

UCSF Chimeraのインストール手順 Windows版

2021年1月12日(火)

UCSF Chimeraは、UCSFのThomas Ferrinのグループが開発している分子描画プログラムです。アカデミックの方なら、ユーザー登録を行えば、無料で使用することができます。Windows, Mac, Linuxでのプログラムをダウンロード・インストールすることが可能です。

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1. UCSF Chimeraのページへアクセス

http://www.cgl.ucsf.edu/chimera/にアクセスし、左端の[Download]をクリックします。

UCSF Chimera Home Page

https://www.cgl.ucsf.edu/chimera/

RBVI

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UCSF CHIMERA

an Extensible Molecular Modeling System

UCSF Chimera is a program for the interactive visualization and analysis of molecular structures and related data, including density maps, trajectories, and sequence alignments. High-quality images and animations can be generated. Chimera includes complete documentation and is free of charge for academic, government, nonprofit, and personal use. Commercial users, please see [Chimera commercial licensing](#).

Chimera development was supported by the [National Institutes of Health](#) (P41-GM103311).

[UCSF ChimeraX](#) is the next-generation molecular visualization program from the [RBVI](#), following UCSF Chimera. We encourage Chimera users to try ChimeraX for much better performance with large structures, as well as other major [advantages](#). ChimeraX replaces a significant subset of Chimera features, includes several completely new features, and is under active development. Users may certainly choose to use both programs, and it is fine to have both installed.

Quick Links

- [Documentation](#)
- [Getting Started](#)
- [User's Guide](#)
- [Command Index](#)
- [Tutorials and Videos](#)
- [Guide to Volume Data](#)
- [Release Notes](#)
- [Download](#)**
- [What's New in Daily Builds](#)
- [Map of Download Locations](#)

Galleries

- [Image Gallery](#)
- [Animation Gallery](#)
- [Publications and Talks](#)
- [Related Databases and Software](#)
- [Citing Chimera](#)
- [Contact Us](#)

Recent Citations

Tubulin glycylation controls axonemal dynein activity, flagellar beat, and male fertility. Gadadhar S, Alvarez Viar G et al. *Science*. 2021 Jan 8;371(6525):eabd4914.

Bi-paratopic and multivalent VH domains block ACE2 binding and neutralize SARS-CoV-2. Bracken CJ, Lim SA et al. *Nat Chem Biol*. 2021 Jan;17(1):113-121.

SARS-CoV-2 neutralizing antibody structures inform therapeutic

Feature Highlight

Thermal Ellipsoids

Anisotropic B-factors can be shown as ellipsoids, with ellipsoid axes and radii representing the eigenvectors and eigenvalues of the atomic mean-square displacement matrix. Anisotropic B-factors are read from the input coordinate file (for example, from ANISOU records in a PDB file) and can be displayed with the tool [Thermal Ellipsoids](#) or the command [aniso](#). The figure shows ellipsoids scaled to enclose 50% probability for the heme and nearby atoms from PDB entry 1a6m.

[\(More features...\)](#)

Gallery Sample

Wasabi Receptor

The image shows the structure of the human TRPA1 ion channel (wasabi receptor) determined by electron cryo-microscopy

Chimera Search

Go

Google™ Search

News

December 18, 2020

Chimera production release 1.15 is now [available](#). See the [release notes](#) for what's new.

December 11, 2020

The RBVI wishes you a safe and happy holiday season! See our [2020 card](#) and the [gallery of previous cards](#) back to 1985.

November 4, 2020

A 1.15 production release candidate is [available](#), including a fix to work with the new PDB fetch locations (see the [release notes](#)). Please try it and report any problems.

[\(Previous news...\)](#)

Upcoming Events

2.プログラムのダウンロード

Download UCSF Chimera

https://www.cgl.ucsf.edu/chimera/download.html

UCSF CHIMERA

an Extensible Molecular Modeling System

Download Chimera

- [Daily Builds](#)
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- [Graphics Driver Bugs](#)
- [Benchmark Results](#)
- [Chimera Source Code](#)
- [Cygwin Source Code](#)

Current Production Releases

- See the [release notes](#) for a list of new features and other information.
- For [more recent changes](#), use the [snapshot](#) and [daily](#) builds; they are less tested but usually reliable.

- 64-bit Releases:**

Platform	Installer, Size, and Checksum	Date	Notes
Microsoft Windows 64-bit	chimera-1.15-win64.exe Size: 152326129 bytes MD5: 95a95db631b7e380a5c2f9432c1592ba	Dec 18, 2020	Instructions Documentation Runs on Windows 7 or later.
Mac OS X 64-bit	chimera-1.15-mac64.dmg Size: 191085873 bytes MD5: 2debb9ae125af17bd8905bfb1ae6063c	Dec 18, 2020	Instructions Documentation Runs on Mac OS X 10.12 or later.
Linux 64-bit	chimera-1.15-linux_x86_64.bin Size: 154069682 bytes MD5: 5c8f48ed5d474ed79df944b58c78eb39	Dec 18, 2020	Instructions Documentation Compiled on CentOS 5.11.

- 32-bit releases are no longer supported.**

Daily Builds

使用しているパソコンのOSの種類に従って、プログラムを選択し、ダウンロードします。

ここでは、64ビットのWindowsを使用している場合を想定して、
[Microsoft Windows 64-bit]
を選択します。

3. ライセンス契約の確認

https://www.cgl.ucsf.edu/chimera/cgi-bin/secure/chimera-get.py?file=win64/chimera-1.10.2-win64.exe

Download UCSF Chimera

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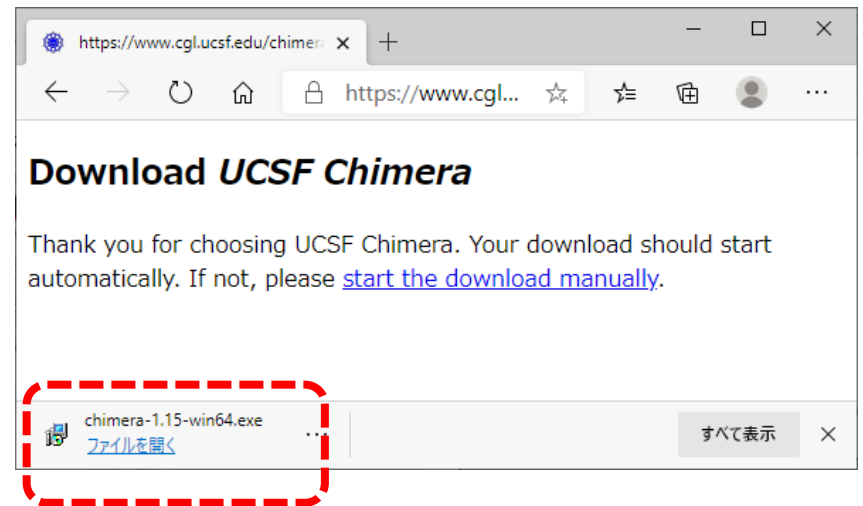
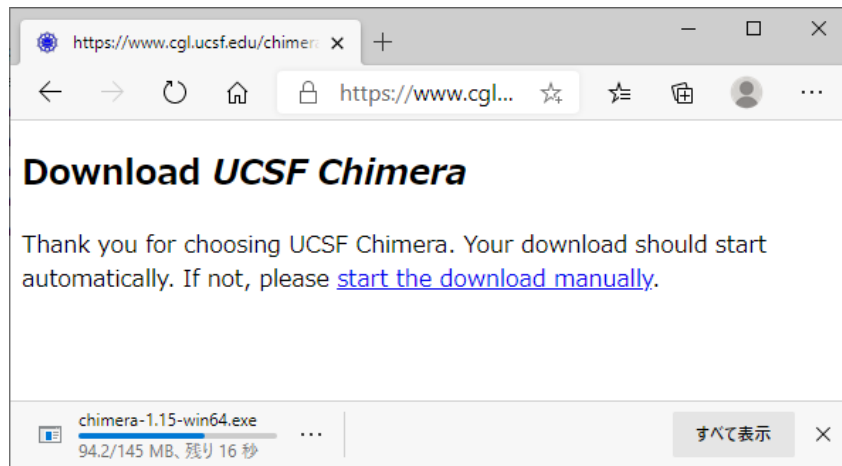
Revised 28Jan04

Do you accept all the terms of the preceding License Agreement? If you choose "Decline", the download will not continue. To download and install Chimera, you must accept this Agreement.

非商用目的に限定されることに注意してください。

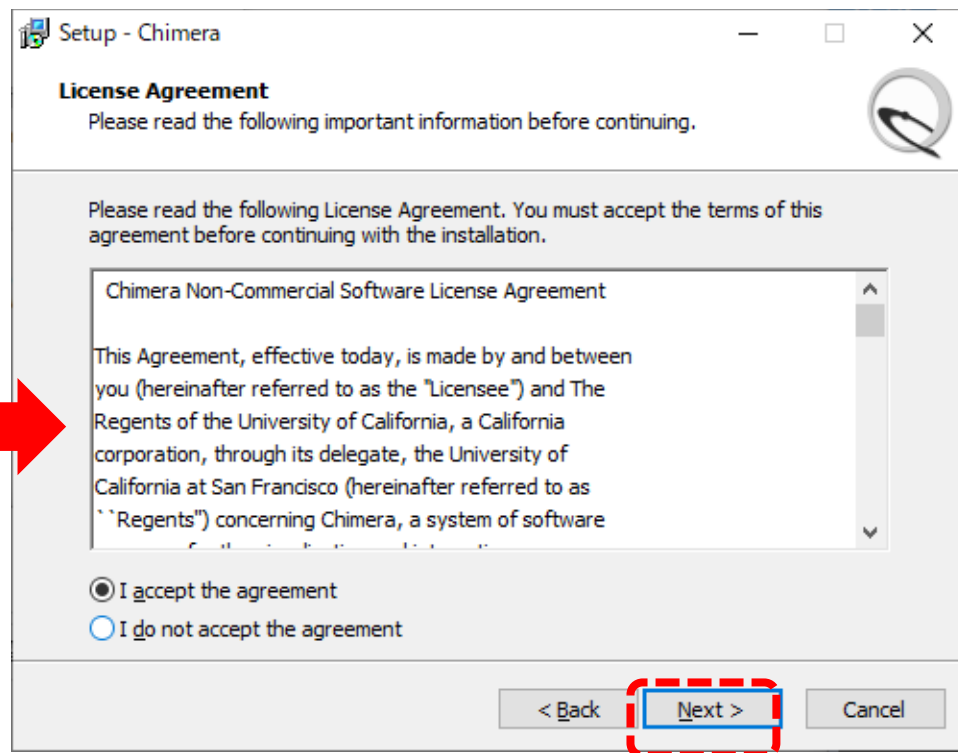
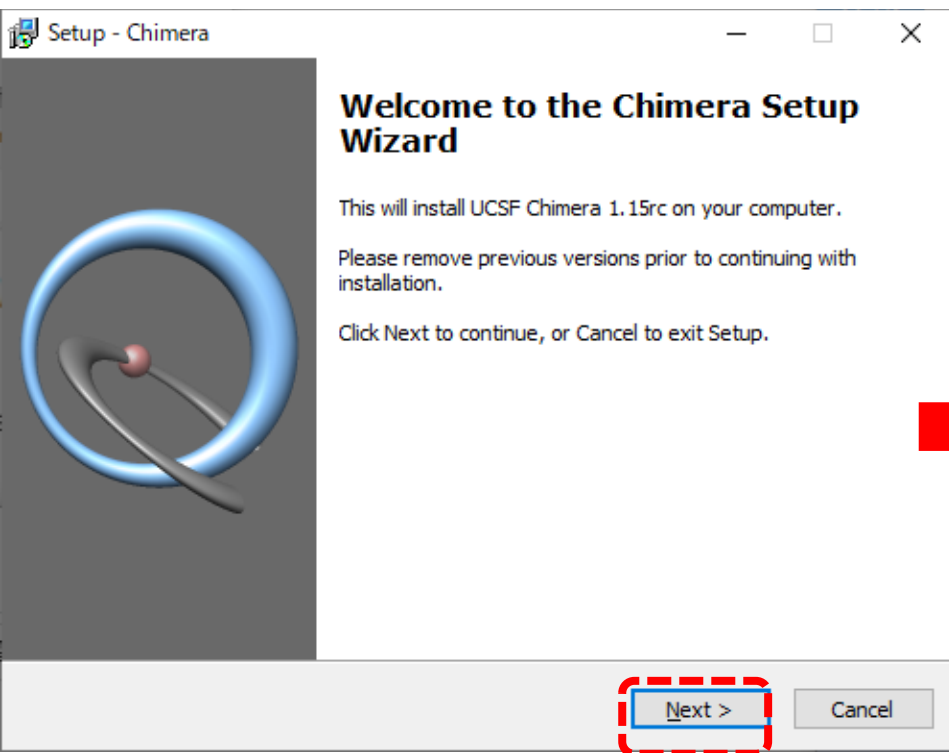
ライセンス契約の文書を読み、合意できるなら[Accept]をクリック。

4. インストールの開始(Edgeの場合)



[Start Download]をクリックすると、「実行または保存しますか？」というポップアップが表示されるので、[実行(R)]をクリックします。

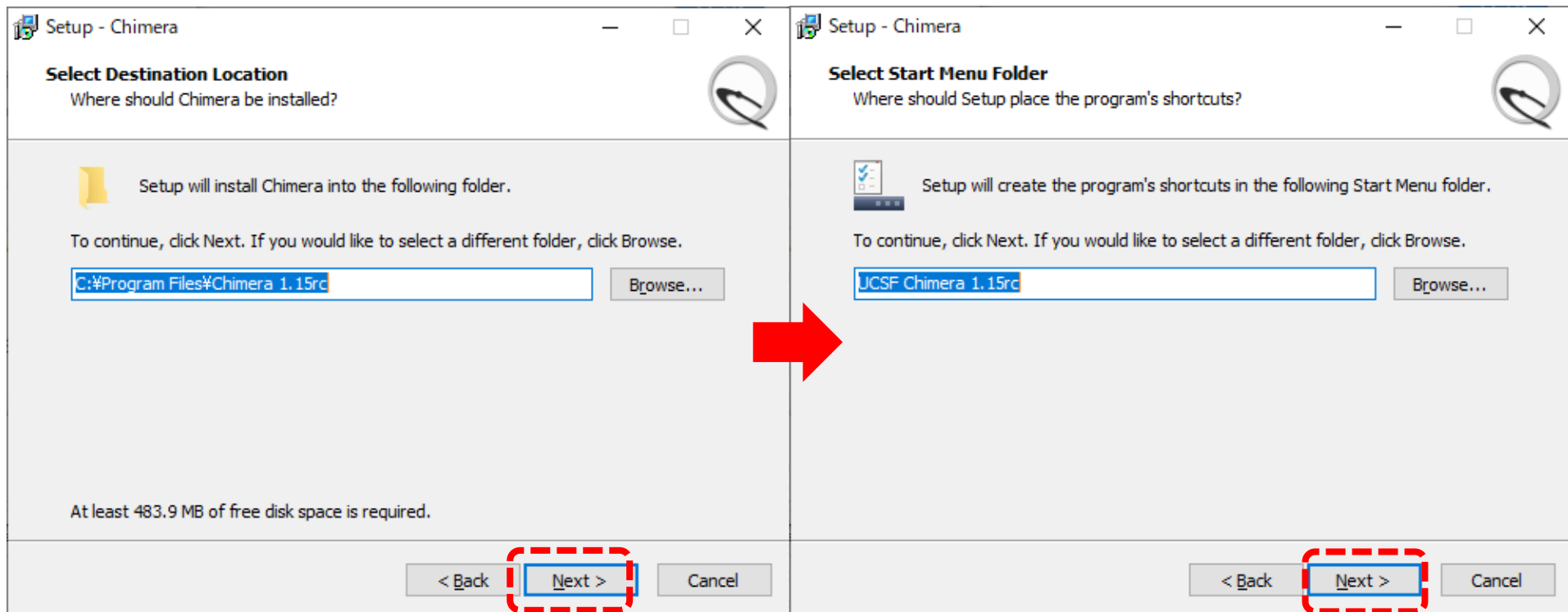
5. ウィザードに従ってインストール



インストーラのウィザードが起動されるので、
適当なボタンを選択していきます。

ライセンス契約を読み、同意できるなら
I accept the agreementをチェックし、
[Next>]をクリックします。

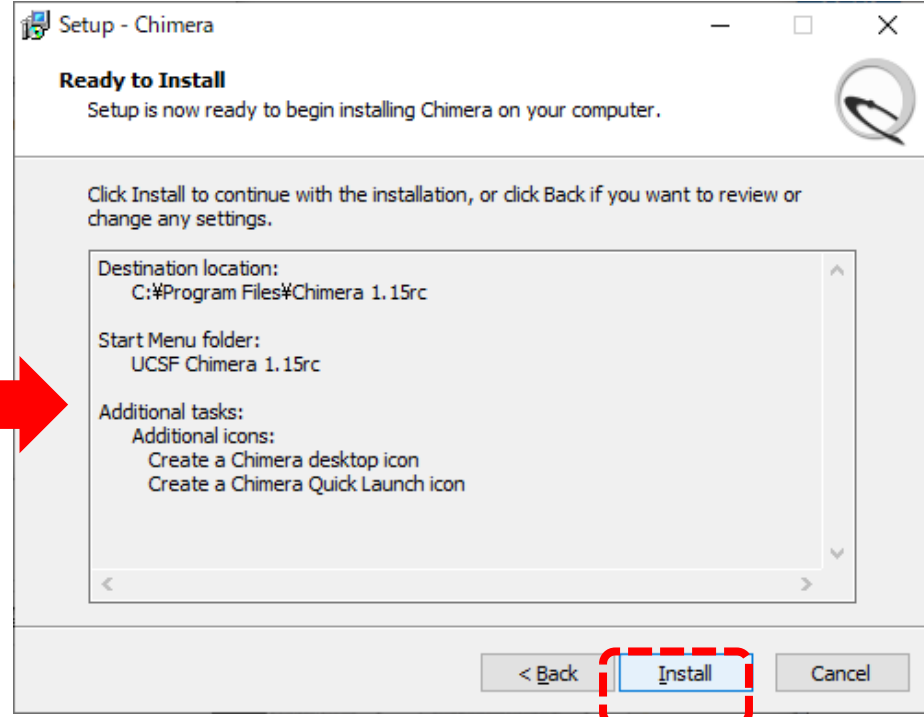
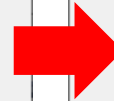
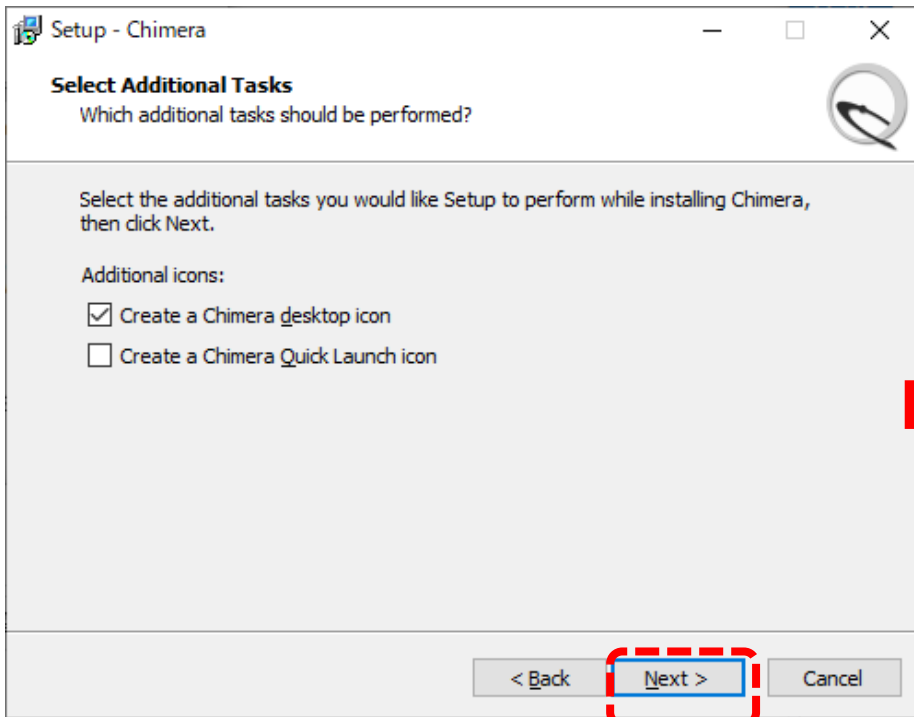
6. インストールするフォルダの指定



デフォルトでは、
C:\Program Files\Chimera 1.10.2
というフォルダーにインストールされます。
不具合があるようなら、書き替えてください。

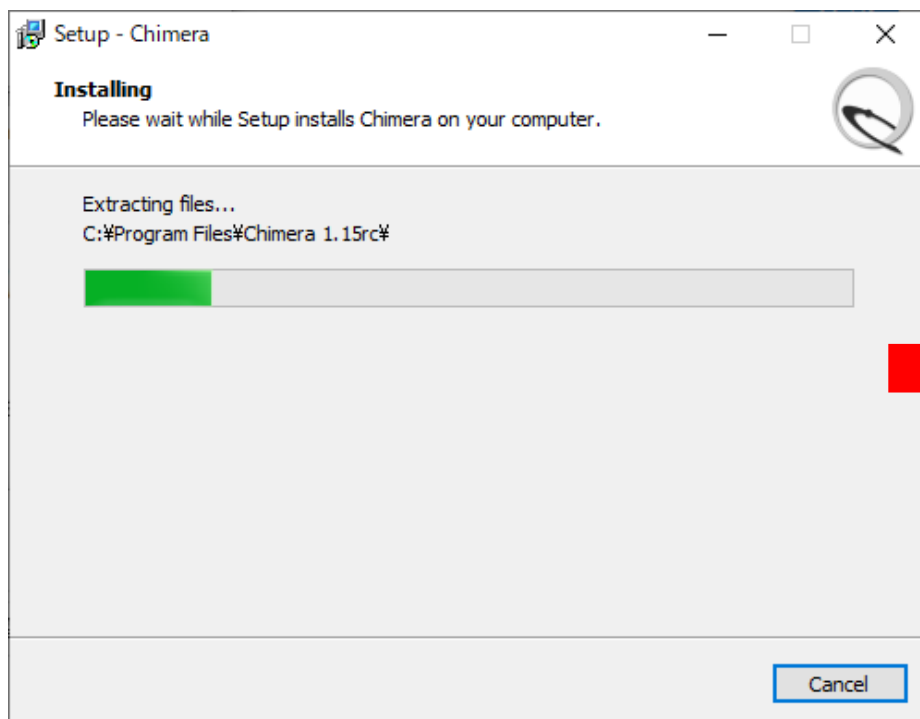
スタートメニューへ設定するショートカット名
を決めます。デフォルトはUCSF Chimera 1.10.2
です。

7. インストール処理の開始

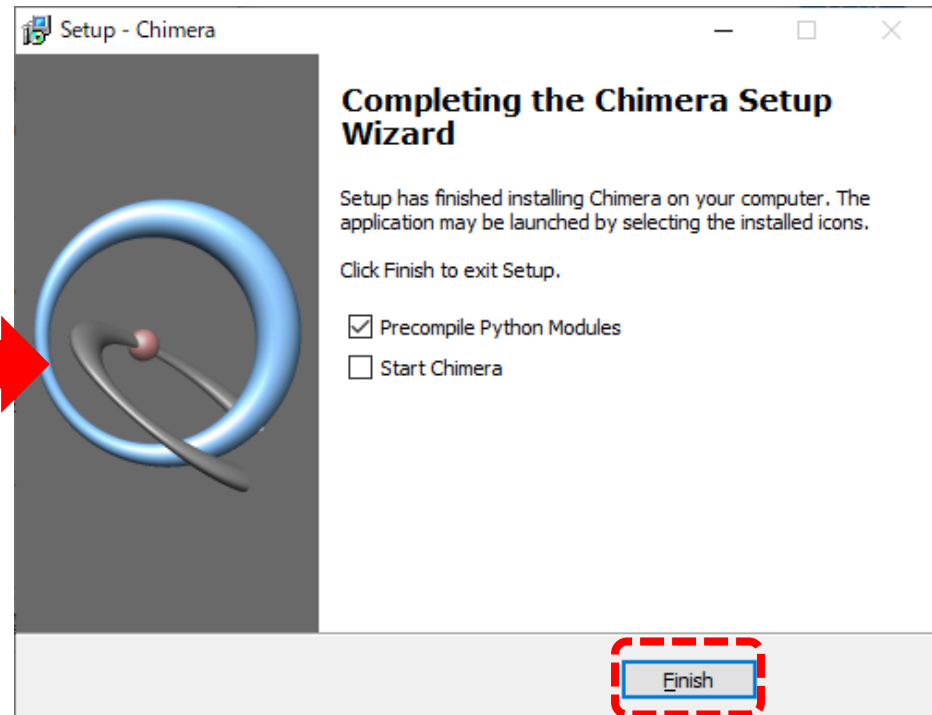


問題がなければ[Install]をクリックし、インストール処理を開始します。

8. インストール処理の最終ステップ

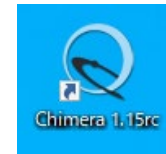


この処理には、しばらく時間がかかります。



Precompile Python Moduleをチェックして [Finish]をクリックします。

9. インストールの完了



←デスクトップ

```
C:\Program Files\Chimera 1.10.2\bin\python.exe
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_pass1.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_pass2.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_pass3.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_recursion.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_scanstring.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_separators.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_speedups.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_tool.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tests\test_unicode.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\json\tool.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\keyword.py ...
Listing C:\Program Files\Chimera 1.10.2\bin\lib\tk ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\tk\tkCanvas.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\tk\tkDialog.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\tk\tkFileDialog.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\tk\tkFixTk.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\tk\tkScrolledText.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\tk\tkSimpleDialog.py ...
Compiling C:\Program Files\Chimera 1.10.2\bin\lib\tk\tkTix.py ...
```



Pythonスクリプトのコンパイル作業を示す、コマンドプロンプトが表示されます。



スタートメニュー
(Windows 10)

これでインストールは完了です。
デスクトップやスタートメニューに
Chimeraのアイコンが表示されるはずです。