

CellML Simulator

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Note:

Andre has a [new version](#) of his simulation tool available which is a stripped down version of the [simulation tool](#) found here. It is recommended to use that software.

This is a tool built on top of the C Code Generation Service (CCGS) from the CellML API implementation, freely available from the [CellML Project](#). It uses the CellML [simulation](#) and [graphing](#) metadata to decide what simulations need to be performed using the models specified in the metadata and then (optionally) produces the described plots. It also has support for some post-processing analysis of the simulation results.

1 Publications

There is now a growing list of scientific publications utilising CellML Simulator:

- Nickerson, D. P., Corrias, A., and Buist, M. L. (2008). [Reference descriptions of cellular electrophysiology models](#). *Bioinformatics*, **24**(8), 1112–1114. [[Online supplement](#).]
- Nickerson, D. and Buist, M. (2008). [Practical application of CellML 1.1: The integration of new mechanisms into a human ventricular myocyte model](#). *Prog Biophys Mol Biol*, **98**(1), 38–51. [[Online supplement](#).]