

Development Process for PopSyCLE

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We are excited to welcome anyone who wants to develop new features for PopSyCLE. In order to keep this process organized, we ask that you follow this process for creating and submitting new features to the repository. (Downloading this PDF allows for clicking on all hyperlinks in the document.)

1 Getting Repository Access

Your first step will be to get added to the repository as a collaborator. Email jlu.astro@berkeley.edu with the subject line Requesting PopSyCLE Repository Access and include the following information in your request:

1. Name
2. GitHub Username
3. Academic Affiliation
4. Summary of the contribution you wish to make

2 Creating a New Feature

Due to the small size of the current PopSyCLE community we have opted to develop new features using branches on this repository instead of using GitHub forks. Begin by [cloning the current repository onto your local machine](#) and checking out the master branch. From master, create a new branch with a succinct name summarizing the feature you plan to write. Push this new branch back to GitHub so that all collaborators can see that a new feature is in development.

3 Submitting a New Feature for Review

Once you have completed the development of a new feature, you will want to submit it for review to be added into the master branch. We use GitHub pull requests for such review. [Create a pull request on GitHub](#) asking to merge your feature branch back into the master branch. Your feature will then be examined by one of our approved reviewers and you may be asked to comment on a [pull request review](#). Once the reviewers have determined that your feature is complete without issues, your pull request will be approved and your branch will be merged into master.

Approved reviewers are:

1. Jessica Lu : [jluastro](#)
2. Casey Lam : [caseylam](#)

4 Reviewing a Pull Request

Pull requests are evaluated to make sure that they successfully implement the intended feature without breaking any existing code. Reviewers should be mindful to think through all possible consequences of the proposed code changes, even to files not included in the pull request. If an issue is discovered, reviewers should [start a review](#) including commenting on specific lines of code that have issues. Work with the author of the changes to get the code to a stable and useful state. Then [approve any reviewss](#) and [merge the pull request](#). Pull requests should be merged with the **create a merge commit** option and the feature branch should remain undeleted.