

LINDSAY Virtual Human

University of Calgary

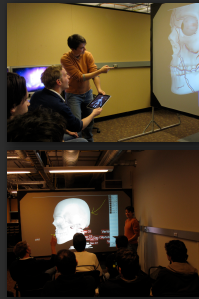
Faculty of Science — Department of Computer Science
Faculty of Medicine — Undergraduate Medical Education



www.lindsayvirtualhuman.org

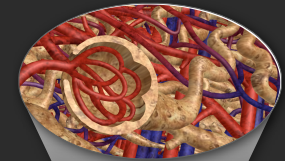
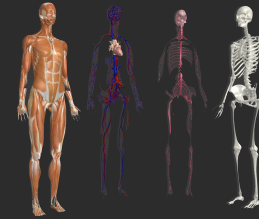


LINDSAY in Action

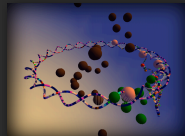


LINDSAY Virtual Human is an interactive, 3D computer model of male and female human anatomy and physiology. LINDSAY is built as an exploratory tool for medical education. LINDSAY integrates computational models over multiple scales in space and time: from the body level to the level of organs, tissues, cells, and sub-cellular structures.

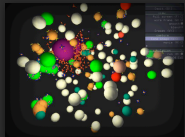
Human Organ Systems



Gene Regulation

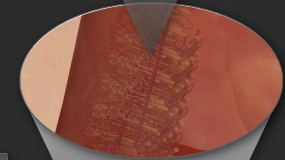
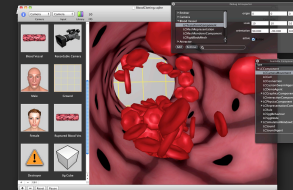


Immune System



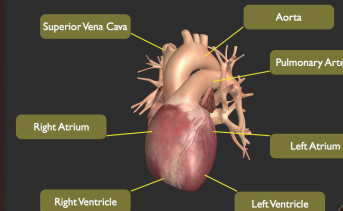
In order to create complex scenes for presentation, investigation, and exploration, we have developed **LINDSAY Composer**, a graphical programming environment, which facilitates the composition of complex simulations, in order to teach and explore physiological processes within the human body.

LINDSAY Composer

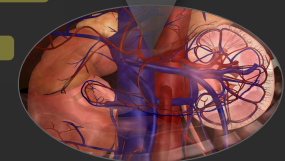
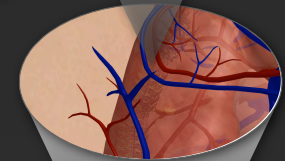


iPhone & iPad -
LINDSAY Navigators

With **LINDSAY Presenter** we provide a content delivery tool specifically designed for teaching human anatomy in 3D. By means of mobile devices, such as the iPhone and the iPad, the instructor can navigate through and explore a structured collection of 3D scenes interactively and intuitively.



LINDSAY Presenter



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