



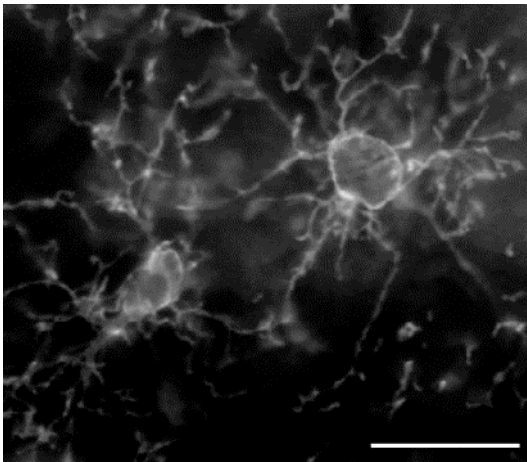
Summary

Tokyo University

Stay at Komaba international lodge

Experience Lablife

Communication difficulties



Biomedical Precision Engineering Laboratory

Neural network interaction research

Research the communication between neurons

Emphasis on M.E.A. usage



Research

Objectives:

- Study the Effects of long term potentiation on neurons
- Learn to Dissect a rat, and prepare it's organs for culture conditions
- Learn to make a Micro Electric Array (M.E.A.) by using Lithography

Study done on brain cells of rats, cultured on mea to grow neural networks, it's necessary to comprehend the working on this level to better know the mechanics involved in the brain



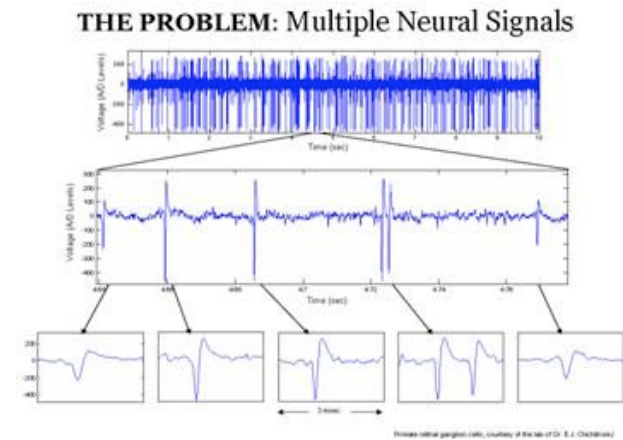
Research

Setup:

M.E.A. Used with 64 Channels

Brain Cells used of rat

Matlab to analyse the aquired data



Results:

Longterm Potiation confirmed

Many aspects involving Neural Networks

Building step for more advanced research



Student Life



Stay at Komaba international lodge

Many foreign friends Japanese people increadable friendly

Experience a culture totally different then your own!

