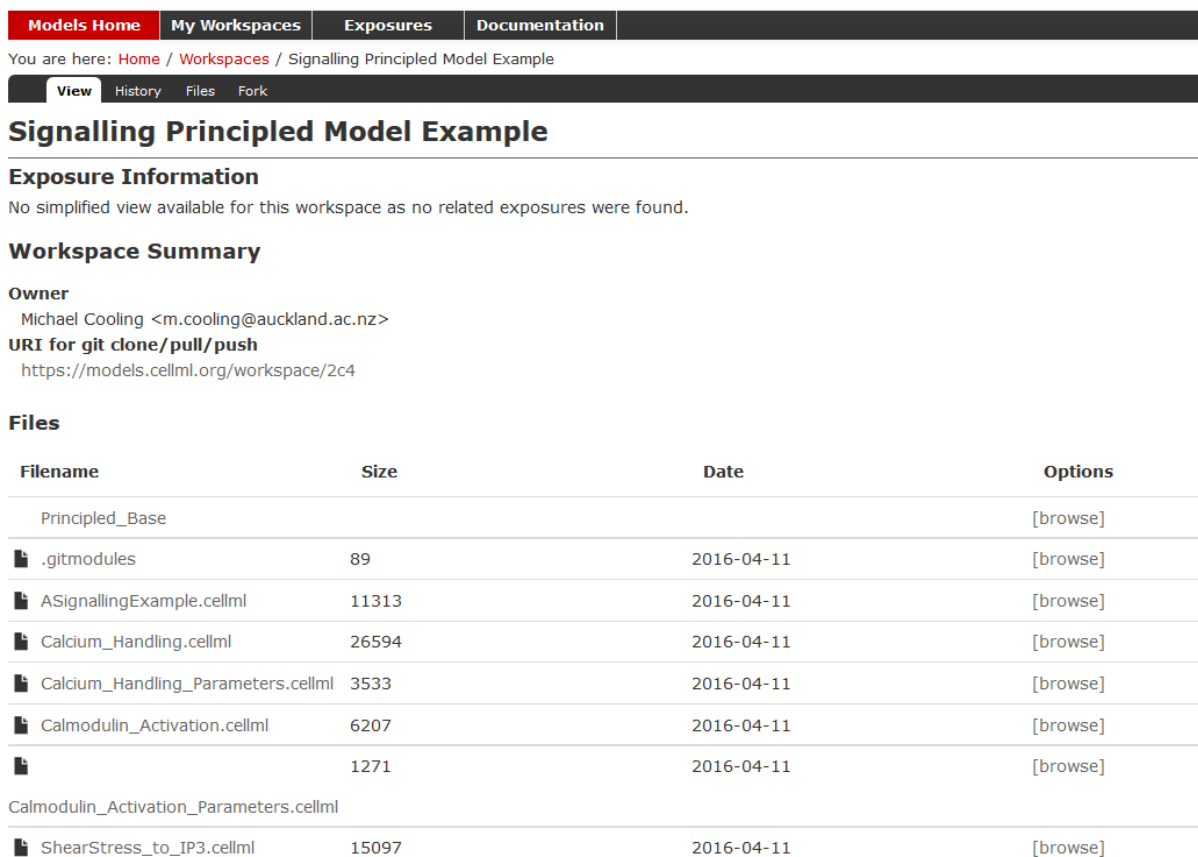


Obtaining and Simulating the Example Models

The model files must be obtained from the Physiome Model Repository (<http://models.physiomeproject.org>). There are several ways to do this, from a simple download and local use of files to distributed source control of the model code across the internet. More details of the Physiome Model Repository and examples of workflow can be found at <http://models.physiomeproject.org/docs>.

The simplest way to obtain the model files is to download a .zip file that contains them. Each of the Signalling and Core Domains example ‘workspaces’ in the Physiome Model Repository contains such a .zip file.

To download the Signalling Example .zip file, navigate to the Signalling Example workspace at <http://models.physiomeproject.org/workspace/2c4>. A list of model and documentation files will be presented, similar to Figure S1-1.



Models Home | **My Workspaces** | Exposures | Documentation

You are here: [Home](#) / [Workspaces](#) / Signalling Principled Model Example

View | History | Files | Fork

Signalling Principled Model Example

Exposure Information

No simplified view available for this workspace as no related exposures were found.

Workspace Summary

Owner
Michael Cooling <m.cooling@auckland.ac.nz>

URI for git clone/pull/push
<https://models.cellml.org/workspace/2c4>

Files








Filename	Size	Date	Options
Principled_Base			[browse]
 .gitmodules	89	2016-04-11	[browse]
 ASignallingExample.cellml	11313	2016-04-11	[browse]
 Calcium_Handling.cellml	26594	2016-04-11	[browse]
 Calcium_Handling_Parameters.cellml	3533	2016-04-11	[browse]
 Calmodulin_Activation.cellml	6207	2016-04-11	[browse]
	1271	2016-04-11	[browse]
Calmodulin_Activation_Parameters.cellml			
 ShearStress_to_IP3.cellml	15097	2016-04-11	[browse]

Figure S1-1: Listing of files in the Signalling Example’s workspace

Find the file ‘ASignallingExample_CompleteModel.zip’ and use the ‘[browse]’ link on the right-hand side to request a copy via a subsequent ‘Download’ button.

A similar process can be followed to obtain and simulate the Core Domains example. The corresponding workspace can be found at <http://models.physiomeproject.org/workspace/2c5>. The name of the file to obtain is ‘ACoreDomainsExample_CompleteModel.zip’.

When unzipped, the contents of these files can be loaded into one's favourite CellML simulation environment. For a list of tools for CellML simulation, please see <http://www.cellml.org/tools/>. The recommended tool for this work is 'OpenCOR', which can be found at <http://www.opencor.ws/>. For the Signalling and Core Domains Examples, the corresponding top-level CellML model files to load are 'ASignallingExample.cellml' and 'ACoreDomainsExample.cellml', respectively.

For those desiring to start modifying or creating CellML modules or models, we recommend the tutorials and primers listed at <http://www.cellml.org/getting-started>.