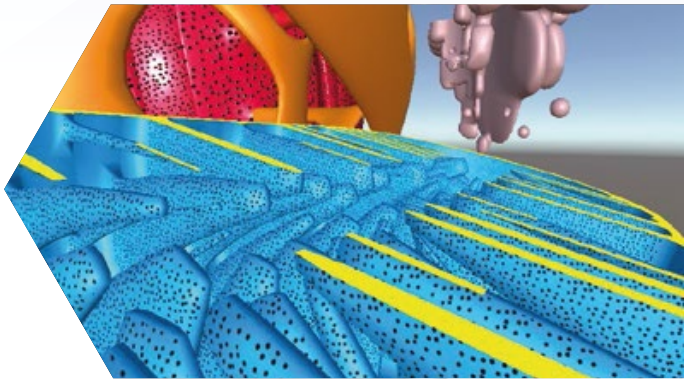
VRHistology™

Our interactive VR virtual tour platform allows delving into the secrets of the human body. The VR Oculus Rift™ technology allows the user to enter virtual microscopic cell structures developed based on pictures from electron microscopes and collaboration with professors of histology. Travelling inside cells in a Virtual Reality enviornment teaches students and supports research.

INNOVATIVE TRAINING FOR STUDENTS

VRHistologyTour™ its the perfect tool for student learning. While learning biology and chemistry in the virtual world of cell structures, students gain a better understanding of the principles of fundamental biological processes. Interactive tours of cells create passion for discovery and research.



SUPPORT OF SCIENCES

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FUNCTIONALITY:

- Virtual reality travel across cellular structures in a travel capsule using Oculus Rift VR headsets.
- Observation of biochemical processes in the world of virtual reality.
- Interactive learning about cells and processes at speed selected by student.
- Automatic tours and manual travel with 360° degree views of internal structures.
- Displays of information and microscope images.
- Virtual tour across cells components, with text descriptions and an audio guide
- Access to educational games teaching cell processes and biochemical principles
- Customizations of interactive layouts and the virtual tour using a controller
- Customization of settings within the applications
- Encyclopedia containing base used concepts and biochemical processes in the application.
- Possibility of adding paths with narration and music to a virtual tour.

ADVANTAGES:

SUPPORT TEACHING PROGRAMS
Clear presentation of complex knowledge by educators that leads to better assimilation and comprehension by students. Interactive VR visualizations improve quality of teaching.

SUPPORT SCIENCES
Demonstrations of cell structures and animations of mechanisms at the cellular level, create better understanding of biological processes.

CUSTOMIZABLE PLATFORM
Can be tailored to user requirements by adjusting images of objects and virtual tours of single to complex organelles, cells and whole organs. Students can quickly switch from smaller to larger structures.

SUPPORT OF RESEARCH
Visualization of objects at the nano-structure level enables better understanding of the studied cellular processes. Visualizations allow for better documentation of research results and representation of fundamental biological elements.

STUDY AT HOME OR SCHOOL
Use on mobile devices or large workstations in the lab.

FASTER LEARNING
Ability to visually and interactively see information unlimited number of times.

CHOICE OF GUIDE
Virtual guide in many languages.

ENCYCLOPEDIA OF KNOWLEDGE
A collection of scientific information to objects and processes used in the application.

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