

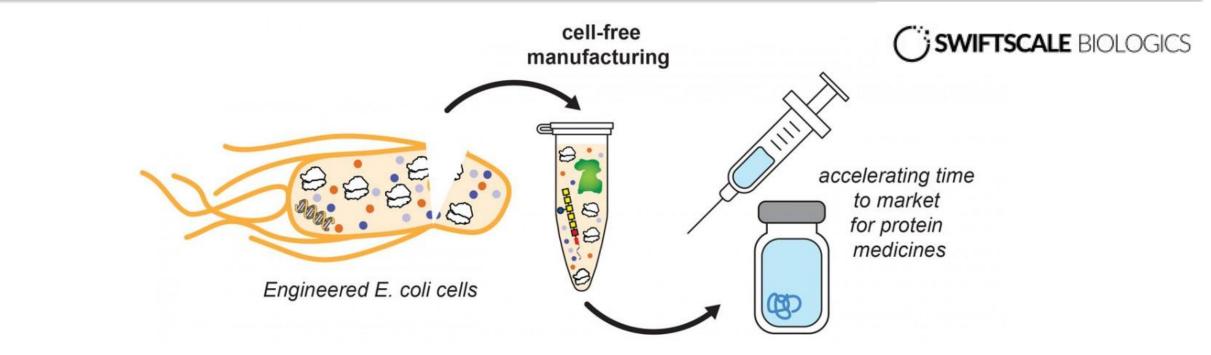
ABPDU Scale-Up Supporting the Fight Against COVID-19

> Deepti Tanjore, PhD Director, ABPDU May 7, 2020



Project #1: Cell-Free Antibody Manufacturing





• Bay area startup founded in 2019

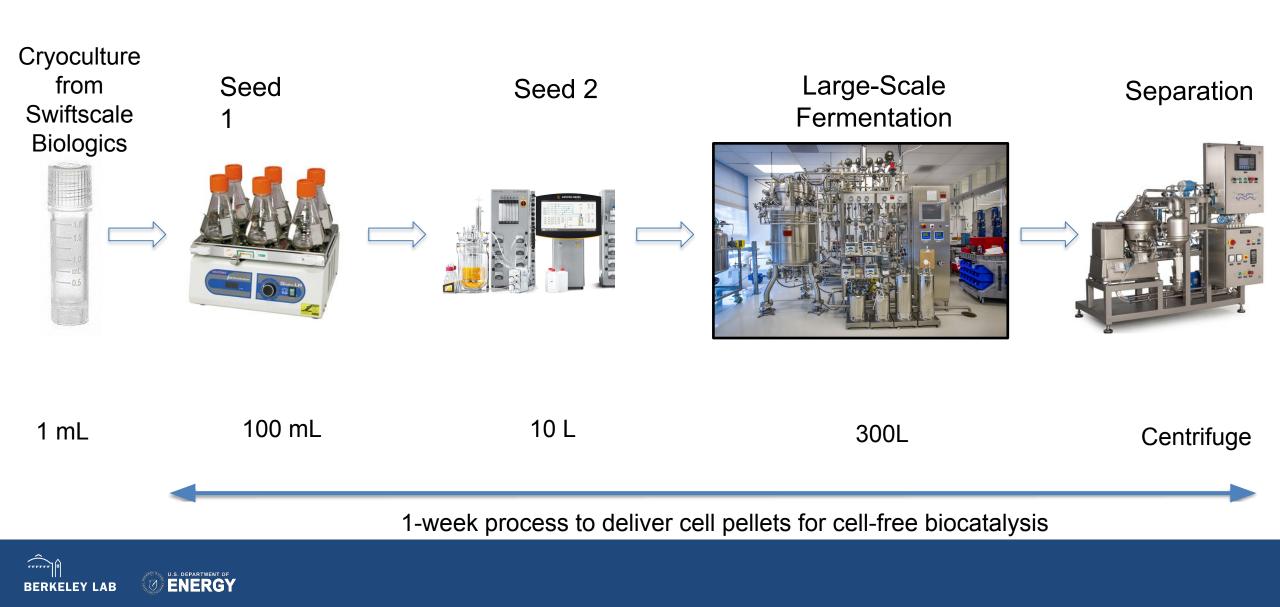
ENERGY

.....)

BERKELEY LAB

- Using innovative cell-free platform to accelerate the timelines for antibody production
- ABPDU will generate cell-pellets for Swiftscale to optimize biocatalysis process





.....)

BERKELEY LAB

ABPDU Project #2: Enzymes for Rapid SARS-CoV-2 detection

- Caspr Bio: •
- Founded in 2018 for rapid Zika virus detection Ο
- Proprietary CRISPR-Cas12 platform Ο
- **Rapid results**, minimal training and equipment Ο

ABPDU role: •

Produce and purify Cas12 enzyme to accelerate testing and Ο deployment of diagnostic kits



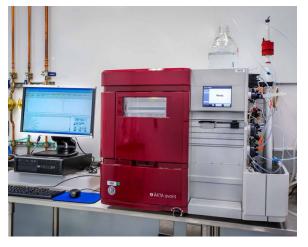
Ambr 250 process development











Protein purification





How do we minimize COVID-19 exposure?

- Safety training: BE-0200, "ABPDU COVID-19 Exposure Prevention"
- Minimally staffed: no affiliates, only critical projects, necessary personnel only
- Social distancing: always 6 ft. apart (applies to hallways, cubicles, all lab rooms)
- PPE: cloth masks always required , gloves in lab, wash hands before/after lab
- Close-proximity tasks: trained personnel, full-face respirator, mask on exhaust

