



1st UGent Zebrafish – Xenopus Meeting

May 14, 2019 @ FSVM building, Technologiepark 71

13:45 Welcome (Kris Vleminckx)

13:50 **Andy Willaert:** Introduction to zebrafish and the Zebrafish Facility Ghent

14:05 **Kris Vleminckx:** Introduction to *Xenopus* and the *Xenopus* facility at UGent

14:15 **Jan-Willem Bek:** The zebrafish as a model for heritable skeletal disorders

14:30 **Patrick Sips:** Disease modeling in zebrafish for pharmacologic and genetic screening – examples of cardiovascular models

14:45 **Annekatrien Boel:** CRISPR/Cas9-mediated genome editing in zebrafish: tips and tricks

15:00 **Marjolein Carron:** Modeling inherited retinal disease in *Xenopus tropicalis*

15:10 **Ann Huyseune:** Evo-devo of pharynx and teeth, using zebrafish

15:25 **P. Eckhart Witten:** Skeletal development in an evolutionary context

15:35 **Jeroen Vierstraete:** Studying DNA repair pathways in zebrafish and translation to human cancer treatment

15:50 **Thomas Naert:** Identification and characterization of cancer dependency genes in *Xenopus tropicalis* using CRISPR-NSID

16:05 Coffee break

16:30 **Suzanne Vanhauwaert:** Screening for co-dependencies in MYCN-driven neuroblastoma in zebrafish

16:45 **Siebe Loontjens:** Investigating epigenetic regulatory genes in normal zebrafish haematopoiesis and leukemia

16:55 **Dionysia Dimitrakopoulou:** Establishment of novel leukemia models in *Xenopus tropicalis*

17:05 **Charlotte Fieuws:** Fishing for personalized ovarian cancer treatment using patient derived xenografts in zebrafish

17:15 OPEN DISCUSSION

17:45 Concluding remarks + DRINK