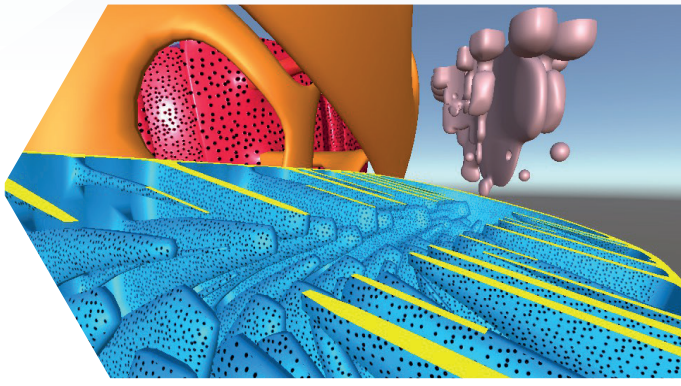
enfoglobe™
INNOVATIVE TECHNOLOGIES

VR Histology™

Our **interactive VR virtual tour platform** allows users to delve into the secrets of the human body. Explore virtual microscopic cell structures with the VR Oculus Rift™ technology as based on images from **electron microscopes** as well as extensive **collaboration with professors of histology** across the US and Europe.

INNOVATIVE TRAINING FOR STUDENTS

VRHistologyTour™ is the perfect tool for education. While learning biology and chemistry in the virtual world of cell structures and body systems, students gain a better understanding of fundamental biological processes. Interactive tours spark passion for discovery and give students confidence in later research.



SUPPORT OF SCIENCES

VRHistologyTour™ was developed in collaboration with professors from medical universities. Accurate 3-D models of microscopic objects are based on images from electron microscopes and scientific guidance in chemistry and biology directly from medical professors. Our VR platform includes molecules and models that have not yet been seen under a microscope and maps both intracellular and intercellular processes.

FUNCTIONALITY:

- Observation of biochemical processes and cell components in the world of virtual reality
- Text descriptions, audio guides, microscope images, and interactive information displays
- Interactive learning of cells and processes at students' own pace
- Automatic tours and manual travel inside the cells with 360° views of internal structures
- Educational games teaching and reinforcing cellular processes and biochemical principles
- Encyclopedia of key concepts and biochemical processes in the application
- Customization of interactive layouts and settings for the virtual tour using the controller
- Add custom virtual tour paths with your own narration or music

ADVANTAGES:

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

SUPPORT OF THE SCIENCES
Demonstrations of cell structures and animations of mechanisms at the cellular level improve understanding of biological processes.

CUSTOMIZABLE PLATFORM
Tailor tours to your students' needs by adjusting the images of objects and virtual tours of single to complex organelles, cells, and whole organs. Students can switch from smaller to larger structures.

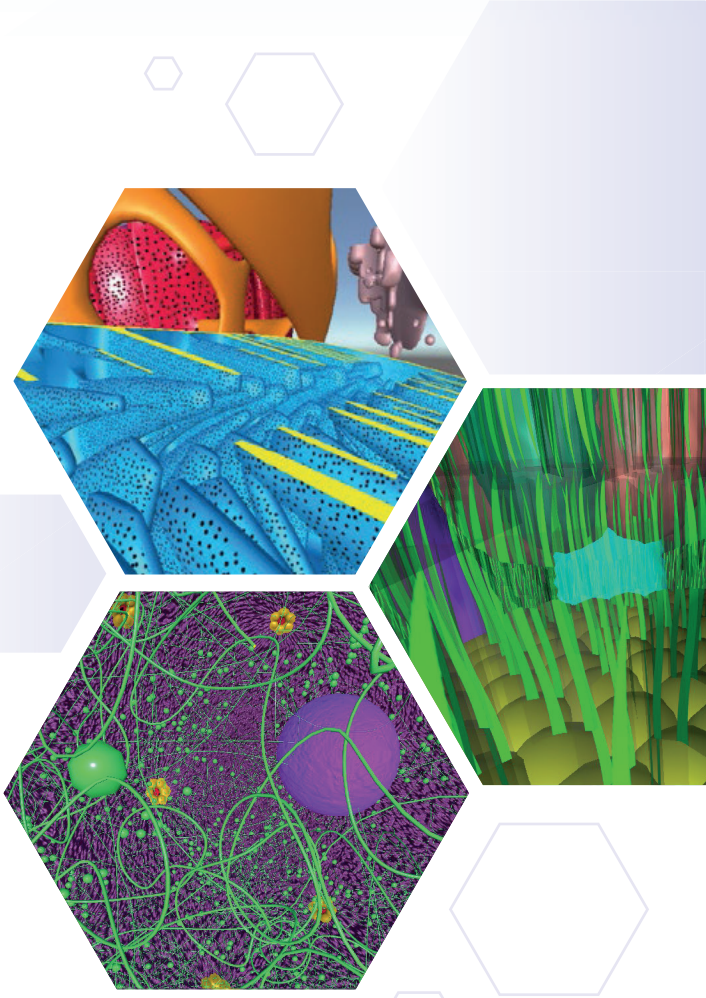
SUPPORT OF RESEARCH
Visualization of objects at the nanostructure level enables better understanding of the studied cellular processes, and for more confident documentation of research results and representation of fundamental biological elements.

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

FASTER LEARNING
See information visually and interactively an unlimited number of times.

CHOICE OF GUIDE
The virtual guide in offered in many languages and can reinforce vocabulary for language learners.

ENCYCLOPEDIA OF KNOWLEDGE
A collection of objects, definitions, and processes referenced in the application can be used for review or to generate quizzes.



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