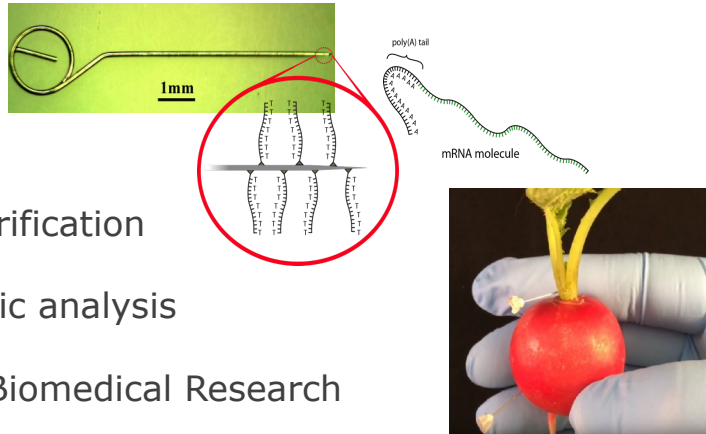


# Gene Sampling Tool for Rapid Genetic Analysis

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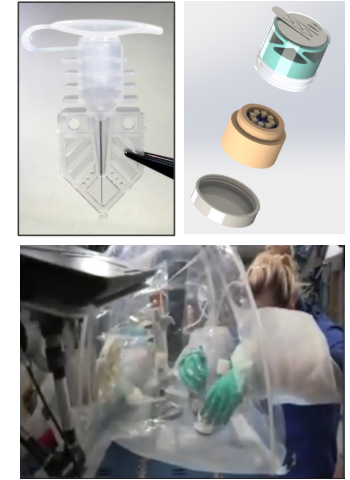
## PURPOSE

- ✓ Dry RNA purification
- ✓ Rapid genetic analysis
- ✓ Space and Biomedical Research



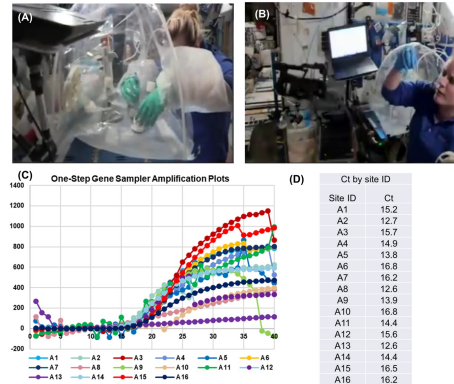
## COLLABORATORS

- ✓ NASA's Ames Research Center
- ✓ BioGX
- ✓ Nou Systems, Inc
- ✓ Dr. Rebecca Giorno (LA Tech)



## DESIRED END RESULT

- ✓ Plant genetic analysis on the ISS
- ✓ 3D spheroids and organoids
- ✓ Bacterial genotyping
- ✓ Integrated PCR lab-on-a-chip platform



## CURRENT STATUS

- ✓ Sample-in results-out portable platform for bacterial genotyping
- ✓ Need expertise in MEMS, electronics

