

CryoVR - VR Training for cryoEM: Gatan CP3

A virtual reality training software has been developed to teach users to operate the Gatan CP3 system, significantly reducing the cost and machine time required for equipment training.

Researchers at Purdue University have developed a virtual reality training software to teach users to operate the Gatan CP3 system. This technology allows users to become trained on equipment without the high financial constraints associated with using cryoEM equipment. This technology also offers organizations a chance to decrease the machine time that must be set aside for training, as much of a user's training could be completed in a VR environment.

Advantages:

- Does not require access to equipment (significant cost savings)
- Reduces machine time that must be dedicated for training

Applications:

- Training for use of Gatan CP3

TRL: 9

Intellectual Property:

N/A, N/A, N/A

Keywords: Virtual Reality Training, CryoEM, Gatan CP3, Immersive Learning, VR Training Software, Equipment Training, Cryo-EM Training, Virtual Reality Augmented Training, VR Learning, Spatial Learning Platform, Employee Training, Training, Virtual Reality

Technology ID

2019-CHEN-68530

Category

Education & EdTech/Immersive
& XR Learning Environments
Education & EdTech/Industrial &
Workforce Training Platforms
Biotechnology & Life
Sciences/Analytical & Diagnostic
Instrumentation

Authors

Yingjie Chen
Wen Jiang
Thomas G Sors
William Watson

Further information

Matt Halladay
MRHalladay@prf.org

Erinn Frank
EEFrank@prf.org

View online

