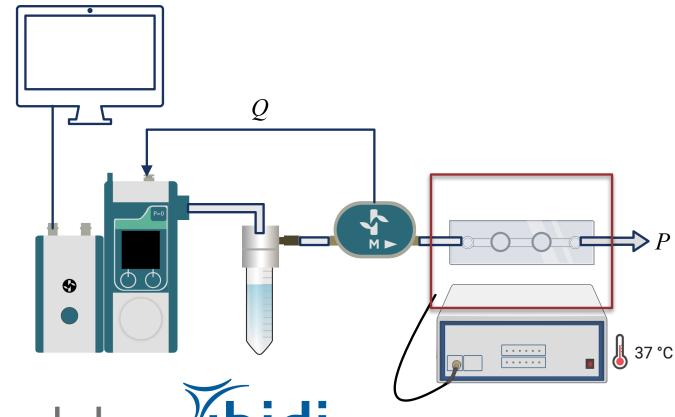
## THE SETUP

- For fluidics experiments using Fluigent pressure controller and flow sensor
- oko-lab for temperature control
- ibidi microfluidic chip



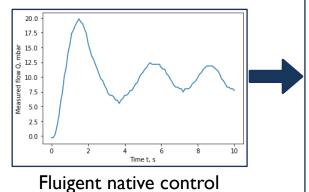


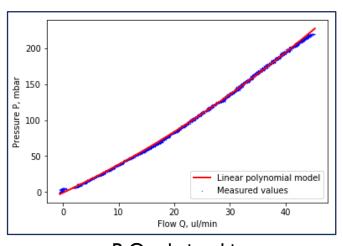


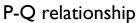


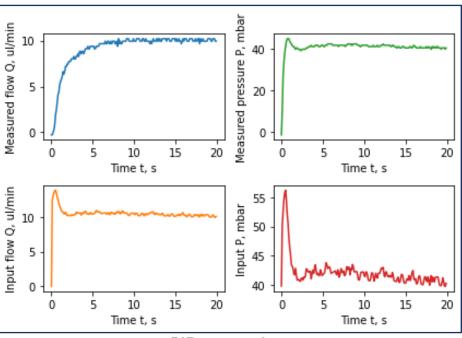
## **AUTOMATION**

- Fluigent SDK can be programmed with Python
- P-Q relationship determined using polynomial regression
- Implemented PID control of flow improved flow input compared to native control









PID control

