

VISHNU
UNIVERSAL LEARNING

Centre for Academic Excellence





VISHNU INSTITUTE OF TECHNOLOGY

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (III year)

SPARK TANK-2023

CLASSIFICATION OF BIOMARKERS & MAGNETIC TRACKING OF NANOBOTS

-TEAM CHALLENGERS





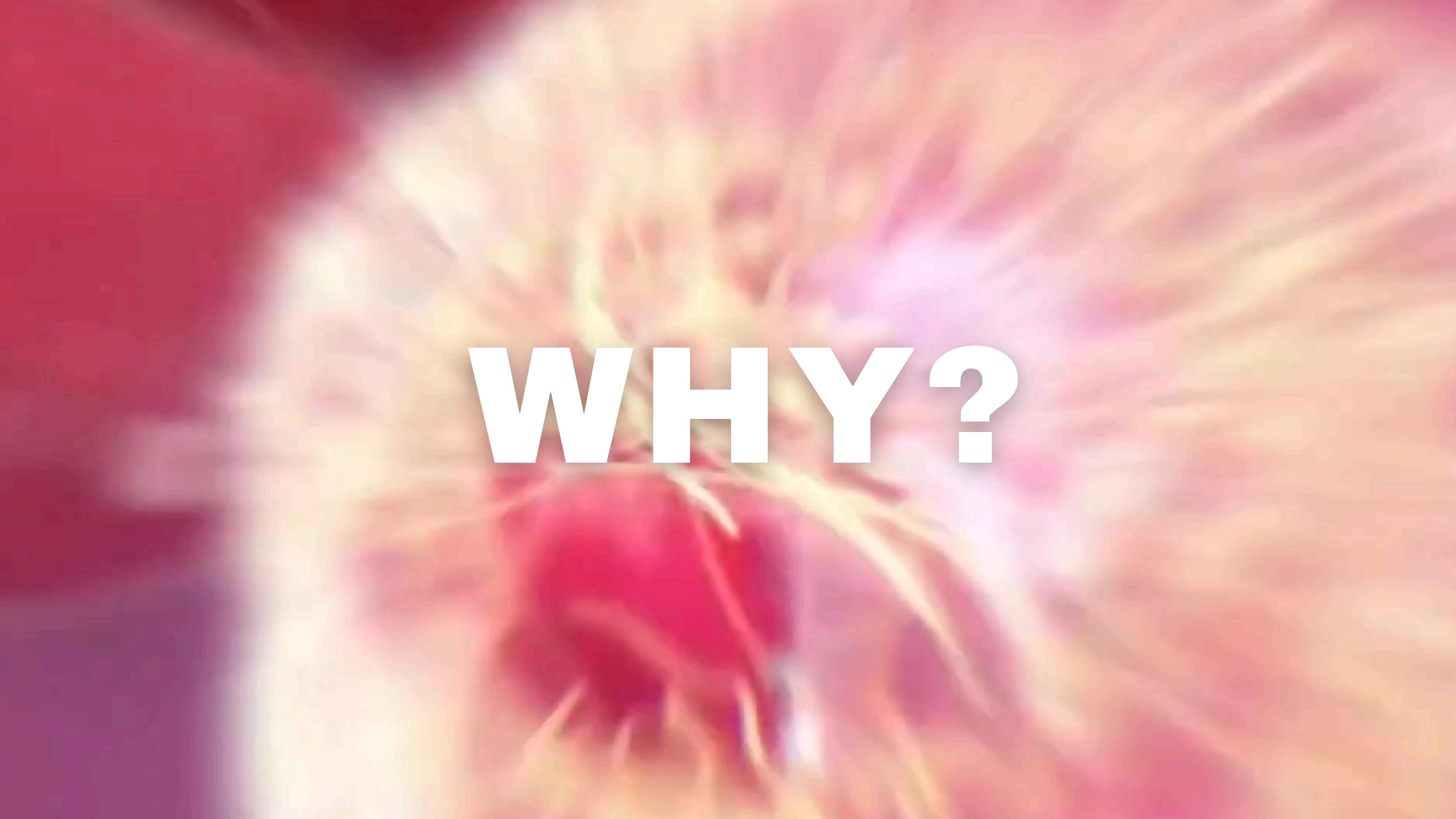
CANCER



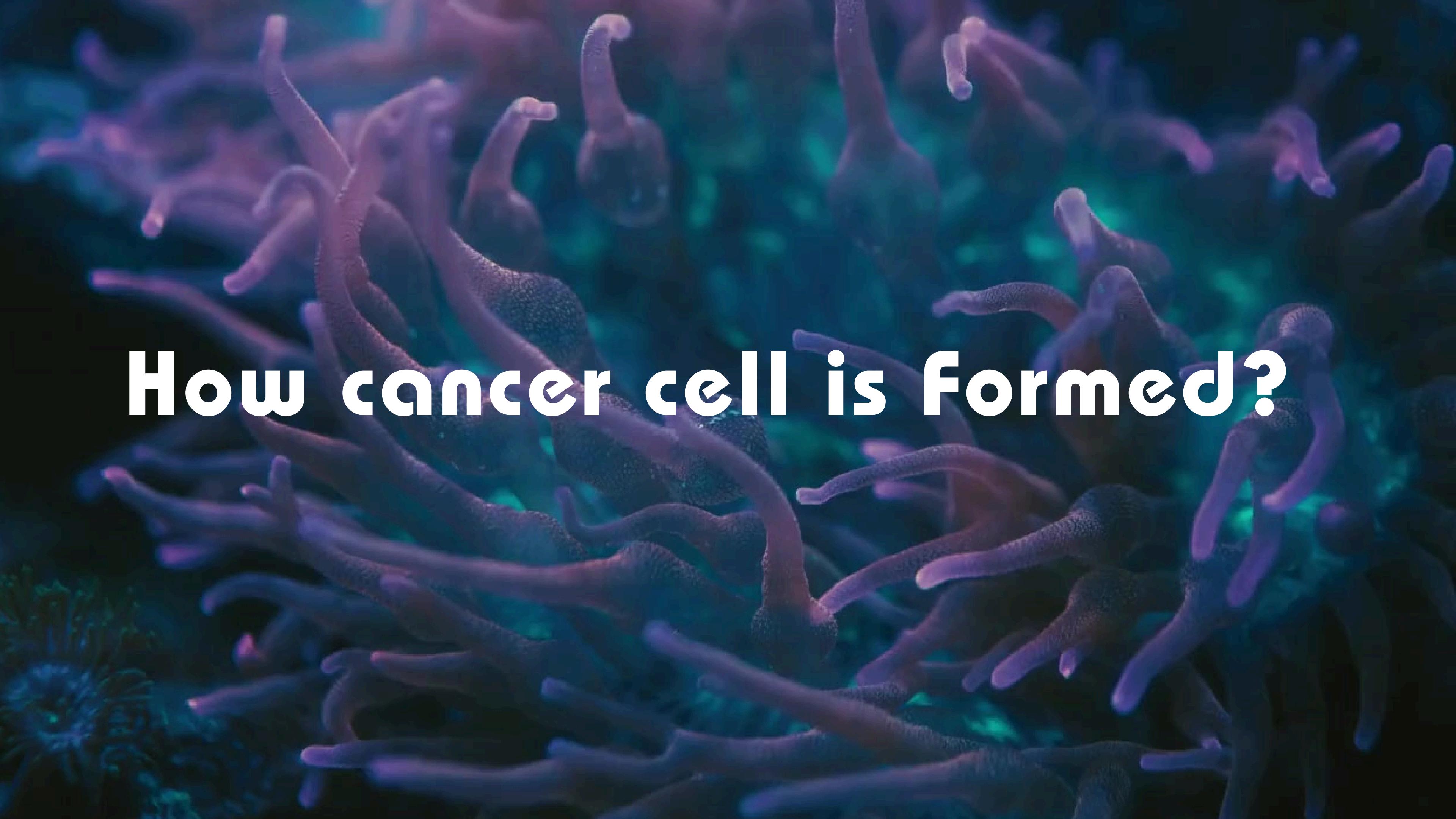
WHAT?



HOW?



WHY?

A dense cluster of cancer cells, characterized by their irregular, elongated shapes and numerous long, thin processes (filopodia) extending outwards. The cells are stained in shades of purple and blue, set against a dark, textured background.

How cancer cell is Formed?

A close-up photograph of laboratory glassware against a blue background. In the foreground, several clear test tubes are visible, some containing a clear liquid. To the right, a clear plastic graduated cylinder is partially filled with an orange liquid, with markings visible at 10 and 20. A dropper pipette is positioned above the test tubes, with a single drop of liquid suspended from its tip.

BIOMARKERS...

Biomarker is the molecule
/genetic signatures
that indicate the presence or
progression of cancer



HERE WHERE MACHINE LEARNING COMES INTO PLAY

machine

learning

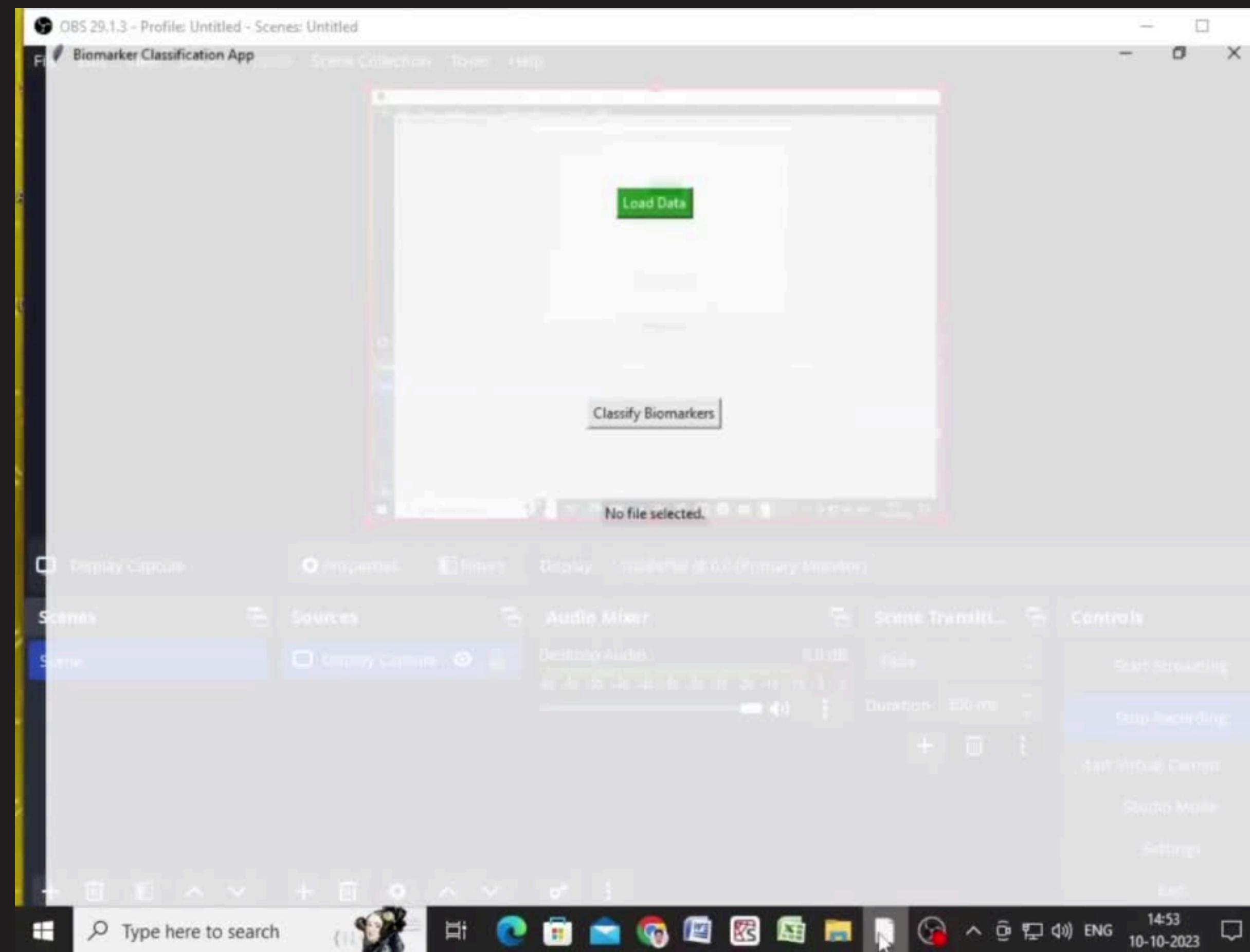
Why....?

NANOBOT

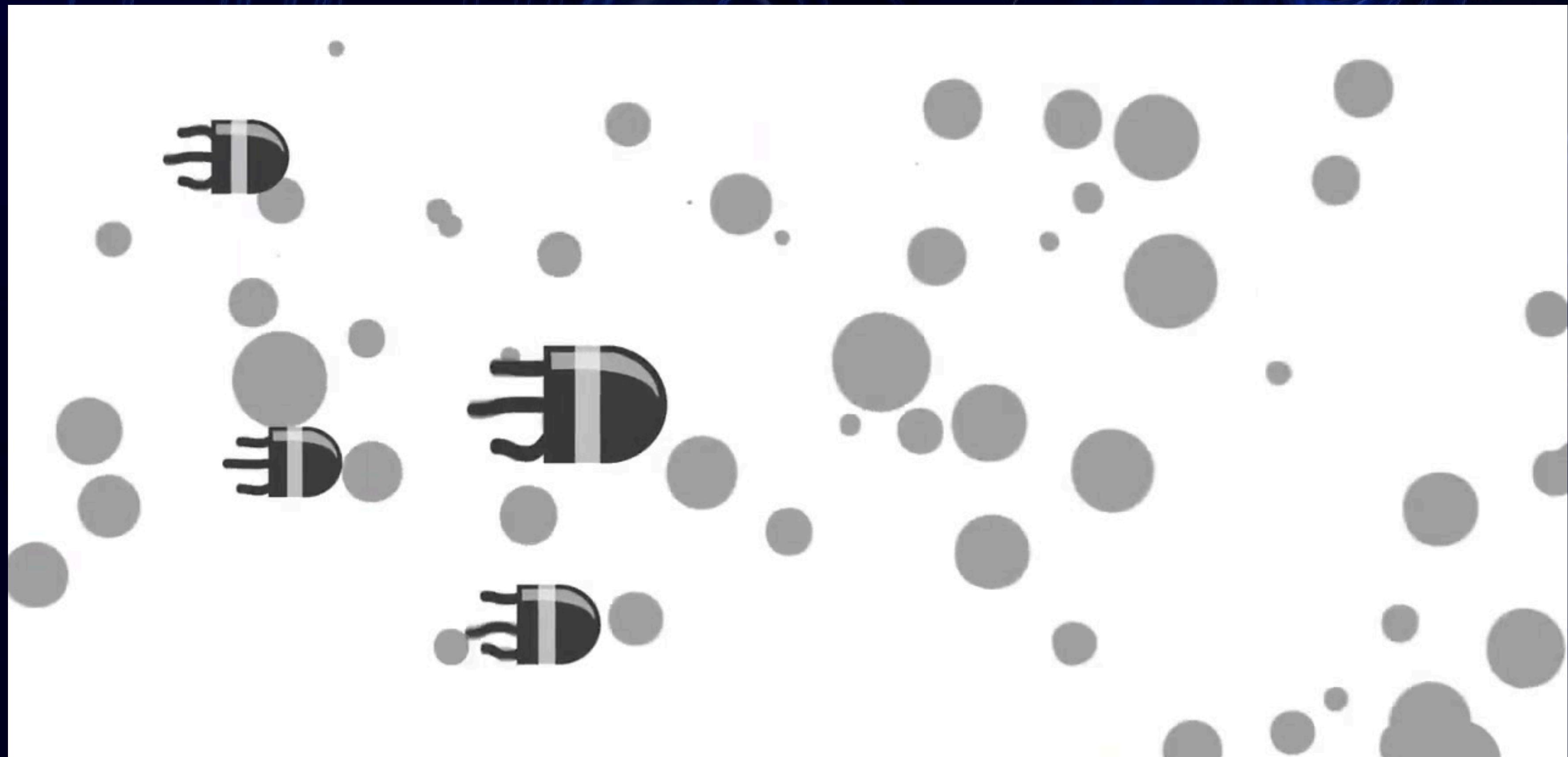
Nanobot working

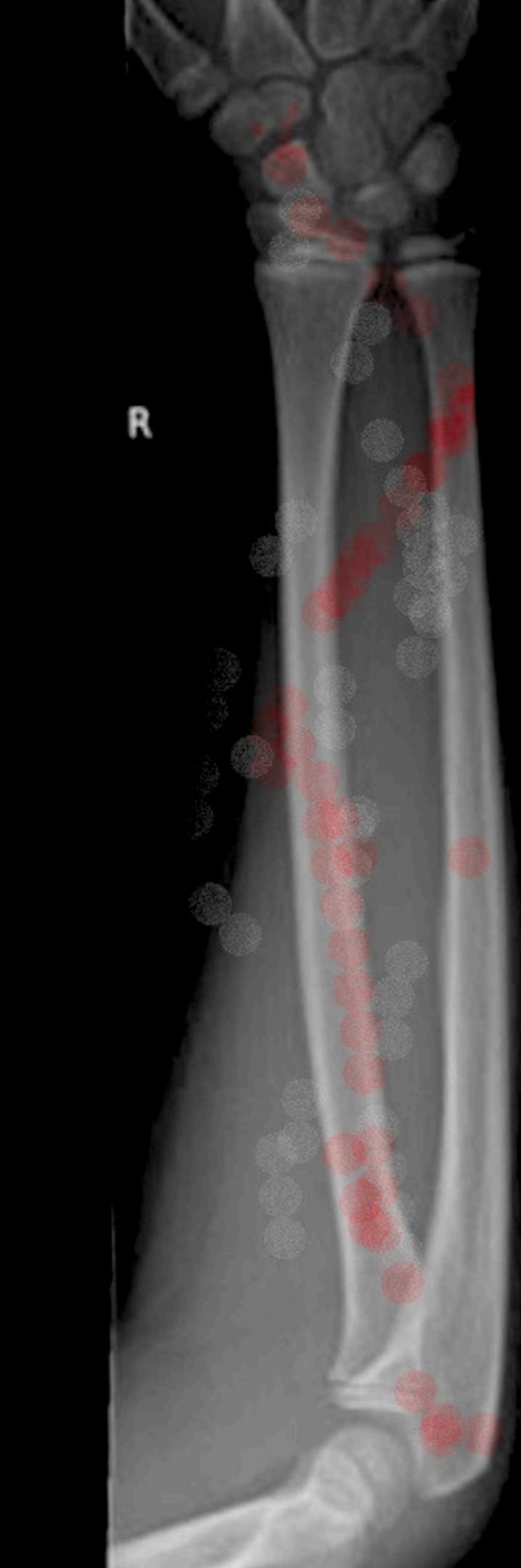
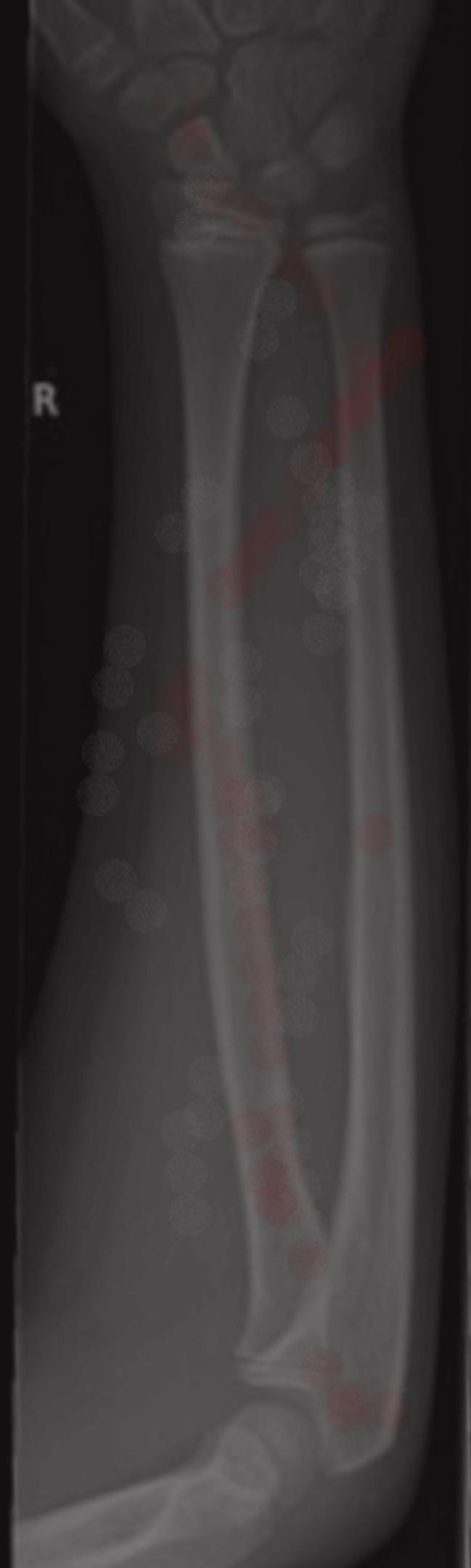
Our classification helps in
selecting type of Nanobot

The way, we classify...?



MAGNETIC TRACKING OF NANOBOT





54.6

24.00 0000.20 00.26 30.2



Thank You!

Mentor:

P L N Prakash Kumar

Team Challengers:-
Ch.Sravani
G.Bhavya Sai
K.Vijaya Kalyani
J.Sidhardha Sai Kumar
Ch.Chaitanya Satya Sai