

# Introduction<sup>1</sup>

August 6, 2018

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<sup>1</sup>HMS, 2018, v1.0

## Link to Downloadable Material

<https://goo.gl/6J7rqH>

## Download the Software First

To download the software go to the web site:

`http://tellurium.analogmachine.org/`

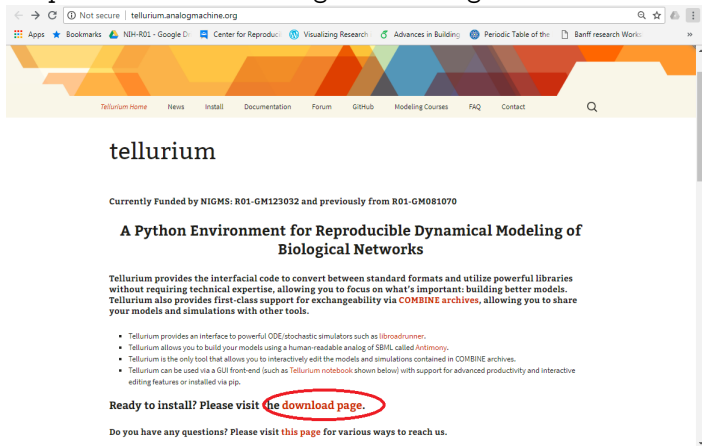
Pick the download that is appropriate for your computer.

Let's do this now.....

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The screenshot shows the homepage of the Tellurium website. The browser address bar displays 'http://tellurium.analogmachine.org/'. The website has a navigation bar with links: Tellurium Home, News, Install, Documentation, Forum, GitHub, Modeling Courses, FAQ, and Contact. The main heading is 'tellurium'. Below it, a line of text states: 'Currently Funded by NIGMS: R01-GM123032 and previously from R01-GM081070'. The main title is 'A Python Environment for Reproducible Dynamical Modeling of Biological Networks'. A paragraph describes the software's purpose: 'Tellurium provides the interfacial code to convert between standard formats and utilize powerful libraries without requiring technical expertise, allowing you to focus on what's important: building better models. Tellurium also provides first-class support for exchangeability via COMBINE archives, allowing you to share your models and simulations with other tools.' A bulleted list follows, detailing features like interfacing with libroadrunner, using Antimony, and supporting COMBINE archives. At the bottom, a red circle highlights the text 'the download page' in the sentence 'Ready to install? Please visit the download page.' Another line of text says 'Do you have any questions? Please visit this page for various ways to reach us.'

**tellurium**

Currently Funded by NIGMS: R01-GM123032 and previously from R01-GM081070

**A Python Environment for Reproducible Dynamical Modeling of Biological Networks**

Tellurium provides the interfacial code to convert between standard formats and utilize powerful libraries without requiring technical expertise, allowing you to focus on what's important: building better models. Tellurium also provides first-class support for exchangeability via **COMBINE archives**, allowing you to share your models and simulations with other tools.

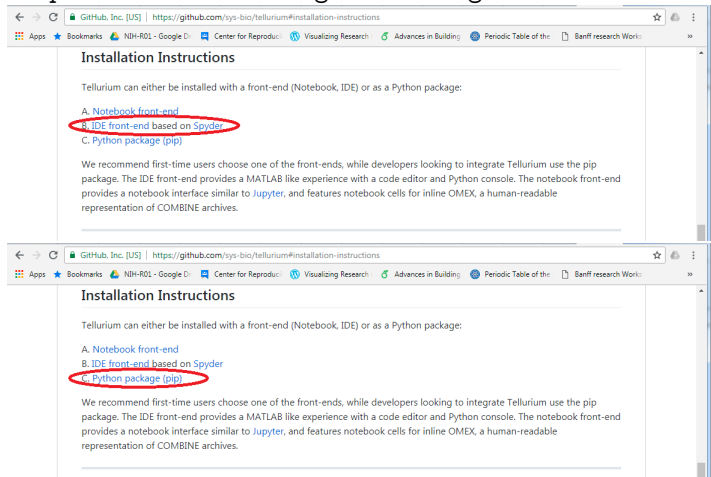
- Tellurium provides an interface to powerful ODE/stochastic simulators such as **libroadrunner**.
- Tellurium allows you to build your models using a human-readable analog of SBML called **Antimony**.
- Tellurium is the only tool that allows you to interactively edit the models and simulations contained in COMBINE archives.
- Tellurium can be used via a GUI front-end (such as **Tellurium notebook** shown below) with support for advanced productivity and interactive editing features or installed via pip.

Ready to install? Please visit **the download page**.

Do you have any questions? Please visit **this page** for various ways to reach us.

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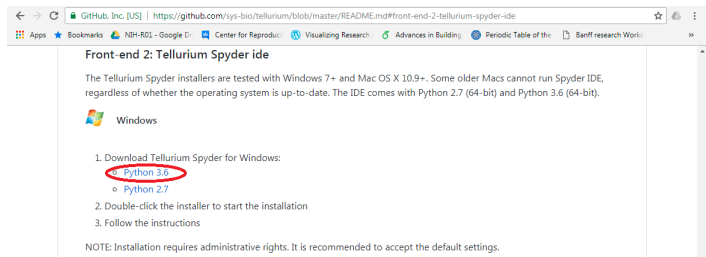
`http://tellurium.analogmachine.org/`



# Windows


`http://tellurium.analogmachine.org/`

For Windows Users:



The screenshot shows a web browser window with the address bar displaying the URL: `https://github.com/sys-bio/tellurium/blob/master/README.md#front-end-2-tellurium-spyder-ide`. The page title is "Front-end 2: Tellurium Spyder ide". The main content area contains the following text:

The Tellurium Spyder installers are tested with Windows 7+ and Mac OS X 10.9+. Some older Macs cannot run Spyder IDE, regardless of whether the operating system is up-to-date. The IDE comes with Python 2.7 (64-bit) and Python 3.6 (64-bit).

 Windows

1. Download Tellurium Spyder for Windows:
  - **Python 3.6**
  - Python 2.7
2. Double-click the installer to start the installation
3. Follow the instructions

NOTE: Installation requires administrative rights. It is recommended to accept the default settings.

## Mac and Linux Installation

For Mac OS X and Linux Users please refer to the detailed instructions at:

[https://github.com/sys-bio/tellurium/wiki/FAQ#  
i-would-like-to-use-tellurium-on-anaconda-what-should-i-do](https://github.com/sys-bio/tellurium/wiki/FAQ#i-would-like-to-use-tellurium-on-anaconda-what-should-i-do)