OpenFLUX

A MATLAB-based application to perform steady-state and dynamic 13C-MFA based on the EMU framework. The application facilitates the inference of metabolic pathway activities from 13C enrichment data (mass isotopologues) using simple text inputs and scripting interfaces. Each object of the OpenFLUX class encapsulates data, model and allowable operations, and is designed to be self-contained/portable.

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Available input and models:

* OpenFLUX version 2009 steady-state toy model
* Steady-state toy model (similar to version 2009)
* Dynamic toy model
* Adipocyte insulin response model

Workflow:

1. Edit OFspec\_\*.m to specify parameters of the OpenFLUX object.
2. Run the required task in OFstartHere.m by toggling on/off the specification file and task.

