

Mummichog hand-on session

Shuzhao Li, Ph.D
shuzhao.li@gmail.com

Topics to cover:

- Installation
- Running mummichog program
- Understanding the output
- Visualization of networks via Cytoscape
- Visualization of metabolite features using heat maps

Tools and resources:

- Installation - follow instruction on <http://mummichog.org>
 - a. Anaconda (<http://continuum.io/downloads>)
 - b. Mummichog
- Installation of Cytoscape (<http://cytoscape.org>)
- Heat map generation
 - a. Point and click:
MeV (<http://www.tm4.org/mev.html>),
Gitoos (<http://www.gitools.org>)
 - b. Coding required:
R with ggplot2 <http://ggplot2.org/>;
Python with Bokeh <http://bokeh.pydata.org/>