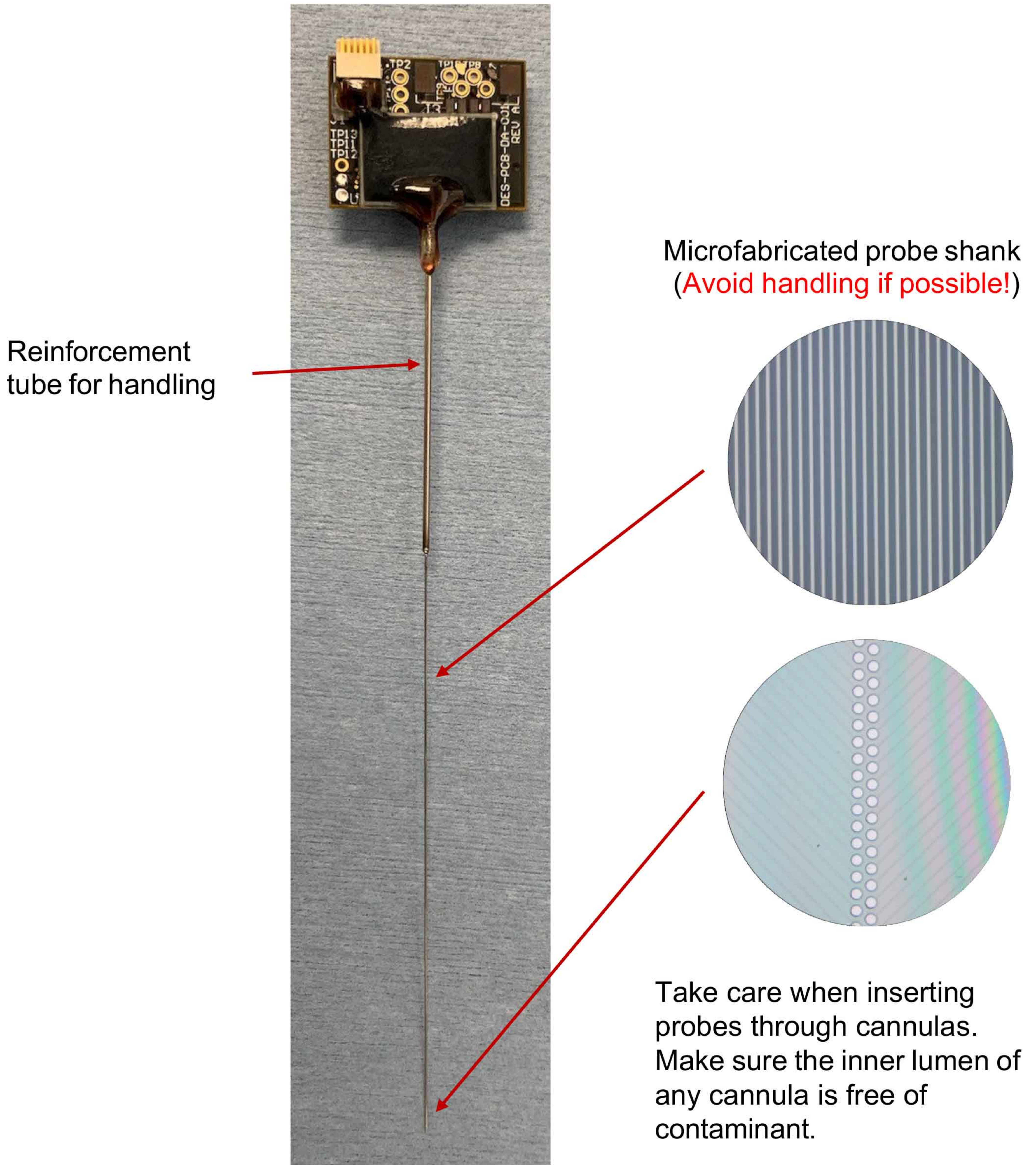




# Deep Array Handling Instructions



Reinforcement tube for handling

Microfabricated probe shank  
(Avoid handling if possible!)

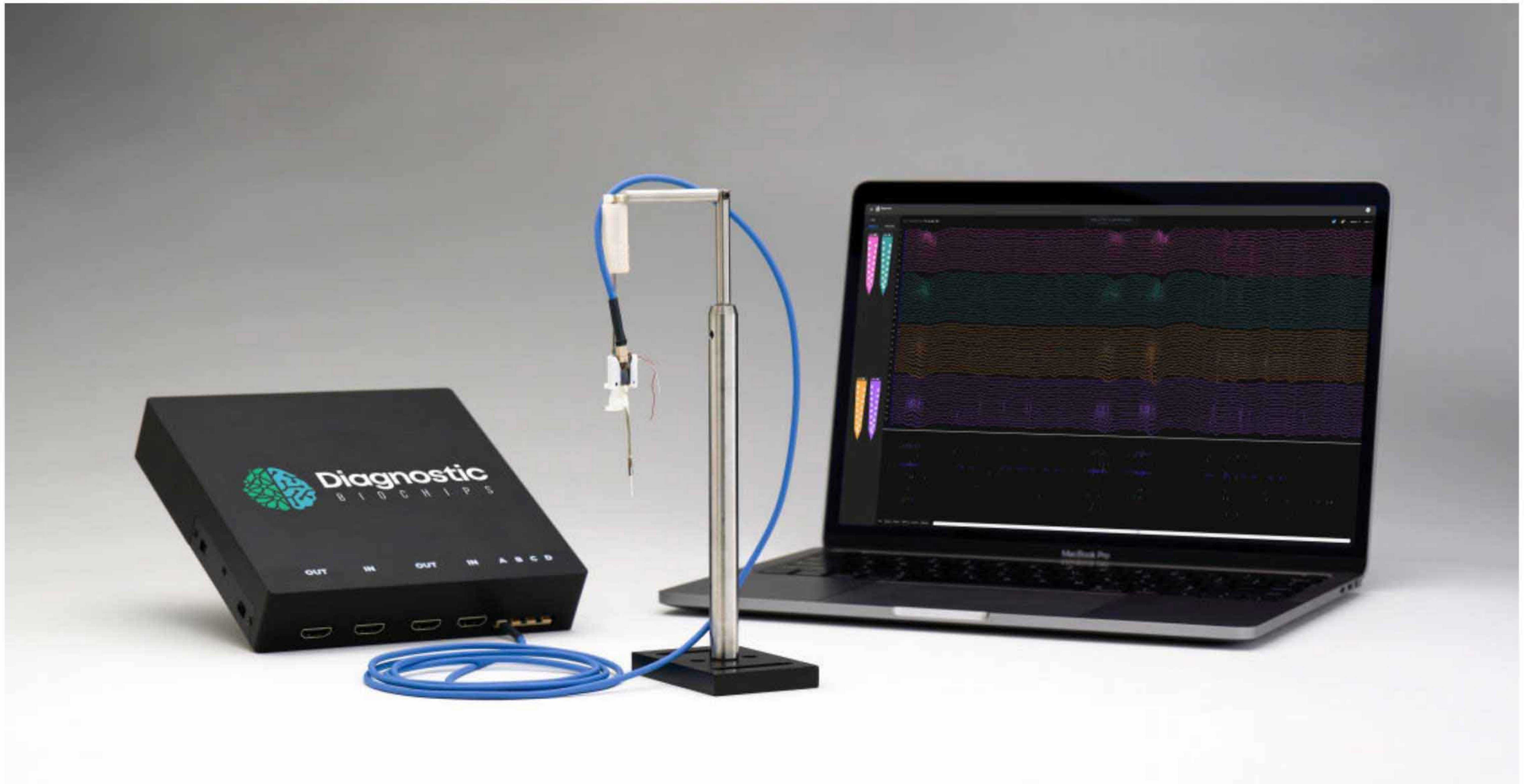
Take care when inserting probes through cannulas. Make sure the inner lumen of any cannula is free of contaminant.

*Front view*



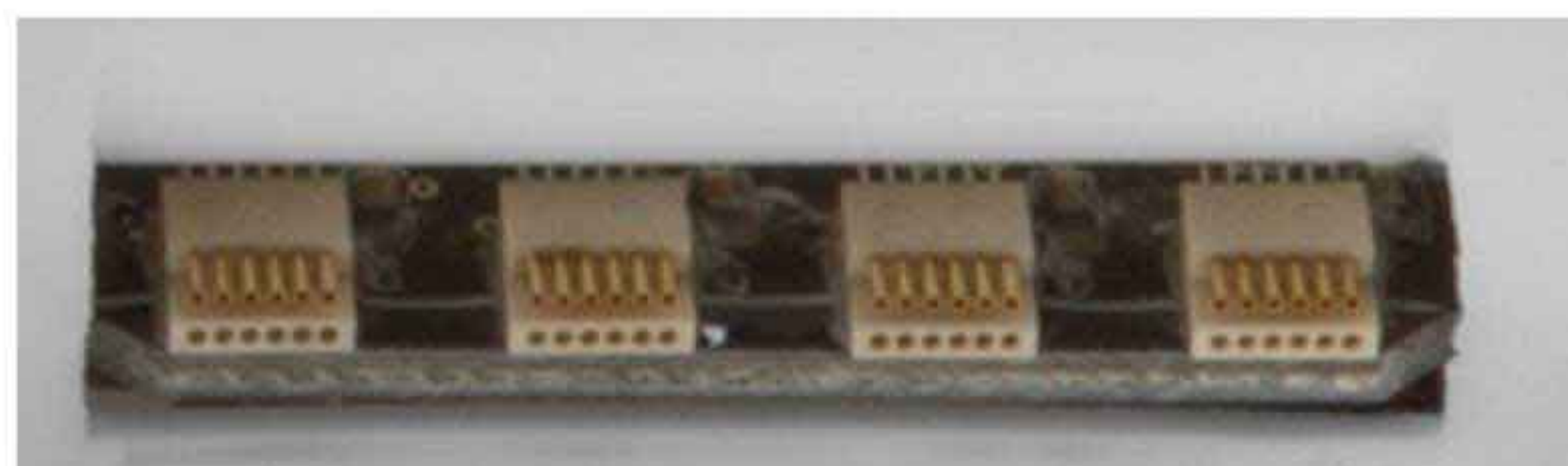


# Data Acquisition and Cloud Computing



## Data acquisition

1. Connect Data Acquisition Box to 5V DC power
2. Connect Data Acquisition Box to a computer using provided USB cable
3. Connect probe to Data Acquisition Box via SPI cable to any of the four SPI ports.



4. Open openEphys GUI, which can be downloaded at <https://open-ephys.org/gui>.

Please follow documented instructions on how to start recording

5. For on-cloud data management, spikesorting, curation and sharing, please contact DBC at:

**info@diagnosticbiochips.com**



# Deep Array Cleaning Instructions

It is critical to avoid fluid carrying organic materials to air dry on the probe surface. It will leave residue covering sensitive recording sites that are impractical to remove once adsorbed.

## Cleaning:

1. Immerse in Tergazyme (available from Alconex) for 0.5-1 hr  
**immediately** after extraction from the tissue
  - Dilute Tergazyme following the manufacturer instructions  
[www.alconox.com/product/tergazyme](http://www.alconox.com/product/tergazyme)  
[e](#)
  - Recommended use in 20-40°C water bath
2. Remove probe from the Tergazyme solution and **immediately** immerse in DI water (gently stirring it to remove any excess residue)
3. Rinse probe in IPA (Isopropyl Alcohol) for about 30 seconds.