

## VR training for cryoEM: ThermoFisher Vitrobot Mark IV

**Track Code:** 2021-CHEN-69180

**Categories:**

- Biomedical Engineering
- Computer Technology

**Keywords:**

- Employee Training
- Training
- Virtual Reality

**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

**People:**

- Chen, Yingjie (Project leader)
- Jiang, Wen
- Sors, Thomas G
- Watson, William Randal

**Intellectual Property:**

**Contact OTC:**

Purdue Office of Technology Commercialization  
The Convergence Center  
101 Foundry Drive, Suite 2500  
West Lafayette, IN 47906

Phone: (765) 588-3475

Fax: (765) 463-3486

Email: [otcip@prf.org](mailto:otcip@prf.org)