ModelDB Quick Start Guide

1. Install the latest version of NEURON if you have not already done so (http://www.neuron.yale.edu/neuron/download)

2. Download the zip file from ModelDB by clicking the "Download zip file" button

3. Unzip the file on your computer

4. Within the **superdeep** directory, compile the mechanisms (see http://www.neuron.yale.edu/neuron/faq#compilemod for guidance)

5. Open a terminal and in the command line (or Cygwin, in Windows), run the model by entering: **nrniv superdeep.hoc**

6. After the simulation completes, the terminal should display something like:

```
load_balance = 0.913367
exchange_time = 89.467
****
TIME SUMMARY for host 0 set up in
0.94 seconds created cells in
1.87 seconds connected cells in
3.23 seconds ran simulation in
5965.27 seconds
************
This run is called: none
************
```

7. The simulation results can then be found within the **results** subdirectory of the **superdeep** directory. They will be located in a directory with the same name as the name of the simulation run (shown in the terminal output; in this example the simulation was named **none**).

8. If you wish to use our analysis program to analyze the results of your simulation run, download our SimTracker tool from: http://senselab.med.yale.edu/SimToolDB/ShowTool.asp?Tool=153281

For additional resources and assistance, check out this model's website at: http://www.ivansolteszlab.org/models/superdeep.html