model	Dr Jonas Steenbrugge, Laboratory of Biochemistry (UGent)
	Canine and feline cancer patients	Prof Hilde de Rooster, Small Animal Teaching Hospital (UGent)
	Human cancer patients	Prof Sylvie Rottey, Head of the Drug Research Unit Ghent (UZ Gent)
	Q&A with panel	
16h10 - 16h40	Networking + coffee break	
16h40 - 18h00	**Overview of research tools at our disposal for the selected animal models/species**	
	Imaging opportunities	Prof Christian Vanhove, Innovative Flemish In-vivo Imaging Technology (INFINITY) Lab (UGent)
	Metabolomics across species and sample types	Dr Lieselot Hemeryck, Lab of Integrative Metabolomics (UGent)
	Nanobody use across species	Prof Hilde de Rooster, Small Animal Teaching Hospital (UGent)
	Immunotherapy based on antibodies – antibody engineering and production of recombinant antibodies by CHO cells	Prof Bert Devriendt, Laboratory of Immunology (UGent)
	Q&A with panel	
18h00 - 19h00	Network reception with drinks and snacks	