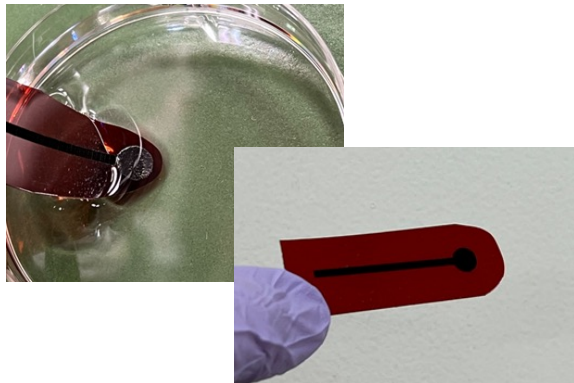


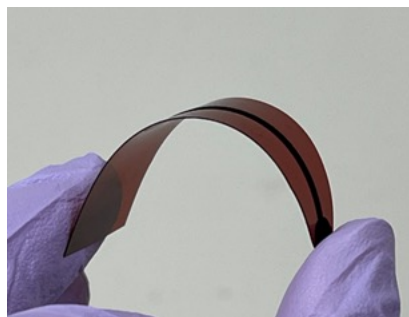
Electrochemical Glucose sensors

By reading information from both inside and outside the body, we can understand health conditions and detect illnesses. Biosensors are capable of measuring various biological signals such as bioelectric potentials, glucose, lactic acid, sodium ions, and potassium ions. However, rigid sensors can cause discomfort when worn. In this project, we will develop a glucose sensor by creating electrodes on a plastic substrate. Laser-based carbonization will be used to fabricate flexible wiring for the electrodes. Through this training, you will learn the entire process from electrode fabrication to the measurement of biological samples.

Carbon electrode



Flexibility



Glucose sensing

