VIRTUAL HUMAN DEVELOPMENT

Joshua Jamie Hislop

Joshua Hislop is a 5th year doctoral student in Bioengineering at the University of Pittsburgh. He works in the Laboratory for Synthetic Morphogenetics and Tissue Ecology under the mentorship of Dr. Mo Ebrahimkhani. His research is primarily focused on the development of tissues that can be used to model and study the human embryo's "black box", beyond implantation and gastrulation in order to understand the fundamental steps or morphogenesis and organogenesis that are currently only well understood in non-human organisms. His focus is on the modelling the yolk sac, both in combination with the epiblast as the embryonic bilaminar disc, and as a complex tissue that serves as the source of earliest blood progenitors in the body. Outside of lab, he enjoys hiking, taekwondo, and running a D&D campaign.

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