



The Lorry I. Lokey Interdisciplinary Center
for Life Sciences and Engineering

NETWORK BIOLOGY RESEARCH LABORATORIES



Department of Electrical Engineering

■ ■ ■ ■ Electronics

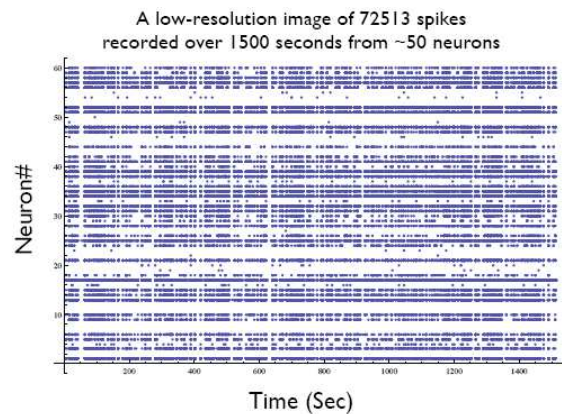
■ ■ ■ ■ Computers

■ ■ ■ ■ Communications

The WALL-E Contest

Project Description:

This robot has two sensors and two motors, and is controlled by a biological neural network. How are the sensory information and the motor commands encoded in the neural activity of the robot's 'brain'?



Project Objectives: Each group will be given a data set containing recordings of the robot's movements and neural activity. The aim is to come up with **as many different simple** decoding models as possible. A decoding model is a model which is able to predict the robot's behavior based on its neural activity.

For information contact: Avner Wallach or Danny Eytan at the Network Biology Laboratory (5074).