$\mathbf{wc}_c lidocumentation$

Release 0.0.1

Karr Lab

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Contents

Integrated user interface for whole-cell models and whole-cell modeling tools

The integrated user interface provides modelers the following capabilities:

- Display the available models and tools
- Display the available operations for each model and tool
- Run whole-cell models and whole-cell modeling tools

Contents

1.1 Installation

1.1.1 Prerequisites

- Python
- Pip

1.1.2 Latest revision from GitHub

Run the following command to install the latest version from GitHub:

```
pip install -r .circleci/requirements.txt
pip install git+https://github.com/KarrLab/wc_cli.git#egg=wc_cli
```

1.2 Tutorial

The following examples illustrate how to use the integrated interface to access whole-cell models and whole-cell modeling tools.

1.2.1 Models

List the available models

```
wc-cli model
```

Get the available operations for a model

```
wc-cli model h1-hesc
```

Run a model operation

```
wc-cli model h1-hesc sim
```

1.2.2 Tools

List the available tools

```
wc-cli tool
```

Get the operations for a tool

```
wc-cli tool lang
```

Run an operation of a tool

```
wc-cli tool lang validate /path/to/model.xlsx
```

1.2.3 Help

Get help

```
wc-cli --help
```

1.3 About

1.3.1 License

The software is released under the MIT license

```
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```

1.3.2 Development team

This package was developed by the Karr Lab at the Icahn School of Medicine at Mount Sinai in New York, USA.

1.3.3 Acknowledgements

1.3.4 Questions and comments

Please contact the Karr Lab with any questions or comments.