**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 1: Computation Across the Curriculum**

**Lesson 4: Scientific Examples on a Single Core**

**References / Further Reading**

*Developed by Beau Christ for the Shodor Education Foundation, Inc.*



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*Browse and search the full curriculum at*[*http://shodor.org/petascale/materials/semester-curriculum*](http://shodor.org/petascale/materials/semester-curriculum)

*We welcome your improvements! You can submit your proposed changes to this material and the rest of the curriculum in our GitHub repository at*[*https://github.com/shodor-education/petascale-semester-curriculum*](https://github.com/shodor-education/petascale-semester-curriculum)

*We want to hear from you! Please let us know your experiences using this material by sending email to* [*petascale@shodor.org*](mailto:petascale@shodor.org)

The **drug design** code and explanation has been adapted from:

<http://selkie.macalester.edu/csinparallel/modules/DrugDesignInParallel/build/html/index.html> *(Last accessed: 7/6/2020)*

The **pandemic** code and explanation has been adapted from:

<http://selkie.macalester.edu/csinparallel/modules/PandemicWithoutMPI/build/html/> *(Last accessed: 7/6/2020)*

Both links provide a much more detailed and thorough explanation of these two problems.