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**Sample-size estimation**

* You should state whether an appropriate sample size was computed when the study was being designed
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* High-throughput sequence data should be uploaded before submission, with a private link for reviewers provided (these are available from both GEO and ArrayExpress)

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* For each experiment, you should identify the statistical tests used, exact values of N, definitions of center, methods of multiple test correction, and dispersion and precision measures (e.g., mean, median, SD, SEM, confidence intervals; and, for the major substantive results, a measure of effect size (e.g., Pearson's r, Cohen's d)
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* Indicate how samples were allocated into experimental groups (in the case of clinical studies, please specify allocation to treatment method); if randomization was used, please also state if restricted randomization was applied
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* Where provided, these should be in the most useful format, and they can be uploaded as “Source data” files linked to a main figure or table
* Include model definition files including the full list of parameters used
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Since we used simulated data, we have made all drugged and drug-free iPSC-CM and adult-CM AP data used for training and testing the multitask network publicly available at Clancy lab Github. (<https://github.com/ClancyLabUCD/Multitask_network/tree/master/data>). In addition, we have illustrated training and test dataset in Figure1 at page 8 and Figure5 at page 15.

We have also shared the jupyter notebook for preparing clean and organized data for training the network at Clancy lab Github (<https://github.com/ClancyLabUCD/Multitask_network/tree/master/jupyter>).

We also made experimental data used for the model validation publicly available at Clancy lab Github. ([https://github.com/ClancyLabUCD/Multitask\_network/blob/master/data/clean\_data/experiments.csv](https://github.com/ClancyLabUCD/Multitask_network/blob/master/data/clean_data/experiments.csv%20) ). The Figure 7 at page 19 illustrates the experimental data we used to validate the network.