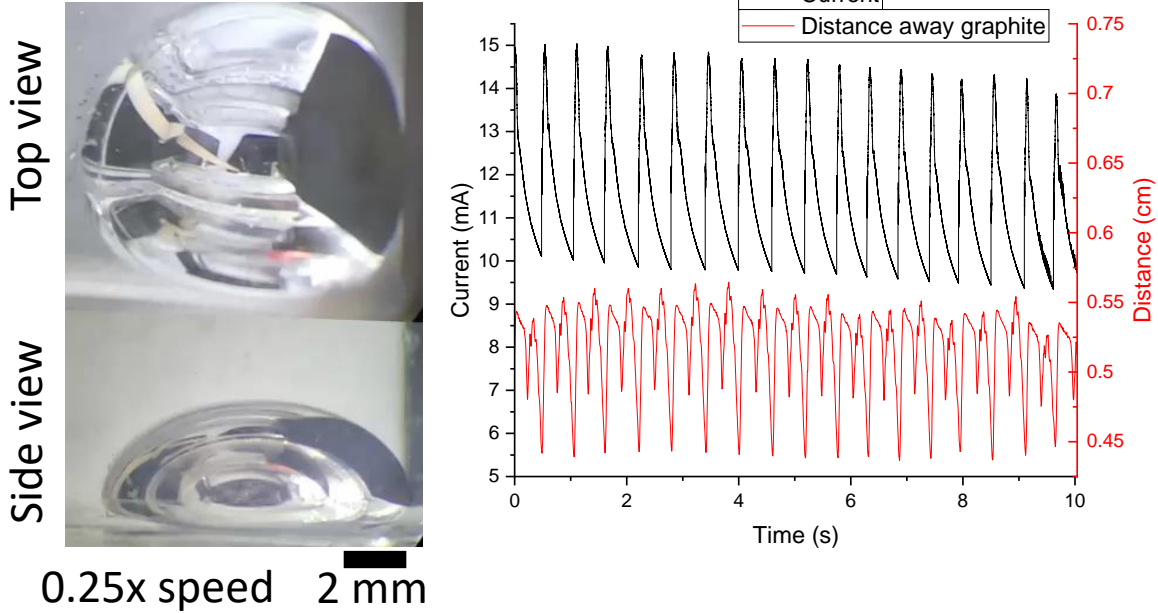
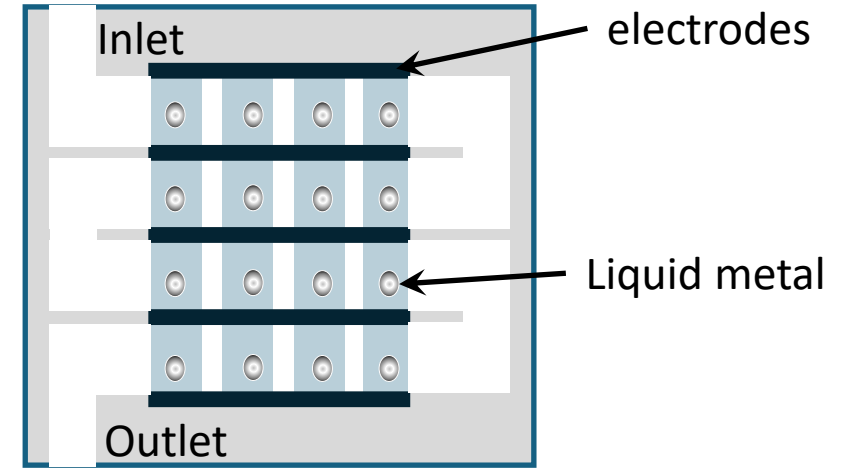


# Research Project 4: Neural network based on liquid metal droplet oscillators

## Liquid metal droplet producing oscillatory signals

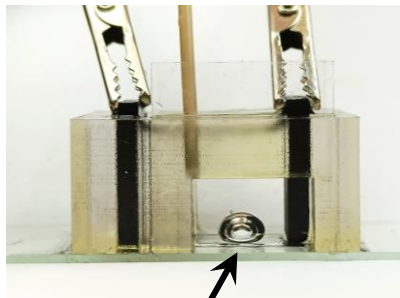


## Proposed microfluidic design



1. How can we design and control the coupling between different oscillators?

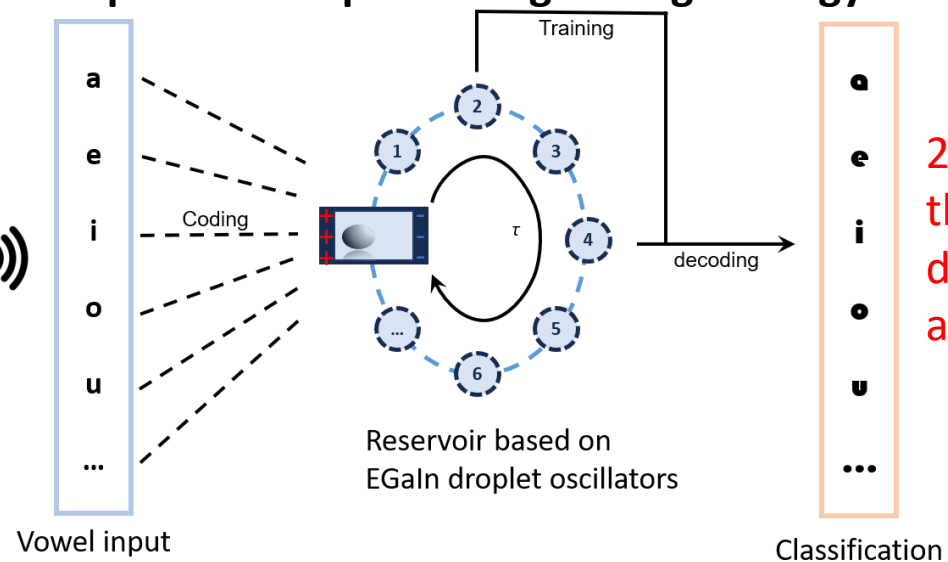
## 3D printed device



Liquid metal Droplet



## Proposed data-processing coding strategy



2. How can we use the oscillator(s) in data processing such as vowel recognition?