

## AutoWean: Autonomous Mechanical Ventilation Weaning for Intensive Care Unit Patients

### Challenge:

- Mechanical ventilation can cause severe complications
- Clinicians are overworked reducing personal attention for each patient

### Solution:

- Clinical decision support system for mechanical ventilation weaning



### Scientific Impact:

- Closed-loop MCPS will lead to improvements in other clinical scenarios and non-medical CPS areas

### Broader Impact:

- Better outcomes for millions of patients
- Ease the burden on clinicians
- Reduce healthcare costs