Inventory of Files!

**The codes and workspaces in (2)-(4) fit the models to the IMT data in the workspaces in (1) using MLE.**

(1) Workspaces containing vectors if IMTs, G1-times, and/or S-G2-M times:

* DMSO\_imts\_April2017.mat
* erlot\_imts\_April2017.mat
* FUCCI\_April2017.mat
* MCF\_imts\_April2017.mat
* CHX\_imts\_April2017.mat
* PC9\_April2017.mat

(2) Custom probability density functions:

* emgpdf.m
* onestagepdf2.m
* onestagepdf\_lag.m
* convolv\_2invG\_nov.m
* convolv\_2invG\_adapt\_nov.m
* convolve\_3invG\_nov.m

(3) Supporting functions

* gp\_max.m
* onestagepdf\_prime.m

**Note: IMT\_analysis\_April2017.m uses allcomb.m, which is available through the MathWork file exchange.** <https://www.mathworks.com/matlabcentral/fileexchange/10064-allcomb-varargin->

(4) Master script that calls the functions above in order to perform maximum likelihood parameter estimation:

* IMT\_analysis\_April2017.m

------------------------------------------------------------------------------------------------------------

**Data and data processing codes are below.**

(5) Original data files

* 2011-10-21 Well C10 tracking.csv
* AT1.csv
* CHX\_data.csv
* DMSO\_data.csv
* erlot\_data.csv
* MCF10A-SS-0501C04.csv
* PC9\_C04.csv
* PC9\_C05.csv

(6) Codes for processing the data in the csv files, and MATLAB workspaces created by importing csv files into MATLAB.

* GetProcessedData\_erlot\_July.m
* erlotdata\_July.mat
* GetProcessedDataParts.m
* C10\_G1\_SG2M.mat
* GetProcessedData\_July.m
* C04.mat
* C05.mat
* CHXdata\_July.mat
* DMSOdata\_July.mat
* GetProcessedData\_progeny\_July.mat
* AT1.mat
* MCF.mat