Morpheus Development Roadmap

Version 2.1

Scheduled release date: Dec 2018

- Improved SBML support
- New adaptive step size ODE solver (RK45)
- Provide local scope access in NeighborhoodReporters
- Bug fixes …

Version 2.2

Scheduled release date: Mai 2019

Planned features:

GUI

- **QT5** version upgrade
- **3d simulations preview** using VTK
- Support for **MultiCellML**

Simulator

- Heterogeneous Advection / Diffusion
- Fields inside of Cells

Version 2.3

Scheduled release date: Oct 2019

Planned features

- **New** compact model **storage format** in accordance with SED-ML
- **Python scripting** bindings for rapid plugin prototyping and morpheus interactive control.
- Public **model repository**, including options to convert to other simulator frameworks (CC3D).