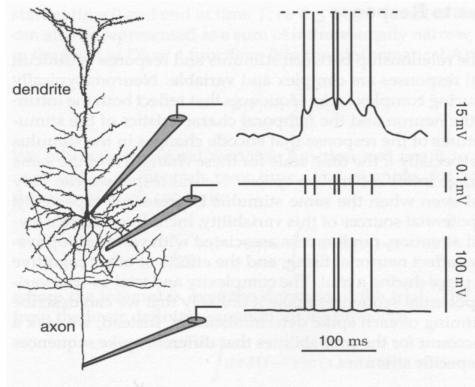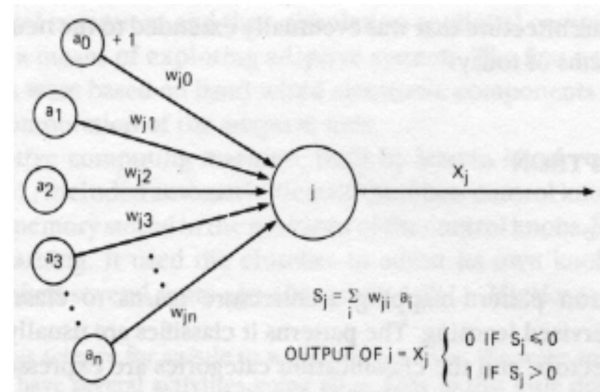# COMP305: Homework 1

1. Q: Describe the biological computation and the relation with biology.

2. Q: Briefly introduce the neuron signal processing

3. Q: Briefly describe the relation between a biological neuron and the abstract model shown below.

Biologial neuron

$$S_j = \sum_i w_{ji}\, a_i$$

$$\text{OUTPUT OF } j = X_j \begin{cases} 0 \text{ IF } S_j \leqslant 0 \\ 1 \text{ IF } S_j > 0 \end{cases}$$

abstract model