CryoVR - VR training for cryoEM: ThermoFisher Vitrobot Mark IV

A virtual reality training software allows users to be fully trained on complex equipment without the high costs of access and reduces the necessary machine time for instruction.

NCS:

Researchers at Purdue University have developed a virtual reality training software to teach users to operate the ThermoFisher Vitrobot Mark IV. 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 ThermoFisher Vitrobot Mark IV

TRL: 9

Intellectual Property:

N/A, N/A, N/A

Keywords: VR training, cryoEM, ThermoFisher Vitrobot Mark IV, virtual reality training software, cryo-electron microscopy, Gatan CP3, CryoVR, structural biology, plunge freezing, e-learning, Employee Training, Training, Virtual Reality

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