SpiNNaker Tutorial Overview

Andrew Rowley

NICE 2019
SpiNNaker Chip

Multi-chip packaging by UNISEM Europe
SpiNNaker Boards
SpiNNaker Machines
SpiNNaker 1 Million!
Computational Neuroscience
Computational Neuroscience

The diagram illustrates signal flow through photoreceptors, bipolar cells, amacrine cells, and ganglion cells. The labels indicate excitatory and inhibitory connections.
Robotics
Robotics
Future Computation
Future Computation
Future Computation
Access to SpiNNaker

Remote SpiNNaker
Batch Processing
SpiNNaker Tutorial

• Access to SpiNNaker via Jupyter Notebook
• PyNN on SpiNNaker
  • How to use PyNN
  • Using PyNN on SpiNNaker
• Experiment with PyNN on SpiNNaker!